RECESSED LIGHTING

SMART LIGHTING | HOUSINGS | TRIMS | LED MODULES
HALO Home Collection
HALO Home is a flexible new approach to smart home lighting. Our system offers a range of Bluetooth fixtures, controls and accessories that work seamlessly together. From a single light to an entire home, your smart lighting search starts and ends here.

HALO Home app
Our user-friendly mobile app lets you control lighting from your fingertips, and from anywhere in the world (with the optional Smart Internet Access Bridge). Available for iOS and Android, it features dimming, adjustable white tuning, grouping, automatic scheduling and more.

Voice control compatible
Customize your home lighting with with anywhere in the world access and voice control. HALO Home is compatible with Amazon Alexa and Google Assistant products, when paired with the optional Smart Internet Access Bridge.

Flexible and scalable
HALO Home is a simple and flexible connected option, with the ability to install as little as one smart light or scale up to control the entire home through the easy-to-use HALO Home app.

Adjustable white tuning
Select the perfect color for your mood and beautifully complement your home. The HALO Home smart lighting fixtures provide the ability to adjust color temperatures from 2700K (warm white) to 5000K (daylight).
Halo Recessed Lighting
LED Products

ML56 Collection
Halo ML56 LED downlight collection is comprised of LED modules with 5" and 6" trims. ML56 LED modules are offered in three lumen packages across the 600, 900, and 1200 Series - a versatile collection of energy-efficient LED downlights for general lighting in commercial and residential applications. The ML56 LED 600, 900, 1200 Series modules are designed for either new construction or retrofitting existing 5" and 6" compatible housings (Edison screw base adapter included). Halo LED ML56 Collection features excellent color in 90 CRI (90 CRI is R9 > 50), and offers a wide selection of color temperatures (2700K, 3000K, 3500K and 4000K). Halo LED is ENERGY STAR® certified and can be used for California Title 24 and IECC High Efficacy compliance with designated LED modules and LED trims.

ML4 Collection
The ML4 system is comprised of a housing, LED module, and round or square 2-inch aperture pinhole trims. This compact assembly installs from below the ceiling in standard 4-inch line voltage housings suitable for 2x6 residential framing or shallow plenum commercial construction. For even tighter spacing an ultra-shallow install from below housing is available and is suitable for 2x4 framing. For ceiling types that make recessed lighting difficult, like concrete pour, round and surface cylinders support direct attachment to finished ceiling surfaces. Although diminutive in size the up to 1200 lumen series ML4 delivers powerful beams of light providing the optical control and color quality typically associated with low voltage tungsten-halogen MR16 lamps. Delivered center beam candlepower (CBCP) of ML4 LED exceeds 50W low voltage MR16 lamps with significantly higher candela per watt (Cd/W).
Halo Recessed Lighting
LED Products

**RL Collection**
Halo RL series is a complete 4" and 5"/6" LED baffle-trim module for recessed downlights. The RL series is designed for use in new construction, remodel and retrofit installation in Halo and other compatible 4", 5" and 6" recessed downlight housings. The integral LED driver offers 120 volt dimming capability. RL4 is offered in 600 lumen, and 600 and 900 lumens on the field selectable. RL56 is offered in 600, 900 and 1200 lumen series. RL is ENERGY STAR® certified and can be used for California Title 24 (Title 20 Certified for residential compliance), and IECC High Efficacy compliance with designated LED modules and LED trims. RL models in 90 CRI (90 CRI is R9 > 50), are offered in 2700K, 3000K, 3500K, 4000K and 5000K or field selectable color temperature models. Optional accessories include designer trims in white (paintable), satin nickel, and tuscan bronze.

**RA Collection**
Halo RA LED is a complete 4" and 5"/6" adjustable gimbal LED module; suitable for new construction, remodel and retrofit installation in Halo and other compatible 4", 5" and 6" recessed downlight housings. The RA adjustable gimbal offers 35-degree tilt and up to 360-degree rotation. The integral LED driver offers 120 volt dimming capability. RA4 and RA56 is ENERGY STAR® certified and can be used for California Title 24 (Title 20 Certified for residential compliance), and IECC High Efficacy compliance with designated LED modules and LED trims. The RA4 and RA56 adjustable gimbals are offered with 90 CRI (R9 > 50), in 2700K and 3000K or field selectable color temperature models; and with beam spread options in Very Wide Flood (VWFL) and Narrow Flood (NFL) models.
Halo Recessed Lighting
LED Products

**HL6 AllSlope Collection**
Featuring unique interchangeable beam-forming optics, full range dimming and multiple color temperatures and trim options, the Halo HL6 AllSlope LED 6" downlight system is specifically designed for slope ceiling applications with pitch aiming from 2/12 (10 degrees) to 12/12 (45 degrees). The innovative design allows the LED light engine full adjustment capability so it can be aimed straight down in accordance with the ceiling pitch, resulting in outstanding performance and appearance. The three piece system consists of a 6-inch aperture housing, available in 1200 lumen series or 1800 lumen series; LED light engines are offered with 90 CRI (R9 > 50), in 2700K, 3000K, 3500K, 4000K; and available with three interchangeable optics. The trim selection is from a full line of slope ceiling trims including reflectors, baffles and lens choices. AllSlope is ENERGY STAR® certified and can be used for California Title 24, and IECC High Efficacy compliance with designated products. The high-efficiency, energy-saving solution provides up to 73% in energy savings with virtually no maintenance.

**SLD Collection**
Halo Surface LED downlight (SLD) incorporates WaveStream™ technology to create an ultra-low profile 4" and 6" surface mounting luminaire with the performance and look of a traditional downlight. SLD is designed for installation in many square, octagon, or round junction boxes. Supply wire adapter with LED quick wiring connector included. Suitable for residential or commercial installations. Ideal for closets, storage areas, attics and basements. When used in 4", 5" and 6" recessed downlights, the included retrofit kit’s dedicated LED wiring connector meets high efficacy code requirements. The SLD is ENERGY STAR® certified and can be used for California Title 24, and IECC High Efficacy compliance with designated products. SLD is available in SLD4, SLD6-600 lumen series and SLD6-1200 lumen series. SLD models in 90 CRI (90CRI is R9 > 50), are offered in 2700K, 3000K, 3500K, 4000K. Optional accessories include designer trims in white (paintable), satin nickel, and tuscan bronze.
MicroEdge™ - HLB/HLA Collection
The MicroEdge series is made up of the HLB ultra-thin LED lens downlight and HLA adjustable. Both are powered by a remote driver / junction box ideal for new construction and renovation work. Simplified installation in drywall or suspended ceilings eliminates recessed cans saving time and money. Both the HLB and HLA can install from below the ceiling in as little as a 1-1/2” plenum height and can be used in direct contact with insulation and is airtight. Distribution patterns work well in low to medium ceiling heights, applications are virtually universal including living and dining areas, bedrooms, closets, hallways, bathrooms, kitchens, basements, soffits, entryways and porches.

HL3 Collection
Halo now offers a complete family of 3-inch LED recessed downlights ideal for your next demanding project. Choose from round or square apertures available in broad range of trim styles and optical distributions meeting demanding architectural factors including ceiling height, square footage and fixture spacing criteria. Trims are available in a range of finishes to match many décors. Magnets pulls trims tight to the ceiling eliminating gaps and light leaks. Trims maybe installed rimless with a true knife-edge interface creating a quiet ceiling appearance. Symmetrical trims can be used for both general area and accent lighting creating a consistent visual appearance.
E44 Collection

A family of 4-inch housings and trims optimized for use with LED lamps delivering longer life and energy savings. The ultra-shallow housings are available in new construction and remodel types suitable for 2x4 framing or shallow plenum installation. The compact plaster frame with repositionable junction box fits in tight spacing.

The line voltage housings with GU10 base are available in 10 or 20 watt ratings and can be used with LED or halogen lamp types. The low voltage housings with Gx5.3 base and integral 120/277V step down transformer is rated at 10 watts maximum, ideal for use with LED MR16 lamps.

Trims are also optimized for use with LED lamps and are available in round and square apertures in a range of finishes to match many decors. The E44 round and square pinhole trims match the appearance of the ML4 series allowing lamp and light engine based solutions to be combined while maintaining a consistent look.

SMD Collection

The Halo Surface Mount LED Downlight (SMD) is an ultra-low profile surface mounting luminaire with a modern look and high performance. SMD4 (4”) and SMD6 (6”) are designed for installation in recessed housings and many 3-1/2” and 4” square, octagon, or round junction boxes. Supply wire adapter with LED quick wiring connector included. Suitable for residential or commercial installations. Ideal for closets, storage areas, attics and basements. The SMD4 and SMD6 may also retrofit in a 4” or 5” and 6” aperture IC and Non-IC recessed housings. Dedicated LED wiring connector meets high efficacy code requirement when used in recessed downlighting. Suitable for use in clothes closets when installed with NEC® 410.16 spacing requirements. The SMD series offers modern and elegant stylings with exceptional value.

The SMD4 and SMD6 series also offers a direct mount (DM) version which can be installed directly into the ceiling with no additional junction box or housing required. Utilizing the integral Halo enclosure, this version of the SMD provides a quick installation and flush finish with the ceiling.
The SeleCCTable technology puts flexibility at your customers’ fingertips by allowing them to choose from a range of color temperatures 2700K-5000K and adjust with the switch located on the fixture allowing you to complete jobs faster and with fewer callbacks.

- **RL4/RL56**
  - LED Baffle Trim
  - 2700K - 5000K

- **RL4-DM / RL6-DM**
  - LED Direct Mount
  - 2700K - 5000K

- **RA4/RA56**
  - LED Gimbal Module
  - 2700K - 5000K

- **HLB4 / HLB6**
  - LED Direct Mount
  - 2700K - 5000K

- **HLBS4 / HLBS6**
  - LED Direct Mount
  - 2700K - 5000K

- **RSQ4 / RSQ5 / RSQ6**
  - LED Square
  - 2700K - 5000K

- **BLD4 / BLD6**
  - LED Surface Mount
  - 2700K - 5000K

- **CLD**
  - LED Surface Mount
  - 3000K, 4000K, 5000K
**Types of Housings**

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### Insulated Ceiling (IC)

Insulated Ceiling type (IC) rated luminaires are tested to UL 1598 standards for installation with blown-in or batting-type dry insulation materials. This allows the insulation layer to remain unbroken and prevent heating and air conditioning losses. These housings are also equipped with thermal protectors to guard against overlamp by cycling the lamp off and on until the problem is corrected.

The blown-in or batting-type dry insulation allows convective heat transfer away from the recessed light fixture, and allows direct access to the luminaire for inspection and servicing. Type IC luminaires are not for use in direct contact with spray-in foam insulation. Spray-in foams should be kept 3" from all sides of recessed luminaires. Alternate installation when spray-in foam is used, might include but not be limited to, wrapping the luminaire in fiberglass batting to maintain energy efficiency while preserving access to the luminaire. Refer to National Electrical Manufacturing Association document: NEMA LSD57-2013, "Polyurethane Foam Application: Lighting Equipment."

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### Air-Tite™ (AT)

- Air-Tite fixtures are designed to reduce airflow between heated or air conditioned spaces and unconditioned areas
- Standard recessed housings may allow up to 5.0 cubic ft. per minute of air leakage to escape into unconditioned spaces
- Air-Tite fixtures reduce this leakage by sealing air pathways
- Air-Tite fixtures may be IC for use in insulated ceilings or they may be Non-IC for non-insulated ceilings
- When an IC housing is Air-Tite that combination meets California Title 24 residential compliance
- Other state energy building codes now have restricted airflow requirements for recessed lighting fixtures
- Air-Tite fixtures are test certified to the American Society for testing and materials procedure ASTM E283 as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested at a 1.57 psf (75 Pa) pressure differential
- Additional benefits include: Savings in HVAC bills, preventing moisture damage to attic areas, reduced sound transmission between floors, and eliminating drafts for greater comfort

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### "T" Housing – Non-Insulated Ceiling (Non-IC)

Type (T) thermally protected housings (Non-IC) are designed for use in non-insulated ceilings. When installed in a ceiling with insulation, the insulation must be kept 3" from all sides of the unit and there must be a least 1/2" clearance from the top of the fixture to any ceiling material. The integral thermal protector or insulation detector on Halo recessed fixtures provides positive protection against misuse of ceiling insulation and overlamp by cycling the lamp on and off until the problem is corrected. Halo fixtures with ballasts or drivers are thermally protected in the unit. To meet specific municipal standards, many fixtures in this category carry an "IP" rating.
**Halo Recessed Lighting**

**Types of Housings**

### Small Aperture - 3" and 4"

Small aperture 3" and 4" housings are well suited for task and accent lighting especially over counters and in display areas. And 4" housings are increasingly used for general lighting with a trim providing for wide beam distribution, in conjunction with an appropriate lighting layout. Small aperture housings are available in Insulated Ceiling (IC), Non-Insulated Ceiling (T) / (Non-IC), and Air-Tite (AT) models.

### Remodel

Remodel housings simplify installation when fixtures need to be added to existing ceilings. They can be installed from below in existing ceilings by cutting a precise hole, bringing power to the fixture and installing the housing. The spring clips or speed clamps lock the fixture in place. The integral thermal protector provides positive protection against overlamping. Housings are available in Insulated Ceiling (IC), Non-Insulated Ceiling (Non-IC), Air-Tite (AT) and shallow models.

### Shallow Housing

Shallow housings are designed to solve installation problems where lower joist construction is used in the ceiling. These housings accept a wide variety of trims for different lighting effects. Shallow housings are available in Insulated Ceiling (IC), Non-Insulated Ceiling (T) / (Non-IC), and Air-Tite (AT) models.

### Slope Ceiling

Slope or “cathedral” type ceilings require special housings to keep the lamp aimed straight down rather than following the slope of the ceiling. A lamp aiming mechanism in these fixtures allows the lamp to be aimed vertically in sloped ceilings. Ceiling pitch is measured from 2/12 to 12/12 (the first number refers to the amount of “drop” per 12 inches of horizontal measurement). A built-in slope indicator provides quick and consistent lamp settings (factory set for 3/12 slope). Halo offers slope ceiling fixtures for incandescent lamps and for LED the HL6 AllSlope series. Slope ceiling housings are available in Insulated Ceiling (IC), Non-Insulated Ceiling (T) / (Non-IC), and Air-Tite (AT) models.
Halo Recessed Lighting
H3 (3"), H99/H1499 & H4 (4") Housing Installation Features
Halo Recessed Lighting
H3 (3"), H99/H1499 & H4 (4") Housing Installation Features

1 Patented Got Nail™ Hanger Bracket
- Pre-installed nail easily installs in regular lumber, engineered lumber and laminated beams
- Safety and guidance system prevents nail snagging, ensures smooth straight nail penetration and allows bar hangers to be easily removed if necessary
- Automatic levelling flange aligns the housing and lets you hold the housing in place with one hand while driving nails
- Five additional mounting points
- Mounting point on top for hanger wire connection
- Integral T-bar clips snaps onto T-bars - no additional clips required

2 Patented Pass-N-Thru™ Bars
- Pass-N-Thru™ allows the bars to pass through each other for tool-less shortening in tight spots less than 12" without removing from the plaster frame. Push bars together and flex at score lines until excess can be removed
- Housing positions at any point within 24" joist span
- Bar hangers may be repositioned 90° on the frame on select housings
- (1) Locking screw and multiple crimp points on plaster frame secure bars in place

3 Patented Slide-N-Side™ Junction Box
- (3) Slide-N-Side™ wire traps allow non-metallic (NM) sheathed cable to be installed without tools or without removing knockouts
- Allows wiring connections to be made outside the junction box
- Simply insert the cable directly into the trap after connections are made
- Accommodates the following standard non-metallic (NM) sheathed cable types for both U.S. and Canada:
  - (US) #14/2, #14/3, #12/2, #12/3
  - (Canada) #14/2, #14/3, #12/2
- (7) 1/2" conduit pry-outs positioned to accommodate straight conduit runs (4) 1/2" conduit pry-outs in Non-IC housing
- cULus Listed 24 in³ box volume, listed for through-branch (8) No. 12 AWG branch circuit 90°C conductors through the box

4 Quick Connect™ Push Wire Nuts
- (3) 4-Port push-in wire nuts included
- Speeds installation and increases reliability
- Simply strip and insert supply wires
- No additional wire nuts required

5 Air-Tite™ Code Compliant
- H3 & H4 Housings feature a pre-installed gasket in an Air-Tite housing that limits airflow between unconditioned areas and conditioned spaces
- Standard recessed housings may allow up to 5.0 cubic ft. per minute of air leakage into unconditioned spaces
- Air-Tite fixtures are test certified to the American Society for Testing and Materials procedure ASTM E283 as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested at 1.57 psf (75 Pa) pressure differential
- Meets building energy codes that require a gasket between the housing and ceiling
- Additional benefits include: Savings in HVAC bills, preventing moisture damage to attic areas, reduced sound transmission between floors, and eliminating drafts for greater comfort

6 Remodel Junction Boxes*
6A H99/H1499 Series
- (7) 1/2" conduit (flex) pry-outs
- (4) Non-metallic (NM) cable pryouts
- Allow metallic and non-metallic sheathed cable to be installed
- cULus Listed 12 in³ box volume, listed for (4) No. 12 AWG through branch circuit 90°C conductors

6B H3 Series
- (3) 1/2" conduit (flex) pry-outs
- cULus Listed 9.6 in³ box volume, listed for (4) No. 12 AWG through branch circuit 90°C conductors
- (3) Slide-N-Side™ wire traps allow non-metallic (NM) sheathed cable to be installed without tools or without removing knockouts.

6C H4 Series
- LED remodels - See bullet 3

7 Remodel Springs
- (4) Remodel spring clips secure housing to finished ceiling
- Allow installation in standard 1/2" and 5/8" ceiling material

8A Remodel Single-Arm Design
8A H99/H1499 Series
- Single arm design allows box to pass through the ceiling aperture

8B H3 Series
- “Boat-shaped” remodel plate passes through the ceiling aperture to sit flat on ceiling
- Inner can passes through remodel plate and is secured with tab locks

9 Remodel Flange
- Integral flange secures fixture against the ceiling

10 cULus Listed
- UL1598 Luminaires
- Designed and manufactured to Underwriters Laboratories Standard for Safety – UL1598
- Luminaires additionally comply with National Electric Code (NEC), NFPA70
Halo Recessed Lighting
Halo H5 (5") & H7 (6") Housing Installation Features

H5 & H7 Housings
- Robust, full-frame construction
- Integral thermal protector guards against over-lamping
- Plaster lip notched at 90° intervals for laser centering
- Halo assured – logo on frame

H5 & H7 Remodel Housings
- Install from below the finished ceiling aperture
- Robust construction
- Integral thermal protector guards against over-lamping
- Halo assured – logo on can top
Halo Recessed Lighting
H5 (5") & H7 (6") Housing Installation Features

1. Patented Got Nail!™ Hanger Bracket
- Pre-installed nail easily installs in regular lumber, engineered lumber and laminated beams
- Safety and guidance system prevents nail snagging, ensures smooth straight nail penetration and allows bar hangers to be easily removed if necessary
- Automatic levelling flange aligns the housing and lets you hold the housing in place with one hand while driving nails
- Five additional mounting points
- Mounting point on top for hanger wire connection
- Integral T-bar clips snaps onto T-bars - no additional clips required

2. Patented q-Channel Bars with Pass-N-Thru™
- q-Channel bars feature a unique inverted “q” interlocking channel for rigidity and stability
- Pass-N-Thru™ allows the bars to pass through each other for tool-less shortening in tight spots less than 12” without removing from the plaster frame
- Push bars together and flex at score hole break points
- Housing positions at any point within 22” joint span
- Bar hangers may be repositioned 90° on the frame on select housings

3. Patented Slide-N-Side™ Junction Box
- Full-size junction box
- (3) Slide-N-Side™ wire traps allow non-metallic (NM) sheathed cable to be installed without tools or without removing knockouts
  - Allows wiring connections to be made outside the junction box
  - Simply insert the cable directly into the trap after connections are made
  - Accommodates the following standard non-metallic (NM) sheathed cable types for both U.S. and Canada:
    - (US) #14/2, #14/3, #12/2, #12/3
    - (Canada) #14/2, #14/3, #12/2
- (7) 1/2” conduit pry-outs accommodate straight conduit runs
- cULus Listed 26 in³ box volume, listed for (8) No. 12 AWG through branch circuit 90° C conductors

4. Quick Connect™ Push Wire Nuts
- (3) 4-Port push-in wire nuts included
- Speeds installation and increases reliability
- Simply strip and insert supply wires
- No additional wire nuts required

5. Universal Locking Screw
- (1) Locking screws accessible from below the ceiling
- Universal screw head (hex, slot or Phillips)
- (6) Additional bar crimping points

6. Air-Tite™ Code Compliant
- H5 & H7 housings feature a pre-installed gasket in an Air-Tite housing that limits airflow between unconditioned areas and conditioned spaces
- Standard recessed housings may allow up to 5.0 cubic ft. per minute of air leakage into unconditioned spaces
- Air-Tite fixtures are test certified to the American Society for Testing and Materials procedure ASTM E283 as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested at a 1.57 psf (75 Pa) pressure differential
- Meets codes that require a gasket between a recessed housing and ceiling. Additional benefits include: Savings in HVAC bills, preventing moisture damage to attic areas, reduced sound transmission between floors, and eliminating drafts for greater comfort.
- Gasket GA-ATH5-6PK and GA-ATH7-6PK are available for covering gaps on the finished ceiling aperture (See specialty products and accessories section)

7. Remodel Junction Box - Full Access
- Full-size remodel junction box
- (7) 1/2” conduit (flex) pry-outs
- (4) Non-Metallic (NM) cable pryouts
- Allow metallic and non-metallic sheathed cable to be installed
- cULus Listed 17 in³ box volume, listed for (4) No. 12 AWG through branch circuit 90° C conductors

8. Remodel Springs
- (4) Remodel spring clips secure housing to finished ceiling
- Allow installation in standard 1/2” and 5/8” ceiling material

9. Remodel Single-Arm Design
- Single arm design allows box to pass through the ceiling aperture
- Flexible arm can bend or flex side-to-side around obstructions

10. Remodel Flange
- Integral flange secures fixture against the ceiling

11. cULus Listed
- UL 1598 Luminaires
- Designed and manufactured to Underwriters Laboratories Standard for Safety – UL 1598
- Luminaires additionally comply with National Electric Code (NEC), NFPA70
Halo Recessed Lighting
E5 (5”) & E7 (6”) Housing Installation Features

E5 & E7 Housings

- Compact and economical construction
- Integral thermal protector guards against over-lamping
- Plaster lip notched at 90º intervals for laser centering
- Halo assured – logo on junction box can top and q-Channel bars

E5 & E7 Remodel Housings

- Install from below the finished ceiling aperture
- Compact junction box designed for ease of installation
- (2) Speed clamps securely lock housing to ceiling
- Integral thermal protector guards against over-lamping
- Halo assured – logo on junction box and can top
Halo Recessed Lighting
E5 (5") & E7 (6") Housing Installation Features

1. Patented All-Nail™ Hanger Bracket
   - Pre-installed nail easily installs in regular lumber, engineered lumber and laminated beams
   - Mini foot leveling flange aligns the housing to the bottom of the joist
   - Integral T-bar clip snaps on to T-bars - no additional clips are required
   - Additional screw points provided for securing to grid where required by code

2. Patented q-Channel Bars with Pass-N-Thru™
   - q-Channel bars feature an unique inverted “q” interlocking channel for rigidity and stability
   - Housing positions at any point within 24” joist span
   - Pass-N-Thru™ allows the bars to pass through each other for tool-less shortening in tight spots less than 12” without removing from the plaster frame. Push bars together and flex at score hole break points
   - Bar hangers need not be removed from frame for shortening

3. Patented Repositionable J-Box with Slide-N-Side™
   - Hinged and captive door for easy access
   - Repositionable J-box can be moved to alternate side of frame to avoid obstructions
   - (4) Slide-N-Side™ wire traps allow non-metallic (NM) sheathed cable to be installed without tools or removing knockouts
   - Allows wiring connections to be made outside the junction box
   - Simply insert the cable directly into the trap after connections are made
   - Accommodates the following standard non-metallic (NM) sheathed cable types for both U.S. and Canada:
     (US) #14/2, #14/3, #12/2, #12/3
     (Canada) #14/2, #14/3, #12/2
   - (4) 1/2” conduit pry-outs
   - cULus Listed Compact 16 in³ box volume, listed for maximum (10) No. 12 AWG or (14) No. 14 AWG 90° C splice conductors in box

4A. Quick Connect™ Push Wire Nuts
   - (3) 4-Port push-in wire nuts included
   - Speeds installation and increases reliability
   - Simply strip and insert supply wires
   - No additional wire nuts required

4B. Patent Pending Quick Connect™ Remodel Wiring Tray
   - (3) 4-Port push-in wire nuts included
   - Captive tray holds color-coded push-nuts in place allowing for one-handed connections to line, neutral & ground
   - Speeds installation and increases reliability
   - Simply strip and insert supply wires
   - No additional wire nuts required

5. Universal Locking Screw
   - (2) Locking screws accessible from below the ceiling
   - Universal screw head (hex, slot or Phillips)

6. Patent Pending Air-Tite™ Construction
   - E5 & E7 feature a gasket seal between the housing aperture, frame, & ceiling in a special design that limits airflow between unconditioned areas and conditioned spaces for a true Air-tite installation without additional gaskets or caulk
   - Standard recessed housings may allow up to 5.0 cubic ft. per minute of air leakage into unconditioned spaces
   - Air-Tite fixtures are test certified to the American Society for Testing and Materials procedure ASTM E283 as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested at a 1.57 psf (75 Pa) pressure differential
   - Meets codes that require a gasket between a recessed housing and ceiling
   - Additional benefits include: Savings in HVAC bills, preventing moisture damage to attic areas, reduced sound transmission between floors, and eliminating drafts for greater comfort

7. Patent Pending Remodel J-Box with Slide-N-Side™
   - Compact design for ease in remodel installation
   - Hinged and captive door for easy access
   - (2) Slide-N-Side™ wire traps allow non-metallic (NM) sheathed cable to be installed without tools or removing knockouts
   - Allows wiring connections to be made outside the junction box
   - Simply slide the cable into the trap after connections are made
   - Accommodates the following standard non-metallic (NM) sheathed cable types for both U.S. and Canada:
     (US) #14/2, #14/3, #12/2, #12/3
     (Canada) #14/2, #14/3, #12/2
   - (3) 1/2” conduit pry-outs
   - cULus Listed Compact 10 in³ box volume, listed for maximum (6) No. 12 AWG or (8) No. 14 AWG 90° C splice conductors in box

8. Patented Remodel Speed Clamps
   - (2) Exclusive integral speed clamps securely lock housing to ceiling
   - Locking tabs securely lock to ceiling and can be easily repositioned
   - Tabs engage and tighten with internal drive screws – a low torque power screwdriver speeds installation
   - Two-tier tabs adjust for 3/8” to 2” for various ceiling materials

9. Remodel Attached - Box Design
   - Attached box gets into tight spaces
   - Allows ease of installation passing through the ceiling aperture

10. Remodel Flange
    - Die formed flange maintains precise concentricity
    - Integral flange secures fixture against the ceiling

11. cULus Listed
    - UL1598 Luminaires
    - Designed and manufactured to Underwriters Laboratories Standard for Safety – UL 1598
    - Luminaires additionally comply with National Electric Code (NEC), NFPA70

Specifications, compliances and dimensions subject to change without notice
Halo Recessed Lighting

Types of Trims

Halo’s 3”, 4”, 5”, 6” apertures offer full vocabulary of trim styles, finishes and design features. Smaller 3” and 4” trims are used for task and accent lighting, and many 4” trims with a wide beam are used for general downlighting. Larger 5” and 6” trims are used for general downlighting as many offer a wide beam for even illumination. Halo trims may be used with a wide variety of light sources including Incandescent, Halogen, CFL, and LED.

Full Reflectors
Reflector trims create wide light patterns and maximize the efficiency of the light source. Haze reflectors reduce glare yet maximize light distribution, satin nickel and gold finished reflectors add warmth and tuscan bronze and black reflectors minimize glare.

Reflector Cones
Reflector cones are generally shorter and are designed for use with reflector style lamps (R, BR, MR, GU10, and PAR). They direct the full output of these lamps to the illumination task.

Baffles
Baffle trims trap and shape light to minimize aperture glare and reduce ceiling brightness; varied depending on baffle finish. Baffles narrow the focus of the downlighting beam and many are used with reflector lamps (R, BR, MR, GU10, and PAR lamps).

Eyeballs/Gimbals/Adjustables
These trims provide precise, variable directional lighting. They are especially useful for directing light to accent wall hangings, mantels and task areas. Directional reflector style lamps are typically used (R, BR, MR, GU10 and PAR).

Wall Washers
Wall Wash trims provide same vertical surface illumination. Special reflectors allow both wall washing and downlighting. Depending on the light source and fixture positioning along a wall, these trims will provide same illumination higher up on the wall.

Lens and Diffusers
Lenses and diffusers are designed to typically soften and direct the light, and depending upon the lens the light may be directed more to horizontal surfaces or to higher angles on vertical surfaces. Designated trims can be used as shower lights and have cULus wet location listing.

Open Trims
Open trims create an attractive finished look of the lamp face without compromising the natural efficiency of reflector style lamps (R, BR and PAR).
Halo Recessed Lighting
Sizes & Finishes of Trims

Halo gives you the tools to create the exact interior environment you envision. Choose from Halo trims that range in size of 3", 4", 5" and 6". Selections round out the choices available for residential and light commercial applications.

**Reflector Finishes**
Reflectors are offered in several finishes for high efficiency, to soften illumination, or to make a defined decorating statement.

- White
- Specular Clear
- Haze
- Gold
- Specular Black
- Satin Nickel
- Tuscan Bronze

**Baffles**
Available in either black for the most effective shielding or white for an inconspicuous daytime appearance.

- White Baffle, White Trim
- Black Baffle, White Trim
- Black Baffle, Black Trim

**Trim Ring Finishes**
Trim rings are offered in a wide choice of painted or metallic finishes to either blend in with an existing decor or to make a well defined decorating statement.

- White
- Black
- Satin Nickel
- Tuscan Bronze
- Polished Chrome (H3)
- Polished Nickel
- Aluminum Haze

**Trim Styles**
Typically trims have round apertures and Halo offers a wide selection of round trims; Halo offers a number of square trims that reinforce rectilinear decor lines and make a distinctive designer statement.
A full line of trim styles, finishes and design features are expanding in the Halo trim collection. With these trim and feature expansions, Halo is bringing ways to help ease installation process. While keeping products classy and the ability to personalize your lighting fixtures to best suit the space. These trims are specifically modeled to work with the E26 screw base housings and are compatible with EISA halogen, incandescent, CFL & LED equivalent lamps.

**1 Patent Pending Perftex™ 5" & 6" Baffle**
- NEW Halo exclusive perforated design pattern
- A fine perforated pattern design of overlapping density, self-flanged
- 5110 & 6110 series trims

**2 Coilex® 3", 4", 5" & 6" Baffle**
- Fine thread pattern with crisp edges
- Precise triple lead-in thread design
- Timeless Halo signature for over 50 years

**3 Self-flanged Trim Rings**
- For simplicity and ease of installation

**4 Torsion Spring Design**
- Torsion springs are easy to install and hold flange tight to ceiling

**5 Coil Spring Design**
- Coil springs are easy to install with flexible coils that allow adjustment in holding flange tight to ceiling

**6 5" & 6" Chamfered Inner Transition**
- New 5" (5100/5200) and 6" (6100/6200) series
- The new chamfered trims are designed to reduce the visual impact on the ceiling
- Tapered profile to limit shadows

**Air-Tite™ Code Compliant Trims**
- Air-Tite trims are test certified to the American Society for Testing and Materials procedure ASTM E283 as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested at a 1.57 psi (75 Pa)
- Form fitting socket collar for tight seal with self-flange trim ring sealing aperture
- Benefits include: Savings in HVAC bills, preventing moisture damage to attic areas, reduced sound transmission between floors, and eliminating drafts for greater comfort
- New 6" Air-Tite trims include: 6120, 6121, 6125, 6126, 6145, 6146
- Classic 6" Air-Tite trims include: 30, 78PAT, 170PS, 171PS, 172PS, 173PS, 430
**3” & 4” Trim Features**
- Small aperture trims have less ceiling presence, and celebrate simple and clean lines around circumference
- Smaller aperture trims may be used to visually differentiate the room interior design
- Trims are also a functional element in lighting design as used for accent, task and general downlighting
- Designed for similar appearance regardless of lamp source whether line voltage PAR20 or low voltage MR16

---

**5” Trim Features**
- Halo 5” trims are now available for use in socket bracket or no socket bracket housing models
- New 5100/5200 series half cone reflector and baffle trims are designed for 5” H5 and E5 housings that include a socket plate with adjustment bracket
- New innovative designs in adjustable and lens trims; and new open wet location Showerlight trims for use with outdoor rated lamps
- Note: 5” 5000 series trims are all full-height socket supporting for use in H5 and E5 “NB” no socket bracket housings only

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**6” Trim Features**
- Halo 6” trims are designed to offer the greatest flexibility in lamp types and trim styles
- The 6” trim balances proportion of larger scale with narrower trim ring visibility with various tapered styles
- New 6100/6200 series trims focus on simplicity of self-flanged rings, these forgiving size trims expand coverage of ceiling gaps and construction tolerances
- New designs in lens trims and new open wet location showerlight trims for use with outdoor rated lamps are offered
- 6” trims are offered in full-height socket supporting designs and in half cone designs for customer choice of housings with “NB” no socket bracket or a socket plate with adjustment bracket

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**NEW 5” (5100/5200) & 6” (6100/6200) – E26 Screw Base Styles & Finishes**

**Full Cone Baffle**
- WB: White Baffle
- BB: Black Baffle
- BKBB: Black Baffle Black Trim

**Full Cone Reflector**
- WH: White Reflector
- SN: Satin Nickel Reflector
- TBZ: Tuscan Bronze Reflector

**Half Cone Baffle**
- WB: White Baffle
- BB: Black Baffle
- BKBB: Black Baffle Black Trim

**Squircle – Frost Glass Lens**
- AH: Aluminum Haze
- PN: Polished Nickel
- SN: Satin Nickel

**Open Showerlight**
- WH: White
- SN: Satin Nickel
- TBZ: Tuscan Bronze

**Lens/Showerlight – Frost Glass Lens**
- WH: White
- SN: Satin Nickel
- TBZ: Tuscan Bronze

**Adjustable**
- WH: White
- SN: Satin Nickel
- TBZ: Tuscan Bronze

**Regressed Adjustable**
- WB: White Baffle
- BB: Black Baffle
- SC: Specular Clear
- H: Haze Reflector

Specifications, compliances and dimensions subject to change without notice
Rising energy demand and corresponding costs are a fact of life and lighting fixtures play a two fold role in the energy equation – besides the light sources and fixtures themselves, their effect on heating and air conditioning costs must also be considered.

IC Fixtures
If lighting fixtures are being installed in an insulated attic area, choose IC (Insulated Ceiling) and for additional benefits choose ICAT (Insulated Ceiling Air-Tite) fixtures. These fixtures allow you to maintain an unbroken layer of insulation. IC rated luminaires are tested to UL1598 standards where insulation materials such as blown-in or batting type dry insulation may be placed in direct contact with the luminaire. Blown-in or batting type insulation allows convective heat transfer away from the recessed light fixture, and allows direct access to the luminaire for inspection and servicing, as required by National Electric Code. In accordance with NEMA LS057-2013 industry guidelines, the use of spray-in foam insulation in direct contact with recessed luminaires is not recommended. As such, NEMA recommends that spray-in foams be kept 3’ from recessed luminaires. Alternate installation might include, but not be limited to, wrapping the luminaire in fiberglass batting to maintain energy efficiency while preserving access to the luminaire.

Air-Tite™ Fixtures
Air-Tite fixtures are qualified under test standard ASTM E-283, to restrict air flow between unconditioned areas and heated or air conditioned spaces. Standard recessed housings allow up to 5.0 cubic ft. per minute of air leakage to escape into unconditioned spaces. Air-Tite fixtures reduce this leakage by sealing air pathways. Air-Tite fixtures may be IC for use in insulated ceilings (such as H7ICAT) or they may be Non-IC for non-insulated ceilings (such as H86TAT). Air-Tite fixtures qualified to ASTM E-283 have 2.0 cfm (0.944 L/S) or less air flow rate at 1.57 PSF (75 Pa) pressure differential. Additional benefits include: Savings in HVAC bills, preventing moisture damage to ceilings, reduced sound transmission between floors, and eliminating drafts for greater comfort.

Air-Tite™ Trims
An Air-Tite designated trim makes a housing Air-Tite. Simply add the Air-Tite trim to a Halo housing to meet code, and enjoy the additional benefits of an Air-Tite fixture.

Wet Location Listed Showers
Halo offers wet location listed trims which are designed for use over tubs, in showers, and protected outdoor ceiling areas such as porches and soffits. Where noted, models have trim rings and lenses manufactured of non-conductive and non-corrosive polymer and glass materials that are “dead-front”. Trims suitable for use in showers carry a wet location cULus listing and are identified with one of the following icons.

Eaton’s lighting business is a participating member and significant contributor in industry associations to assure that our lighting and control systems adhere to the highest performance and efficiency standards.

The US Environmental Protection Agency’s ENERGY STAR® program is designed to identify and promote energy efficient products and buildings. Eaton’s lighting business is proud to be an industry leader of certified products including many of our Halo recessed downlights. www.energystar.gov

The American Lighting Association is a lighting industry trade association. Members include lighting and ceiling fan manufacturers, retail showrooms, sales representatives and professional residential lighting designers. www.americanlightingassoc.com/

The LIRC works to enhance communication between professional lighting designers and lighting manufacturers to improve products, services, business practices, and lighting design education. http://www.iald.org

The mission of the National Association of Homebuilders is to enhance the housing and the building industry. Eaton’s lighting business is a proud participating member of the NAHB. www.nahb.org

International Energy Conservation Code (IECC) establishes energy-related heating, cooling, water heating, electrical and lighting system standards for residential, multi-family, and commercial buildings. www.iccsafe.org

The LIRC develops guidelines for the industry and works with the C40 Large Cities Climate Leadership Group to take a leadership role to help cities achieve their climate goals.

Eaton’s Halo luminaires are manufactured and designed in accordance with the specifications outlined in Underwriters Laboratories Standard for Safety – Luminaires 1598. These luminaires additionally comply with the applicable requirements found within the National Electrical Code (NEC), NFPA 70.

Products bearing the cULus Listed marks indicate that the luminaires have been evaluated by Underwriters Laboratories, and are found to be compliant with the product specific requirements for the United States and Canada. www.ul.com/

Eaton’s lighting business was the first major lighting manufacturer to partner with the Clinton Climate Initiative (CCI), and work with the C40 Large Cities Climate Leadership Group (C40) to reduce greenhouse gas emissions and serve as models for other cities. http://c40cities.org www.clintonfoundation.org/clf-pgm-ccihome.htm

As a U.S. Green Building Council member, Eaton’s lighting business supports their mission to promote buildings that are environmentally responsible, profitable and healthy places to live and work. www.usgbc.org

Eaton’s lighting business supports state codes enforcing more stringent and environmentally protective standards such as California Energy Commission’s Title 24 or Title 20 Energy Efficiency standards, www.energy.ca.gov/title24 and www.energy.ca.gov/appliance

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Eaton’s lighting business is a proud participating member of the IESNA, Illuminating Engineering Society of North America. www.iesna.org

ASHRAE/IESNA 90.1 standard is generally regarded as the definitive source of guidelines for achieving energy efficiency requiring certain watts per square foot (w/ft²) depending on the application. www.ashrae.org

As a U.S. Green Building Council member, Eaton’s lighting business supports their mission to promote buildings that are environmentally responsible, profitable and healthy places to live and work. www.usgbc.org
Luminous Flux (Lumens)

Luminous flux (lumens) is the measure of the total light producing power of the light source. It is the amount of light leaving the source without regards to direction. A halogen 72W A19 clear lamp has 1520 nominal lamp lumens. The luminous flux is provided by the lamp manufacturers in a listing of common lamp and lumen values.

Units: Lumens (lm)

Luminous Intensity (Candela)

The luminous intensity (candelas) is the strength of the light produced in a specific direction. The luminous intensity of an optical system is compiled graphically into diagrams known as candela or candlepower distribution curves. Both polar and cartesian graphs are used within the lighting industry for this purpose. This information is also available in numeric tabular form.

Units: Candela (cd)

Illuminance (Footcandles)

Illuminance is the measure of the quantity of luminous flux that arrives on a surface. Illuminance is affected by the luminous intensity from the fixture in the direction of the lighted surface, the distance from the luminaire to the surface, and the angle of incidence of the arriving light. Although illuminance cannot be detected by the eye, it is the most often used criteria in specifying lighting designs.

Units: Footcandles (fc)

Luminance (Candels/Meter²)

Luminance is the measure of light leaving a surface in a given direction. It is what the eye perceives. Typically, luminance reveals more about the quality and comfort of a lighting system than just illuminance alone.

Units: Candelas per Square Meter (cd/m²)

Correlated Color Temperature (CCT)

The color temperature (chromaticity) of a light source describes the actual color appearance of the light produced with regard to its warmth or coolness. Measured on the temperature scale of Kelvin, it is defined with the use of a reference light source termed a blackbody radiator. This reference is completely black when cold, and as it is heated begins to glow, taking on a reddish orange appearance. Heated further, its color appearance shifts towards yellow, then white and eventually bluish white at the high end of the scale. An orange red color light has a lower color temperature than a blue white light. Psychologically, the lower Kelvin temperatures are perceived as “warm”, the higher as “cool”, the opposite of what might be expected.

With solid state LED and discharge sources such as compact fluorescent and HID light is produced by methods other than heating a filament and the color is measured by its correlated color temperature (CCT). It is the measure of the color of the light, not the actual operating temperature of the lamp.

Color Temperature & Effects of Lighting

<table>
<thead>
<tr>
<th>Color Temp Range</th>
<th>Warm 2700K</th>
<th>White 3000K</th>
<th>Neutral 3500K</th>
<th>Cool 4100K</th>
<th>Daylight 5000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effects</td>
<td>Warm, Cozy</td>
<td>Friendly, Personal</td>
<td>Friendly, Safe</td>
<td>Neutral, Efficient</td>
<td>Bright, Alert, Crisp</td>
</tr>
<tr>
<td>Typical Applications</td>
<td>Homes, Restaurants, Hotels, Boutiques</td>
<td>Homes, Libraries, Office Areas, Retail Stores, Office Areas</td>
<td>Public Areas, Showcases, Restaurants, Bookstores, Hospitals</td>
<td>Office Areas, Conference Rooms, Classrooms, Printing Companies</td>
<td>Museum Displays, Jewelry Displays, Medical Exam Areas</td>
</tr>
</tbody>
</table>

Color Rendering Index (CRI)

The color rendering index (CRI) of a light source describes the influence of light on the color appearance of objects being illuminated. CRI describes the apparent color shift undergone by a standard set of test colors illuminated by a source as compared to their appearance under the blackbody reference source. The apparent shift in colors is measured and averaged on the CRI chromaticity diagram, and the higher the number, the closer the apparent match. Since CRI is an average it is not possible to predict the effect on one particular color, and consequently, different lamps with the same CRI may not render colors alike. CRI is only a valid comparison when comparing lamps of the same color temperature since the appearance of the test colors vary as the reference blackbody radiator varies.

Units: CRI (on a scale up to 100)
Illuminating Engineering Society (IES)
Evaluating Light Source Color Rendition

IES Method for Color Rendition

<table>
<thead>
<tr>
<th>Color Fidelity</th>
<th>The accurate rendition of color so that they appear as they would under familiar (reference) illuminates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fidelity Index (Rf)</td>
<td>scale up to 100 (0-100)</td>
</tr>
<tr>
<td>Color Gamut</td>
<td>The average level of saturation relative to familiar (reference) illuminates</td>
</tr>
<tr>
<td>Gamut Index (Rg)</td>
<td>60-140 when Rf &gt; 50</td>
</tr>
<tr>
<td>Graphics</td>
<td>Visual description of hue and saturation changes.</td>
</tr>
<tr>
<td>Color Vector Graphic</td>
<td></td>
</tr>
</tbody>
</table>

Cutoff & Shielding Angle

The lamp cutoff angle of a luminaire is the angle between the vertical axis (nadir) and the first line of sight when the bare source is no longer visible. Lamp image cutoff is measured the same way as lamp cutoff, but it occurs when the image of the lamp is no longer visible in the reflector. The shielding angle is the compliment of the cutoff angle.

When both the lamp cutoff and lamp image cutoff are equal, the optical system has no spill light and uses all of the light in the useful beam. Equal cutoff to lamp and lamp image also provide higher visual comfort for the space.

Candela Diagrams
(Candle Power Distribution)

Candela diagrams provide an illustration of the intensity and distribution of light. This allows quick estimates on how useful a particular fixture would be in an application. Polar graphs provide a visual indication on how narrow or wide a beam a fixture produces. Two sets of angles are referenced, vertical and horizontal angles. Vertical angles range from 0° at nadir to 90° along the ceiling line. The number of horizontal angles referenced depends on the rotational shape and symmetry of the light distribution. Sections, or planes of data, are cut at various intervals to describe the intensity changes at the same elevation angles. The 0°–180° plane slices the luminaire along the axis of the lamp, the 90°–270° plane cuts across the lamp axis. Additional planes are supplied every 22.5° where the light distribution becomes more asymmetric. In general, numerical data instead of small polar diagrams should be used for calculations, since the diagrams become difficult to read at the higher elevation angles and at angles surrounding the fixture.

Reflectance

Reflectance is the ratio of luminous flux (lumens) reflected from a surface in relation to luminous flux (lumens) incident onto the surface. Types of surface reflectance range from the specular to the diffuse (lambertian), with many objects exhibiting combinations. Typically, reflectance becomes more specular with larger incident angles. Reflectances of room surfaces are important consideration when calculating illuminances using the "Lumen Method."

Reflectance % = \[ \frac{\text{Reflected Lumens}}{\text{Incident Lumens}} \]

Units: Percentage %  
Symbol: p

Specular Reflection
Spread Reflection
Diffuse Reflection

Field Angle: 50% maximum candlepower.  
Beam Angle: 10% Lamp beam spread to maximum candlepower.

Lighting Properties
### Point-to-Point Calculations

The calculation of foot-candles at a point, no matter if it is on a horizontal, vertical or tilted surface, can be accomplished with the inverse square law. The law states that the illuminance is proportional to the candlepower of the source in the given direction and inversely proportional to the square of the distance from the source. In addition, as a surface is tilted away from the source, illuminance will decrease in a ratio equal to the cosine of the angle of incidence.

The inverse square law formula can be expressed in various ways; the two most useful follow. Version 1 is ideal for the complexities of three-dimensional space as no trigonometry (cosine) is needed, just the simple X, Y and Z coordinates of the layout. It is also very useful in calculating foot-candles from the CBCP of accent lights. Version 2 is useful for calculations that can be laid out in two dimensions and when it is easy to find the cosine of the aiming angle. Insert your data into either easy-to-use formula to calculate the initial foot-candle level at a point.

#### Version 1

\[
FC = \frac{I \times N}{D^2}
\]

Where:
- \( I \) = CD towards Point
- \( D \) = Distance to Point (square root of \( X^2 + Y^2 + Z^2 \))
- \( N \) = Distance Normal to the Surface

#### Version 2

\[
FC = \frac{I \times \cos \theta}{D}
\]

Where:
- \( I \) = CD towards Point
- \( D \) = Distance to Point (square root of \( X^2 + Y^2 \))
- \( \theta \) = Angle between incident light ray and normal to the surface

### Ambient Lighting

Lighting throughout an area which produces general illumination. The appropriate Halo recessed fixtures are available to provide patterns of light distribution for this purpose. These units direct light in specific patterns to illuminate areas without drawing attention to the fixtures themselves.

### Task Lighting

Lighting directed to a specific area to perform a specific task. Use Halo fixtures with narrower beam patterns and high illumination levels. Task-Ambient Lighting—The combination of task and ambient lighting should provide a level of ambient lighting that is lower than the task yet is designed so the ambient complements the task lighting. Here luminance ratio should be considered. Luminance ratio is the measure of task or accent to surrounding ambient lighting. For example, retail stores may use 5-to-1 task-to-ambient lighting on cash registers for transactions and 10-to-1 accent-to-ambient lighting on displays to draw maximum attention to the products.

### Wall Washing

Directional lighting used to focus attention on a particular object or surface. Its intensity levels vary according to ambient illumination levels. Higher ambient levels require higher accent illumination to provide the necessary contrast (luminance ratio). This requires adjustable fixtures which can deliver higher illumination levels and precise beam distributions. Halo adjustable trims are often used in accent lighting and offer the range of intensities and beam spreads necessary for controlled quality lighting.
Halo Recessed Lighting
Light Sources

Light Emitting Diodes (LED)

Solid State Lighting (LED) once only known to the electronics industry are now a common component used for general lighting. And the reason is LED’s superior energy efficiency and extremely long operational life compared to traditional incandescent technology. LED’s have been used in automotive and signal products for some time because of LED’s natural generation of red, blue, and green color. With recent breakthroughs in LED chip set technology a LED is now capable of generating “white light”. Combined with technological advances in LED driver power electronics, LED may be applied successfully to general lighting products. LED is also referred to as Solid State Lighting (SSL) because it is composed of various semiconductor materials and when an electrical current passes through the diode, the recombination of positive and negative charges results in the emission of photons or light. As a result LED luminaires are high-efficiency alternatives to less efficient light sources.

The Benefits of LED
- Energy Savings - Significant savings over traditional sources (Halo ML56 - 600 Series consumes 86% less energy than comparable 65W BR30 incandescent lamps)
- High Efficacy - LED offers more lumens per Watt (Halo ML56 - 600 Series delivers up to 92 LpW compared to 9.5 LpW of 65W BR30 incandescent lamps)
- Long Operational Life - LED offers significant life values, with many models offering over 50,000 hours (Compare to 65W BR30 incandescent lamp with typical life of 2,500 hours)
- Reduced maintenance cycle - LED can perform for years, even in 24 hours 7 days a week operation
- Dimmable - Designated LED drivers are capable of full range dimming and may operate with many standard dimmers
- Improved quality of light - LED downlight optics offer smooth, even illumination across the visual field
- Soffit applications - LED downlighting may be used in protected canopies, porches, and soffits in colder climates than fluorescent sources (where designated for “Wet Location” listing)
- Code compliance - LED lighting may be used to meet stringent code requirements requiring higher luminaire efficacy (Lumens per Watt) and lower building power density (watts per square foot)
- Reduced environmental impact - Significant reduction in energy loads with LED lighting offers reduction of carbon emissions in electrical generation

Color Selection choices for Halo LED:
- Color Rendering Index (CRI): 90 CRI (R9 > 50)
- Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, 4000K, 5000K

LED Warranty:
- Eaton lighting solutions business provides a five year limited warranty on designated HALO LED luminaires. Consult www.eaton.com/lighting/legal

Applications: General, Task, Wall Wash, Accent (depending upon model selected)

Halogen Low Voltage (MR16)

Multifaceted Reflector (MR) lamps produce crisp, white light; with more typical sparkle than PAR lamps. Low voltage halogen lamps offer the best light control and are ideal for accenting. Low voltage lamps require a transformer in the fixture to step line voltage down to nominal lamp operating voltage.

Applications: Task, Accent, Wall Wash, Grazing
Sizes: MR16
Beam Spread: Many available. Measured in beam angles.
Typical Rated Life: 2,500 hours

Incandescent and Halogen (INC/HAL)

These are popular because they are easy to install, are relatively inexpensive and are available in a wide range of wattages and bulb styles. Halogen lamps are a type of incandescent with filaments of tungsten wire heated by the passage of electrical current to incandescence. All clear halogen lamps are considered to have a color rendering index of 100.

A-Lamps
General service “A” lamps emit a warm light. These require reflectors to effectively control light.
Applications: General, Well Wash
Typical Sizes: A17, A19, A21
Typical Rated Life: 1000 hours

R and BR Lamps
Reflector (R) and Bulge Reflector (BR) lamps emit a warm amber light. These have built-in reflectors to control light in flood and spot beam patterns.
Applications: General, Task, Accent, Wall Wash, Grazing
Sizes: R20, BR30, BR40
Beam Spread: Flood, Spot
Typical Rated Life: 2,500 hours

PAR Halogen Lamps
Parabolic aluminized reflector lamps produce a crisp, white light. These use built-in reflectors with internal reflective coatings and lenses to control light in many beam patterns.
Applications: General, Task, Accent, Wall Wash, Grazing
Sizes: PAR16, PAR20, PAR30S (short neck), PAR30L (long neck), PAR38
Beam Spread: Narrow Spot, Spot, Flood, Narrow Flood, Wide Flood
Typical Rated Life: 2,500 hours
HALO Home
Smart Lighting System

LED Modules ........................................ 28
LED Outdoor ........................................ 30
Flood .................................................. 30
Flood + Motion ...................................... 31
Smart Controls ...................................... 32
Smart Dimmer ....................................... 32
Accessory Dimmer .................................. 33
Battery Scene Keypad ............................. 34
Anyplace Dimmer .................................. 35
Accessories .......................................... 36
Bridge ................................................ 36
Lamp Dimmer ....................................... 37
Smart Light Adapter .............................. 38
HALO Home Collection

HALO Home is a flexible new approach to smart home lighting. Our system offers a range of Bluetooth® fixtures, controls and accessories that work seamlessly together. From a single light to an entire home, your smart lighting search starts and ends here.

HALO Home offers lots of control options – from Bluetooth in-wall wired switches to Bluetooth-enabled wireless “anyplace” controls, user-friendly mobile apps, web application, or all of the above. No internet connection or hub is required to get started; you can easily configure the lights using Bluetooth connection and any smart device.
HALO Home Smart Lighting System

HALO Home app
Our user-friendly mobile app lets you control lighting from your fingertips, and from anywhere in the world (with the optional Smart Internet Access Bridge). Available for iOS and Android, it features dimming, adjustable white tuning, grouping, automatic scheduling and more.

Available on the App Store

Google play

Flexible and scalable
HALO Home is a simple and flexible connected option, with the ability to install as little as one smart light or scale up to control the entire home through the easy-to-use HALO Home app.

Voice control compatible
Customize your home lighting with anywhere in the world access and voice control. HALO Home is compatible with Amazon Alexa and Google Assistant products, when paired with the optional Smart Internet Access Bridge.

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Adjustable white tuning
Select the perfect color for your mood and beautifully complement your home. The HALO Home smart lighting fixtures provide the ability to adjust color temperatures from 2700K (warm white) to 5000K (daylight).
The Halo Home RL4 is an integrated LED module with Bluetooth® Mesh connectivity for 4” aperture recessed downlights. When paired with the Halo Home mobile app or Halo Home Accessory dimmers, the RL4 can be wirelessly controlled. Suitable for new construction, remodel and retrofit installation. Listed for use with Halo 4” housings and classified for use with other 4” housings, airtight and can be used with housings in direct contact with insulation. The RL4 is designed to connect to the Halo Home Bluetooth Mesh network with no hub or internet connection required.

**Features**

**Wireless System**
- For use with the Halo Home mobile app.
- Bluetooth low energy (BLE) mesh allows on/off, white tuning and lumen output to be controlled wirelessly with companion wall switches, smart phones and tablets using Halo Home mobile application.
- Group, schedule, scenes and automate lighting actions through Halo Home mobile app. Halo Home products work better together. Smartphone will need to be within range to control a Halo Home device. Expand and strengthen the Bluetooth network range by adding more Halo Home devices. Visit halohomesupport.eaton.com or see Halo quick start guide for wireless setup, guidance and troubleshooting.

**Module - Trim**
- Module construction includes LED Array, heat sink, reflector, lens, baffle and trim ring.
- Regressed baffle
- Heat sink designed to conduct heat away from the LED Array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments.

**LED Array**
- Mid power LED array provides a uniform source with high efficiency and no pixillation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy within 3 SDCM at the CCT endpoints and 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has an adjustable range from 2700K to 5000K within the mobile app (factory default 3000K)
- 50,000 hour life

**Optical Assembly**
- Regressed lens
- Impact-resistant polycarbonate
- Convex form and lamp-like appearance
- Diffuse for even illumination

**Driver**
- Integral 120V 50/60 Hz constant current driver provides noise free operation
- Inline electrical quick connect and E26 adapter (provided) provides mains connections
- Consult instruction sheets and quick start guide for more information

**Dimming**
- In the mobile app, continuous, flicker-free dimming from 100% to 5%
- It is not recommended with any in wall dimmers.

**Retention**
- Push-N-Twist universal installation clips
- Clips are pre-installed and designed to fit 4” compatible recessed housings

**Designer Skins (sold separately)**
- RL4 skins are accessory rings that attach to the RL4 for a permanent finish. Refer to the RL4 accessories specification sheet for details.
  - White (Paintable)
  - Satin Nickel
  - Tuscan Bronze

**Gaskets**
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

**Factory Reset**
Using the wall switch repeat this process 4 times: OFF for 2 seconds + ON for 6 seconds. The RL4 will flash twice after successful reset.

**Compliance**
- ULus certified for use with Halo housings and other’s housings
- Wet and Damp location listed
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JAB-2018-E.
- Can be used International Energy Conservation Code (IECC) high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings
- Lighting Facts labeled
- FCC ID: 2AXCY-RL4BLE
- IC Code: 4706A-RL4BLE

**Warranty**
Five year limited warranty, consult website for details.
www.eaton.com/lighting/legal

**RL4 Energy Data**

| Input Voltage | 120V |
| Input Current | .069 A |
| Input Power | 8 W |
| Inrush (A) | 2.3 A |
| THD | ≤ 20% |
| PF | ≥ 0.90 |
| T Ambient | -40 to +40°C |
| Sound Rating | ≤ 22.5dBA |
The Halo Home RL56 is an integrated LED module with Bluetooth® Mesh connectivity for 5" & 6" aperture recessed downlights. When paired with the Halo Home mobile app or Halo Home Accessory dimmers, the RL56 can be wirelessly controlled. Suitable for new construction, remodel and retrofit installation. Listed for use with Halo 5" & 6" housings and classified for use with other 5" & 6" housings, airtight and can be used with housings in direct contact with insulation. The RL56 is designed to connect to the Halo Home Bluetooth Mesh network with no hub or internet connection required.

Features

**Wireless System**
- For use with the Halo Home mobile app.
- Bluetooth low energy (BLE) mesh allows on/off, white tuning and lumen output to be controlled wirelessly with companion wall switches, smart phones and tablets using Halo Home mobile application.
- Group, schedule, scenes and automate lighting actions through Halo Home mobile app.
- HOme products work better together. Smartphone will need to be within range to control a Halo Home device. Expand and strengthen the Bluetooth network range by adding more Halo Home devices. Visit halohomesupport.eaton.com to learn more.

**Wireless Pairing**
- See Halo quick start guide for wireless setup, guidance and troubleshooting.

**Module - Trim**
- Module construction includes LED Array, heat sink, reflector, lens, baffle and trim ring.
- Regressed baffle
- Heat sink designed to conduct heat away from the LED Array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments.

**LED Array**
- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy within 3 SDCM at the CCT endpoints and uniformity.
- Color Temperature (CCT) has an adjustable range from 2700K – 5000K, in white tuning, select CCT 2700K – 5000K, in the mobile app
- 50,000 hour life

**Optical Assembly**
- Regressed lens
- Impact-resistant polycarbonate
- Convex form and lamp-like appearance
- Diffuse for even illumination

**Driver**
- Integral 120V 50/60 Hz constant current driver provides noise free operation
- Inline electrical quick connect and E26 adapter (provided) provides mains connections
- Consult instruction sheets and quick start guide for more information

**Dimming**
- In the mobile app, continuous, flicker-free dimming from 100% to 5%
- It is not recommended with any wall dimmers.

**Retention**
- Integral torsion springs and Push-N-Twist universal installation clips offer two mounting options
- Clips are pre-installed and designed to fit 5" & 6" compatible recessed housings

**Designer Skins (sold separately)**
- RL56 skins are accessory rings that attach to the RL56 for a permanent finish. Refer to the RL56 accessories specification sheet for details.
  - White (Paintable)
  - Satin Nickel
  - Tuscan Bronze

**Gaskets**
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

**Factory Reset**
Using the wall switch repeat this process 4 times: OFF for 2 seconds + ON for 6 seconds. The RL56 will flash twice after successful reset.

**Compliance**
- cULus certified for use with Halo housings and other’s housings
- Wet and Damp location listed
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08 and LM-80-08 and TM-21-11
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JAB-2016-E
- Can be used International Energy Conservation Code (IECC) high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings
- Lighting Facts labeled
- FCC ID: ZAKCY-RL56BLE
- IC code: 4706A-RL56BLE

**Warranty**
Five year limited warranty, consult website for details. www.eaton.com/lighting/legal

**RL56 Series Ordering Information**

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumin</th>
<th>CRI / CCT</th>
<th>Protocol</th>
<th>Finish</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>RL56 - 5&quot;/6&quot; all-purpose retrofit LED module</td>
<td>06 – 600 lumens (nominal)</td>
<td>9 – 90 CRI minimum, white tuning, select CCT 2700K – 5000K, in the mobile app</td>
<td>BLE40A = Bluetooth Mesh wireless control, 4.0</td>
<td>WW = matte white baffle</td>
<td>RL56TRMWHB = 5&quot;/6” White Paintable Trim Ring, Baffle RL56TRMSNB = 5&quot;/6” Satin Nickel Trim Ring, Baffle RL56TRMTTBB = 5&quot;/6” Tuscan Bronze Trim Ring, Baffle RL56TRMNWH = 5&quot;/6” White Paintable Trim Ring RL56TRMSN = 5&quot;/6” Satin Nickel Trim Ring RL56TRMTBB = 5&quot;/6” Tuscan Bronze Trim Ring</td>
</tr>
</tbody>
</table>

**RL56 Energy Data**

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>120V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Current</td>
<td>.082 A</td>
</tr>
<tr>
<td>Input Power</td>
<td>9.7 W</td>
</tr>
<tr>
<td>Inrush (A)</td>
<td>1.4 A</td>
</tr>
<tr>
<td>THD</td>
<td>≤ 20%</td>
</tr>
<tr>
<td>PF</td>
<td>≥ 0.90</td>
</tr>
<tr>
<td>Ambient: -40°C - +40°C</td>
<td>Sound Rating ≤ 22.5dbA</td>
</tr>
</tbody>
</table>

Specifications and compliances and dimensions subject to change without notice.
HALO Home
FTS20C Flood - Bluetooth

FTS20C Twin Head LED Flood with Bluetooth Mesh Connectivity

The HALO Home smart LED floodlight incorporates Bluetooth® Mesh technology into a durable, twin head design for an advanced outdoor lighting solution built for high performance. Featuring a multitude of configurable settings including grouping, scheduling, dimming and white color tuning, the FTS20C does not require a hub and can be wirelessly controlled directly from any compatible smart device utilizing the Halo Home app, or any Halo Home wireless switch or dimmer.

Features

Wireless System
• For use with the HALO Home mobile app.
• Bluetooth low energy (BLE) mesh allows on/off and dimming to be controlled wirelessly with companion wall switches, smart phones and tablets using HALO Home mobile app.
• White tuning, grouping, scheduling and countdown timer controlled through HALO Home mobile app. Smartphone will need to be within range to control a HALO Home device. Expand and strengthen the Bluetooth network range by adding more HALO Home devices. Visit halohomesupport.eaton.com to learn more.

Construction
• Durable die-cast aluminum housing with UV stable clear lens
• Powder coated bronze or white finish
• Optically enhanced reflector improves efficiency and delivered lumens
• Tool-less head adjustment
• Wall or eave mounted to recessed or surface junction boxes

Electrical
• For use with 120-277V, 50/60Hz power source
• Maintenance-free LED’s with 70,000 hours of life
• Operating temperature of -30°C to 40°C
• cULus listed for wet locations
• External supply wiring 75°C minimum

Optics
• Two-stage optics for maximum coverage
• Wirelessly controlled white tuning from 3000K to 5000K CCT (factory default 4000K)
• Wirelessly controlled dimming to 5%

Warranty
• Five year limited warranty

FTS20C Series Ordering Information

<table>
<thead>
<tr>
<th>Application</th>
<th>Size</th>
<th>Nominal Wattage</th>
<th>Protocol</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT = Flood, Twin Head</td>
<td>S = Small</td>
<td>20 = 20W</td>
<td>C = Connected Bluetooth Mesh</td>
<td>B = Bronze</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Wireless Control, 4.0</td>
<td>W = White</td>
</tr>
</tbody>
</table>

FTS20C Energy Data @ 4000K

<table>
<thead>
<tr>
<th>Voltage</th>
<th>120-277V, 50/60Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>22.8 W</td>
</tr>
<tr>
<td>Delivered Lumens*</td>
<td>2034</td>
</tr>
<tr>
<td>Efficacy*</td>
<td>89.2 (lm/W)</td>
</tr>
<tr>
<td>CCT</td>
<td>3000K - 5000K</td>
</tr>
<tr>
<td>CRI*</td>
<td>84</td>
</tr>
<tr>
<td>Protocol</td>
<td>Bluetooth Mesh 4.0</td>
</tr>
</tbody>
</table>

* Based on factory default setting of 4000K CCT

Note: Specifications and Dimensions subject to change without notice.
MST20C

Smart Motion Floodlight Twin Head LED Motion with Bluetooth Mesh Connectivity

The HALO Home Smart Motion Floodlight incorporates Bluetooth® Mesh technology into a durable, twin head LED motion sensor flood design for an advanced outdoor lighting solution built for high performance. Features configurable settings for both the motion sensor and floodlight, including sensitivity, duration and scene control, as well as grouping, scheduling, dimming and white tuning. The MST20C does not require a hub and can be wirelessly controlled directly from any compatible smart device utilizing the HALO Home app, or any HALO Home controllers.

Features

Wireless System
- For use with the HALO Home mobile app
- Bluetooth low energy (BLE) mesh allows on/off and dimming to be controlled wirelessly with companion wall switches, smart phones and tablets using Halo Home mobile app
- Dual Bluetooth module design allows for separate floodlight (device) and motion sensor (controller) function
- White tuning, grouping, scheduling, scenes and countdown timer controlled through HALO Home mobile app
- Motion sensitivity control from 0-100%
- Photocontrol sensitivity from 0-100%

HALO Home products work better together.
Smartphone will need to be within range to control a HALO Home device. Expand and strengthen the Bluetooth network range by adding more HALO Home devices. Visit halohomesupport.eaton.com to learn more.

Construction
- Durable die-cast aluminum housing with UV stable clear lens
- Powder coated bronze or white finish
- Optically enhanced reflector improves efficiency and delivered lumens
- Tool-less head and motion sensor adjustment
- Wall or eave mounted to recessed or surface junction boxes

Electrical
- For use with 120-277V, 50/60Hz power sources
- Maintenance-free LED’s with 70,000 hours of life
- Operating temperature of -30°C to 40°C
- cULus listed for wet locations
- External supply wiring 75°C minimum
- Motion sensor detects motion 180° up to 50 feet

Optics
- Two-stage optics for maximum coverage
- Wirelessly controlled white tuning from 3000K to 5000K CCT (factory default 4000K)
- Wirelessly controlled dimming to 5%

Warranty
- Five year limited warranty

Reset to Factory Settings
- Using the wall switch, repeat this process 4 times: OFF 2 seconds + ON for 6 seconds.
- The LED floodlight will flash twice after a successful reset.

Note: This will revert both the Floodlight and the associated Motion Sensor to their Factory Setting.

Making the most of Bluetooth Mesh
- HALO Home products communicate with each other and your mobile device using Bluetooth Mesh technology. As with any Bluetooth-enabled product, your smartphone will need to be within range to control a HALO Home device. You can strengthen and expand your Bluetooth network range by adding more HALO Home devices within your house.
- Visit halohomesupport.eaton.com to learn more.

Area Coverage

<table>
<thead>
<tr>
<th>Mounting Height (L)</th>
<th>Length (W)</th>
<th>Width (L)</th>
<th>Area (Sq. Ft.)</th>
<th>Max F.C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 ft.</td>
<td>18</td>
<td>40</td>
<td>720</td>
<td>4.3</td>
</tr>
<tr>
<td>15 ft.</td>
<td>20</td>
<td>40</td>
<td>800</td>
<td>1.9</td>
</tr>
<tr>
<td>20 ft.</td>
<td>20</td>
<td>40</td>
<td>800</td>
<td>1.1</td>
</tr>
</tbody>
</table>

Note: Bronze fixture at a typical mounting angle of 30° from vertical
All figures based on minimum footcandle (FC) of 0.5 and 4000K CCT

MST20C Energy Data @ 4000K

<table>
<thead>
<tr>
<th>Application</th>
<th>Head</th>
<th>Nominal Wattage</th>
<th>Protocol</th>
<th>Motion Sensor</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS = Motion Sensor</td>
<td>T = Twin</td>
<td>20 - 20W</td>
<td>Connected Bluetooth Mesh Wireless Control, 4.0</td>
<td>18 – 180° Detection</td>
<td>Bronze W = White</td>
</tr>
</tbody>
</table>

Note: Specifications and Dimensions subject to change without notice.
HALO Home
HIWMA1BLE40AWH In-Wall Smart Dimmer - Bluetooth

**Features**

**Wireless System**
- Utilizes Bluetooth Mesh 4.0
- Wireless range of up to 100 feet from Bluetooth device to device and up to 33 feet from Bluetooth device to other devices
- 2.4GHz signal frequency
- HALO Home products work better together.

**Wireless Pairing**
- See Halo quick start guide for wireless setup, guidance and troubleshooting.
- Smartphone will need to be within range to control a HALO Home device.
- Expand and strengthen the Bluetooth network range by adding more HALO Home devices.
- Visit halohomesupport.eaton.com to learn more.

**Features**
- Control standard lights with the switch or free HALO Home app
- Features ON/OFF, Dimming, Groups, Schedules, and Scenes
- Works with dimmable LEDs, CFL, halogen, and incandescent bulbs and light fixtures

**Environmental**
- Rated for Indoor Use only. 32°F to 104°F (0°C to 40°C) damp locations

**Design Features**
- Range: Up to 100 feet line of sight
- Dimmer to have four 6” pre-stripped wire leads for line (black), load (red), ground (green) and neutral (white)
- Air-gap switch disconnects power from load forcing an OFF condition to safely work on the light fixtures.
- Air-gap switch will also disconnect power from the internal circuitry of the dimmer.
- Air-gap switch is a 1 way switch – power is connected through the air-gap switch when the air-gap plastic is in, and power does not go through the air-gap switch when the air-gap plastic is pulled out.
- Neutral wire will be required for installation
- Large paddle switch that actuates 2 switches. Upper part of paddle actuates one switch ON, and lower part of paddle actuates the other switch OFF for ON and OFF functions listed below.
- Thin dimmer rocker switch that also actuates 2 more switches. Upper part of rocker actuates one switch Brighten, and lower part of paddle actuates the other switch Dim for Brighten and Dim functions listed below.
- One status LED under firmware control
- Dimming state shall be retained in the event of AC power loss.
- Acoustic noise not to exceed 22 dBa SPL at 1 ft

**Button Functions**
- Dim up (Brighten) will brighten the lamps associated to the Smart Dimmer
- Dim down will dim the lamps associated to the Smart Dimmer
- ON will turn on the lamps associated to the Smart Dimmer
- OFF will turn off the lamps associated to the Smart Dimmer
- Holding the ON button for 12 seconds will factory reset the dimmer and it will also be in Bluetooth pairing mode.

**Factory Reset**
- Hold the ON button for 12 seconds to reset and claim to your account.

**Certifications & Compliance**
- cULus Listed, NOM Certified. Complies with FCC Part 15, Class B,
- Industry Canada RSS-Gen and RSS-247
- Title 24 and Title 20 Compliant
- NEMA SSL 7A Compliant type 1 Dimmer
- Bluetooth Certification 4.1 or higher + Mesh
- ROHS-2

**Warranty**
- Five year limited warranty, consult website for details.
  eaton.com/lighting/legal

**HIWMA1BLE40AWH Ordering Information**

<table>
<thead>
<tr>
<th>Device</th>
<th>Generation</th>
<th>Radio</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIWMA – HALO In-Wall Accessory Dimmer</td>
<td>1st generation</td>
<td>BLE40A-Bluetooth Low Energy 4.0</td>
<td>White</td>
</tr>
</tbody>
</table>

**Multi-Unit Installation Chart**

<table>
<thead>
<tr>
<th>Device</th>
<th>Load Type</th>
<th>1-Gang</th>
<th>2-Gang</th>
<th>3-Gang</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF9440-N</td>
<td>INC/ELV/FLR/Halogen/MLV</td>
<td>600W/VA</td>
<td>550W/VA</td>
<td>500W/VA</td>
</tr>
<tr>
<td>LED/CFL</td>
<td>300W</td>
<td>300W</td>
<td>300W</td>
<td></td>
</tr>
</tbody>
</table>
HALO Home
HIWAC1BLE40AWH In-Wall Accessory Dimmer - Bluetooth

HIWAC1BLE40AWH

In-wall Accessory Dimmer

The HALO Home In-Wall Accessory Dimmer controls your HALO Home lighting devices from a central location. The Accessory Dimmer is designed to connect to the HALO Home Bluetooth Mesh network with no hub or internet connection required. The Accessory Dimmer can occupy any position in a multi-gang junction box, while the other positions of the junction box can be occupied by switches or other dimmers. The Accessory Dimmer can operate HALO Home lighting fixtures with single, 3-way or multi-switch controls. For standard lights, the Accessory Dimmer can be used for multi-switch control when paired with HALO Home In-wall Smart Dimmer.

Features

Wireless System
• Utilizes Bluetooth Mesh 4.0
• Wireless range of up to 100 feet from Bluetooth device to device and up to 33 feet from Bluetooth smartphone/tablet to closest device.
• 2.4GHz signal frequency
• HALO Home products work better together. Smartphone will need to be within range to control a HALO Home device. Expand and strengthen the Bluetooth network range by adding more HALO Home devices. Visit halohomesupport.eaton.com to learn more.

Wireless Pairing
• See Halo quick start guide for wireless setup, guidance and troubleshooting.

Features
• Control HALO Home smart lights with the switch or free HALO Home app
• Features ON/OFF, Dimming Groups, Schedules, and Scenes
• Works with HALO Home smart LED lights only

Environmental
• Rated for Indoor Use only. 32°F to 104°F (0°C to 40°C) damp locations

Design Features
• Range: Up to 100 feet line of sight
• Dimmer to have four 6" pre-stripped wire leads for line (black), load (red), ground (green) and neutral (white)
• Air-gap switch disconnects power from load forcing an OFF condition to safely work on the light fixtures.

• Air-gap switch will also disconnect power from the internal circuitry of the dimmer.
• Air-gap switch is a 1 way switch – power is connected through the air-gap switch when the air-gap plastic is in, and power does not go through the air-gap switch when the air-gap plastic is pulled out.
• Neutral wire will be required for installation
• Large paddle switch that actuates 2 switches. Upper part of paddle actuates one switch ON, and lower part of paddle actuates the other switch OFF for ON and OFF functions listed below.
• Thin dimmer rocker switch that also actuates 2 more switches. Upper part of rocker actuates one switch Brighten, and lower part of paddle actuates the other switch Dim for Brighten and Dim functions listed below.
• One status LED under firmware control
• Dimming state shall be retained in the event of AC power loss.
• Acoustic noise not to exceed 22 dBA SPL at 1 ft

Button Functions
• Dim up (Brighten) will brighten the lamps associated to the Smart Dimmer
• Dim down will dim the lamps associated to the Smart Dimmer
• ON will turn on the lamps associated to the Smart Dimmer
• OFF will turn off the lamps associated to the Smart Dimmer
• Holding the ON button for 12 seconds will factory reset the dimmer and it will also be in Bluetooth pairing mode.

Factory Reset
• Hold the ON button for 12 seconds to reset and claim to your account.

Certifications & Compliance
• cULus Listed, NOM Certified. Complies with FCC Part 15, Class B
• Industry Canada RSS-Gen and RSS-247
• Title 24 and Title 20 Compliant
• NEMA SSL 7A Compliant type 1 Dimmer
• Bluetooth Certification 4.1 or higher + Mesh
• ROHS-2

Warranty
• Five year limited warranty, consult website for details. eaton.com/lighting/legal

HIWMA1BLE40AWH Ordering Information

<table>
<thead>
<tr>
<th>Device</th>
<th>Generation</th>
<th>Radio</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIWAC=HALO In-Wall Accessory Dimmer¹</td>
<td>1=1st generation</td>
<td>BLE40-Bluetooth Low Energy 4.0</td>
<td>WH-White BL-Black LA-Light Almond</td>
</tr>
</tbody>
</table>

HIWAC1BLE40AWH Multi-Unit Installation Chart

<table>
<thead>
<tr>
<th>Device</th>
<th>Load Type</th>
<th>1-Gang</th>
<th>2-Gang</th>
<th>3-Gang</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIWAC1BLE40AWH</td>
<td>INC/ELV/FLR/Halogen/MLV</td>
<td>600W/VA</td>
<td>550W/VA</td>
<td>500W/VA</td>
</tr>
<tr>
<td>LED/CFL</td>
<td></td>
<td>300W</td>
<td>300W</td>
<td>300W</td>
</tr>
</tbody>
</table>

Specifications, compliances and dimensions subject to change without notice
HALO Home
HIWSKB1BLE40AWH Multi-Room Scene Keypad - Bluetooth

HIWSKB1BLE40AWH
Battery Powered Multi-Room Scene Keypad

The HALO Home Multi-Room Scene Keypad allows you to control up to four lighting scenes or groups, ON/OFF and dimming throughout your home from a central location. The Keypad contains four (4) scene buttons, dim-up and dim-down buttons, and all scene OFF button. The Keypad is designed to connect to the HALO Home Bluetooth Mesh network with no hub or internet connection required. The battery powered keypad connects wirelessly to control HALO Home lights, controls and accessories throughout the home. It can be added to an existing bank of switches or placed in-wall wherever lighting control is desired.

Features

Wireless System
• Utilizes Bluetooth 4.1 with mesh networking topology.
• Wireless range of up to 100 feet from Bluetooth device to device and up to 33 feet from Bluetooth smartphone/tablet to closest device.
• 2.4GHz signal frequency.
• HALO Home products work better together. Smartphone will need to be within range to control a HALO Home device. Expand and strengthen the Bluetooth network range by adding more HALO Home devices. Visit halohomesupport.eaton.com to learn more.

Wireless Pairing
• See HALO Quick Start Guide for wireless setup, guidance and troubleshooting.

Features
• Turn scenes ON/OFF from the Scene Keypad or the free HALO Home app.
• Features four scene buttons, dim-up and dim-down buttons, and an all-off button.
• Works with HALO Home smart LED lights or group of lights on the same circuit with the HALO Home Smart Dimmer.

Environmental
• Rated for Indoor Use only. 32°F to 104°F (0°C to 40°C) damp locations.

Design Features
• Range: Up to 100 feet line of sight.
• One status LED under firmware control.
• Acoustic noise not to exceed 22 dBA SPL at 1 ft.

Button Functions
• Four (4) buttons to turn on up to four scenes or groups.
• Dim up (Brighten) will brighten the lamps associated to an active scene.
• Dim down will dim the lamps associated to an active scene.
• OFF will turn off the lamps associated to an active scene.

Factory Reset
• Press the 1 button 4 times, then the OFF button 4 times, then the 1 button 4 times.
• The LED indicator will stay on for 5 seconds then blink for 30 seconds on a successful reset.

Certifications & Compliance
• Title 24 and Title 20 Compliant.
• Bluetooth Certification 4.1 or higher + Mesh networking topology.
• ROHS-2.

Warranty
• Five year limited warranty, consult website for details. eaton.com/lighting/legal

HIWSKB1BLE40AWH Ordering Information

<table>
<thead>
<tr>
<th>Device</th>
<th>Power Source</th>
<th>Generation</th>
<th>Radio</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIWSKB - HALO In-Wall Scene Keypad</td>
<td>B=Battery powered</td>
<td>1-1st generation</td>
<td>BLE40A-Bluetooth Low Energy 4.0</td>
<td>WH-White</td>
</tr>
</tbody>
</table>
HALO Home
HWAS1BLE40AWH Anyplace Bluetooth Dimmer

Anyplace Bluetooth Dimmer
The HALO Home Anyplace Bluetooth Dimmer allows for HALO Home Bluetooth Mesh compatible light fixtures to be controlled from a handheld remote controller, through the Bluetooth Mesh connection. The light fixture can be controlled from the remote controller or through the HALO Home mobile app, using a smart phone or other device. The Anyplace Dimmer is designed to connect to the HALO Home Bluetooth Mesh network with no hub or internet connection required.

Features

Wireless System
- Utilizes Bluetooth Mesh 4.0
- Wireless range of up to 100 feet (line of sight) to nearest device 2.4GHz signal frequency.
- HALO Home products work better together. Smartphone will need to be within range to control a HALO Home device. Expand and strengthen the Bluetooth network range by adding more HALO Home devices. Visit halohomesupport.eaton.com to learn more.

Features
- Using the HALO Home app and the Anyplace Dimmer, each Bluetooth Mesh lighting fixture has the ability for:
  - On/Off
  - Dimming
- Turn on/off and adjust dim levels using the battery operated switch or via smartphone or tablet equipped with Bluetooth.
- HALO Home Rls dim down to 5%

Mounting
- Use 2 screws or provided double sided tape to mount to walls

Compatible Products
- The Anyplace Dimmer must be paired with another HALO Home device.
- Contents:
  - 3 replaceable CR2032 batteries
  - Adhesive mounting tape
  - Mounting screws

Compliance
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits

Warranty
- Five year limited warranty, consult website for details. www.eaton.com/lighting/legal

HWAS1BLE40AWH Ordering Information

<table>
<thead>
<tr>
<th>Device</th>
<th>Protocol</th>
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<tbody>
<tr>
<td>HWAS1</td>
<td>BLE40A-Bluetooth wireless mesh 4.0 control</td>
<td>WH-White</td>
</tr>
</tbody>
</table>

Specifications, compliances and dimensions subject to change without notice
HALO Home
HWB1BLE40AWH Internet Access Bridge- Bluetooth

HWB1BLE40AWH

Internet Access Bridge

The HALO Home Internet Access Bridge (Bridge) enables you to control your HALO Home devices and accessories from anywhere in the world. The Bridge establishes a secure connection between your local Bluetooth network and the HALO Home Cloud, enabling you to take advantage of an ever-increasing lineup of Cloud services, including Amazon Alexa and Google Assistant. Wireless router and Internet connection are required.

Features

Wireless System
- Utilizes Bluetooth Mesh 4.0
- Wireless range of up to 50 feet of closest HALO Home Bluetooth devices and Wi-Fi router.
- 2.4GHz signal frequency
- HALO Home products work better together. Smartphone will need to be within range to control a HALO Home device. Expand and strengthen the Bluetooth network range by adding more HALO Home devices. Visit halohomesupport.eaton.com to learn more.

Integration
- HHIAB allows for integration and control of any Halo Home device through the following Cloud services.
  - Amazon Alexa
  - Google Assistant

Indicators
- Bluetooth and Wi-Fi LED indicators inform you once connection is made

Manual Reset
- Manual reset button located on the device to reset to factory settings

Driver
- For use with 110/220V compatible sockets

Compatible Products
- Any HALO Home lighting device and the HALO Home app

Compliance
- cULus listed
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits

Warranty
- Five year limited warranty, consult website for details www.eaton.com/lighting/legal

HWB1BLE40AWH Ordering Information

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<td>BLE40A-Bluetooth wireless mesh 4.0 control</td>
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</tbody>
</table>
HALO Home
HWP1BLE40AWH Smart Plug-In Lamp Dimmer - Bluetooth

HWP1BLE40AWH
Smart Plug-In Lamp Dimmer

The HALO Home Smart Plug-In Lamp Dimmer enables convenient control for standard floor and table lamps using the HALO Home mobile app. Combine with more HALO Home light fixtures and accessories to create groups and scenes throughout the home. Smart Plug-In Lamp Dimmer is for lamps only.

Features

**Wireless System**
- Utilizes Bluetooth Mesh 4.0
- HALO Home products work better together.
- Smartphone will need to be within range to control a HALO Home device. Expand and strengthen the Bluetooth network range by adding more HALO Home devices. Visit halohomesupport.eaton.com to learn more.

**Features**
- Manual ON/OFF and brightness control with the side panel push button
- Using the HALO Home app with the Lamp Dimmer you can program the following controls:
  - On/Off
  - Dimming
  - Scheduling
  - Scenes

**Driver**
- Grounded 3-wire power connection for safety
- Power: 120VAC, 60Hz
- For use with 110/120V compatible sockets

**Compatible Products**
- 2.5A, 300W Incandescent or 150W Dimmable CFL/LED
- Maximum load for the Bluetooth-controlled outlet: 2.5A, 300W Incandescent or 150W Dimmable CFL/LED.

**Factory Reset**
- Hold the ON button for more than 15 seconds
- Constant flashing of blue status indicator light indicates successful reset.

**Compliance**
- UL Certified for US and Canada
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Operating Temperature Range: -30 C to +45C

**Warranty**
- Five year limited warranty, consult website for details eaton.com/lighting/legal

HWP1BLE40AWH Ordering Information

<table>
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<tr>
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<tr>
<td>HWP1 – Smart Plug-In Lamp Dimmer</td>
<td>BLE40A-Bluetooth wireless mesh 4.0 control</td>
<td>WH-White</td>
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</tbody>
</table>
HALO Home
HWAD1BLE40AWH Smart Light Adapter - Bluetooth

HWAD1BLE40AWH
Smart Light Adapter

The HALO Home Smart Light Adapter lets you control non-smart fixtures wirelessly with the HALO Home app. The Smart Light Adapter can be used to add wireless control to any light or group of lights. The Smart Light Adapter enables individual fixture control, dimming, groups scenes and schedules from a mobile device or tablet. Combine with more HALO Home products to create a whole home lighting system.

Features

Wireless Systems
- Wireless Range Up to 100 feet from Bluetooth device.
- Up to 33 feet from Bluetooth smartphone/tablet to closest device
- Signal (frequency) 2.4 GHz
- HALO Home products work better together.
  Smartphone will need to be within range to control a HALO Home device. Expand and strengthen the Bluetooth network range by adding more HALO Home devices. Visit halohomesupport.eaton.com to learn more.

Features
- Using the HALO Home app and the Wireless Adapter lighting device has the following capabilities:
  - On/Off
  - Dimming
  - Scheduling
  - Scenes
- Works with dimmable LED fixtures only
- Control any LED module with adapter

Input
- For use with 85-120V, 60Hz
  Max mains current 0.65A. No load standby power less than 0.2W

Output
- Dimmable LED 15W @120V
- Max output current 0.65A
- Minimum load requirement of 1W

Environmental
- Rated for Indoor Use only. 32°F to 104°F (0°C to 40°C) damp locations

Module
- Module construction includes smart light adapter, two connection points

Compatible Products
- Connects to dedicated LED recessed housing
- Connects to non-LED recessed housing with and Edison Adapter (not included)

Factory Reset
- Repeat this process 4 times: Disconnect for 0.5 to 4 seconds then ON for 5 to 9 seconds

Compliance
- cULus listed
- EMI/RFI emissions per FCC 47 CFR Part 15 consumer limits
- Operating Temperature Range: -30°C to +40°C

Warranty
- Five year limited warranty, consult website for details.
  - eaton.com/lighting/legal

HWAD1BLE40AWH Ordering Information

<table>
<thead>
<tr>
<th>Device</th>
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<td>HWAD1 - Smart Light Adapter</td>
<td>BLE40A - Bluetooth wireless mesh 4.0 control</td>
<td>WH - White</td>
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<td>LED Recessed Downlighting</td>
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<tr>
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<td>LED Modules</td>
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<td>HL6</td>
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LED Recessed Housing
H995ICAT

4” IC, Air-Tite, New Construction LED Housing

The H995ICAT is a dedicated LED small aperture IC Air-Tite™ housing for use with Halo RA4, RL4, LT4 series LED modules and may be used with SLD4 series with the SLD spring kit. It is designed for use in insulated ceilings where it will be in direct contact with insulation*. It is an Air-Tite™ housing designed to restrict air flow between conditioned spaces and unconditioned areas. The LED connection is non-screw base to preserve the high efficacy rating of the luminaire.

Features

Housing
• Double wall aluminum construction helps dissipate heat. The inner housing can be adjusted in the plaster frame to compensate for different ceiling materials.
• Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
• Inner housing adjusts for ceilings up to 1” thick

Plaster Frame
• Galvanized steel die-formed construction
• The housing can be removed from plaster frame to provide access to the junction box
• Plaster frame features include:
  • Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  • Cutouts for easily crimping hanger bars in position
  • Air-Tite aperture gasket is pre-installed
  • Halo identity embossed on plaster frame

Includes:
• Got Nail™ bar hangers (Details Pg. 13)
• Pass-N-Thru™ bars (Details Pg. 13)
• Slide-N-Side™ junction box wire traps (Details Pg. 13)
• Quick Connect™ push wire nuts (Details Pg. 13)
• Air-Tite™ code compliant (Details Pg. 13)

LED Module Connection
Compatible Halo LED modules simply install with a plug-in line voltage wiring connector (UL and CSA Listed Luminaire Disconnect). This non-screw base LED connection preserves the high efficacy rating of the luminaire (see also LED Module specifications).

Compliance
• cULus Listed 1598 luminaire
• cULus Listed for damp location
• cULus Listed for wet location, covered ceiling, with select trims
• cULus Listed for feed through
• cULus Listed for direct contact with insulation and combustible material*
• Use with designated Halo LED systems for ENERGY STAR® certification
• Can be used for State of California Title 24 high efficacy compliance with designated Halo LED lighting systems.
• Can be used for International Energy Conservation Code (IECC) high efficacy compliance with designated Halo LED lighting systems.
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.94 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential

*Not to be used in direct contact with spray foam insulation (consult NEMA LSD57-2013)
H995RICAT

4" IC, Air-Tite, Remodel LED Housing

The Halo H995RICAT is a dedicated LED remodel small aperture IC Air-Tite housing for use with Halo RA4, RL4, LT4 series LED modules and may be used with SLD4 series with the SLD spring kit. It is designed for installation into existing insulated ceilings where it will be in direct contact with insulation*. It is an Air-Tite housing designed to restrict air flow between conditioned spaces and unconditioned areas. The LED connection is non-screw base to preserve the high efficacy rating of the luminaire.

**Features**

**Housing**
- Single wall formed aluminum construction.
- Openings are gasketed for Air-Tite installation.
- 5-1/2'' height allows use in shallow joist construction
- Air-Tite aperture gasket is pre-installed

**Remodel Arm**
Spring steel construction designed for ease of installation and ceiling support

**Remodel Springs**
Four remodel clips secure housing and accommodate 1/2'' and 5/8'' ceiling material

**Includes:**
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

**LED Module Connection**
Compatible Halo LED modules simply install with a plug-in line voltage wiring connector (UL and CSA Listed Luminaire Disconnect). This non-screw base LED connection preserves the high efficacy rating of the luminaire (see also LED Module specifications).

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed for damp location
- cULus Listed for wet location, with select trims

**Special Features**
Slide-N-Side™ junction box
Quick Connect™ push wire nuts
Air-Tite™ code compliant

**Compatible LED Modules**
<table>
<thead>
<tr>
<th>RA4</th>
<th>LA4</th>
<th>BLD4</th>
</tr>
</thead>
<tbody>
<tr>
<td>RL4</td>
<td>RLQ4</td>
<td>ML4</td>
</tr>
<tr>
<td>SLD4</td>
<td>RLDS</td>
<td></td>
</tr>
<tr>
<td>LT4</td>
<td>SMD4</td>
<td></td>
</tr>
</tbody>
</table>

*Not to be used in direct contact with spray foam insulation (consult NEMA LSD57-2013)
LED Recessed Housing
H245ICAT

4" IC, Air-Tite, Ultra-Shallow New Construction LED Housing

The H245ICAT is a 4" aperture ultra-shallow new construction housing for use with LED integrated trims. Suitable for 2x4 residential framing or shallow plenum commercial construction, type IC rated and can be used in direct contact with insulation and is air tight rated. Use with HALO LT4, RL4, RA4, RSQ4, SMD4, SLD4 LED integrated trims and the ML4 LED modular recessed lighting system.

Features

Housing
- Single wall deep drawn aluminum housing painted matte black for a visually dark interior
- Adjusts vertically to accommodate 1/2" to 1-1/4" thick ceilings and locks in position with (3) set screws
- V notches on plaster lip facilitate use of guide strings or laser lines for precise positioning
- Integral gasket provides for airtight compliance
- Shipped with overspray protector installed
- Housing can be removed from below the ceiling for service or splice inspection

Plaster Frame
- Compact galvanized steel plaster frame with integral bar hanger receivers
- Regressed screw provide positive horizontal bar hanger locking from below the ceiling
- Crimp points also provide for horizontal bar hanger locking

Includes:
- Got Nail™ bar hangers (Details Pg. 13)
- Pass-N-Thru™ bars (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

LED Module Connection
Compatible Halo LED modules simply install with a plug-in line voltage wiring connector (UL and CSA Listed Luminaire Disconnect). This non-screw base LED connection preserves the high efficacy rating of the luminaire (see also LED Module specifications).

Compliance
- cULus Listed 1598 luminaire
- cULus Listed for damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- Use with designated Halo LED systems for ENERGY STAR® certification
- Can be used for State of California Title 24 high efficacy compliance with designated Halo LED lighting systems.
- Can be used for International Energy Conservation Code (IECC) high efficacy compliance with designated Halo LED lighting systems.
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential

*Not to be used in direct contact with spray foam insulation (consult NEMA LSD57-2013)
LED Recessed Housing
H245RICAT

H245RICAT
4" IC, Air-Tite, Ultra-Shallow Remodel LED Housing

The H245RICAT is a 4" aperture ultra-shallow remodel housing for use with LED integrated trims. Installs from below the ceiling and suitable for 2x4 residential or shallow plenum commercial construction. Suitable for direct contact with insulation and is air tight rated. Use with HALO LT4, RL4, RA4, RSQ4, SMD4, SLD4 LED integrated trims and the ML4 LED modular recessed lighting system.

Features

Housing
• Die formed aluminum housing can be installed from below the ceiling and accommodate ceilings from 3/8” – 3/4” thick.
• Shipped with paint overspray protector installed.

Mounting Springs
• Captive preinstalled mounting springs retain housing securely in ceiling.
• Housing can be removed for service or splice inspection.

Gasket
• Closed cell gaskets achieve restrictive airflow requirements without additional caulking.

Includes:
• Slide-N-Side™ junction box wire traps (Details Pg. 13)
• Quick Connect™ push wire nuts (Details Pg. 13)
• Air-Tite™ code compliant (Details Pg. 13)

LED Module Connection
Compatible Halo LED modules simply install with a plug-in line voltage wiring connector (UL and CSA Listed Luminaire Disconnect). This non-screw base LED connection preserves the high efficacy rating of the luminaire (see also LED Module specifications).

Compliance
• Type IC inherently protected, suitable for direct contact to air permeable insulation and cULus listed for damp locations.
• Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013.
• Wet location listed in covered ceilings and IP56 certified with select lens trims.
• Airtight per ASTM-E283.
• Can be used for State of California Title 24 high efficacy luminaire compliance with designated integrated LED trims.
• Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.
**H45ICATD010**

4” IC, Air-Tite, Shallow New Construction LED Housing

The H45ICATD010 is a 4” aperture shallow new construction housing for use with LED integrated trims. Installs during electrical rough in 2x6 residential or shallow plenum commercial construction. Suitable for direct contact with insulation and is air tight rated. Use with HALO LT4, RL4, RA4, RSQ4, SMD4, SLD4 LED integrated trims and the ML4 LED modular recessed lighting system.

### Features

#### Housing
- Single wall deep drawn aluminum housing painted matte black for a visually dark interior
- Adjusts vertically to accommodate 1/2” to 1-1/4” thick ceilings and locks in position with (3) set screws
- V notches on plaster lip facilitate use of guide strings or laser lines for precise positioning
- Integral gasket provides for airtight compliance
- Shipped with overspray protector installed
- Housing can be removed from below the ceiling for service or splice inspection

#### Plaster Frame
- Compact galvanized steel plaster frame with integral bar hanger receivers
- Regressed screw provide positive horizontal bar hanger locking from below the ceiling
- Crimp points also provide for horizontal bar hanger locking

### Includes:
- Got Nail™ bar hangers (Details Pg. 13)
- Pass-N-Thru™ bars (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

### LED Module Connection
Compatible Halo LED modules simply install with a plug-in line voltage wiring connector (UL and CSA Listed Luminaire Disconnect). This non-screw base LED connection preserves the high efficacy rating of the luminaire (see also LED Module specifications).

### Compliance
- cULus Listed 1998 luminaire
- cULus Listed for damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- Use with designated Halo LED systems for ENERGY STAR® certification
- Can be used for State of California Title 24 high efficacy compliance with designated Halo LED lighting systems.
- Can be used for International Energy Conservation Code (IECC) high efficacy compliance with designated Halo LED lighting systems.
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential

*Not to be used in direct contact with spray foam insulation (consult NEMA LSD57-2013)
LED Recessed Housing
H45RICATD010

4” IC, Air-Tite, Shallow Remodel LED Housing

The H45RICATD010 is a 4” aperture shallow remodel housing for use with LED integrated trims. Installs from below the ceiling and is suitable for 2x6 residential or shallow plenum commercial construction. Suitable for direct contact with insulation and is air tight rated. Use with HALO LT4, RL4, RA4, RSQ4, SMD4, SLD4 LED integrated trims and the ML4 LED modular recessed lighting system.

Features

Housing
- Die formed aluminum housing can be installed from below the ceiling
- Accommodate ceilings from 3/8” to 1-1/4” thick
- Shipped with paint overspray protector installed

Mounting Springs
- Captive preinstalled mounting springs retain housing securely in ceiling.
- Housing can be removed for service or splice inspection.

Gasket
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking.

Includes:
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

LED Module Connection
- Two-conductor wire mount connector is rated for 120-277V and mates with Halo® LT4, RL4, RA4 and ML4 family of LED integrated trims.
- CAUTION: verify LED module input voltage is compatible with the input voltage of the housing. If uncertain, consult a qualified electrician
- Separate two-conductor wire mount connector for 0 – 10V low voltage control

Compliance
- Type IC inherently protected, suitable for direct contact to air permeable insulation and cULus listed for damp locations.
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013.
- Wet location listed in covered ceilings and IP56 certified with select lens trims.
- Airtight per ASTM-E283.
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- Contains no mercury or lead and RoHS compliant
- Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JA8 High Efficacy Lighting

Compatible LED Modules

| RA4 | LA4 | BLD4 |
| RL4 | RSQ4 | ML4 |
| SLD4 | RLD4 |
| LT4 | SMD4 |

H45RICATD010

Special Features

- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant
H550ICAT

5” IC, Air-Tite, New Construction, LED Housing

The H550ICAT is a dedicated LED new construction housing to be used with compatible Halo LED modules and trims. The H550ICAT is designed for insulated ceilings and can be in direct contact with ceiling insulation*. This Air-Tite housing design restricts airflow between conditioned spaces and unconditioned areas. The H550ICAT connector system provides high efficacy code compliance when used with a compatible Halo LED lighting systems.

**Features**

**Housing**
- Single wall aluminum housing
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)

**Plaster Frame**
- Galvanized steel die-formed construction
- Housing adjusts in plaster frame to accommodate up to 1-3/8” ceiling thickness
- Plaster frame features include:
  - Patent regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Air-Tite™ aperture gasket is pre-installed
  - Halo identity embossed on plaster frame

**Includes:**
- Got Nail™ bar hangers (Details Pg. 13)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

**LED Module Connection**
- Halo LED modules install with a plug-in 120V-277V rated line voltage wiring connector (UL and CSA Listed luminaire disconnect)
- This non-screw base connection preserves the high efficacy rating and prevents use of low efficacy sources (see LED module specifications)
- LED connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed for feed through
- cULus Listed for damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code complaint, Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- Rated for 20W maximum
- Use with designated HALO LED systems for ENERGY STAR® certification
- Can be used for State of California Title 24 high efficacy compliance with Title 20 Certified Halo LED
- Can be used for International Energy Conservation Code (IECC) high efficacy compliance with designated Halo LED modules and trims
- Refer to specification sheets online for additional compliance information
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

**Compatible LED Lighting Systems**

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<thead>
<tr>
<th>LED Module</th>
<th>MLA56 with 59x Series</th>
<th>SL06</th>
<th>MD6</th>
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<tbody>
<tr>
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<td>MLA56</td>
<td>SLD6</td>
<td>MD6</td>
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<tr>
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</tr>
<tr>
<td>LT56</td>
<td>SM06</td>
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</tr>
</tbody>
</table>

**Special Features**
- Got Nail™ bar hangers
- q-Channel bars with Pass-N-Thru™
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant
LED Recessed Housing
H550RICAT

H550RICAT
5” IC, Air-Tite, Remodel, LED Housing

The H550RICAT is a dedicated LED remodel housing to be used with compatible Halo LED modules and trims. The H550RICAT is designed for remodel applications in insulated ceilings and can be in direct contact with ceiling insulation*. This Air-Tite housing design restricts airflow between conditioned spaces and unconditioned areas. The H550RICAT LED connector system provides high efficacy code compliance when used with compatible Halo LED lighting systems.

Features

Housing
• Single wall aluminum housing
• Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
• For installation from below the finished ceiling, integral flange secures fixture against ceiling
• Halo identity embossed on can top

Junction Box
• Seven 1/2” trade size conduit knockouts with true pry-out slots
• Four type non-metallic (NM) cable pry-outs simplify installation

Includes:
• Quick Connect™ push wire nuts (Details Pg. 13)
• Air-Tite™ code compliant (Details Pg. 13)

Remodel Springs
Four remodel clips secure housing and accommodate 1/2” and 5/8” ceiling material

LED Module Connection
• Halo LED modules install with a plug-in 120V-277V rated line voltage wiring connector (UL and CSA Listed luminaire disconnect)
• This non-screw base connection preserves the high efficacy rating and prevents use of low efficacy sources (See LED module specifications)
• LED connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

Compliance
• cULus Listed 1598 luminaire
• cULus Listed for feed through
• cULus Listed for damp location
• cULus Listed for wet location with select trims
• cULus Listed for direct contact with insulation and combustible material* 
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.

• Rated for 20W maximum
• Use with designated HALO LED systems for ENERGY STAR® certification
• Can be used for State of California Title 24 high efficacy compliance with Title 20 Certified Halo LED
• Can be used for International Energy Conservation Code (IECC) high efficacy compliance with designated Halo LED modules and trims
• Refer to specification sheets online for additional compliance information
• RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
LED Recessed Housing
H750ICAT

6" ICAT, Air-Tite, New Construction, LED Housing

The H750ICAT is a LED new construction housing to be used with compatible Halo LED modules and trims. The H750ICAT is designed for insulated ceilings and can be in direct contact with ceiling insulation*. The Air-Tite™ housing design restricts airflow between conditioned spaces and unconditioned areas. The H750ICAT connector system provides high efficacy code compliance when used with a Halo LED lighting systems.

Features

H750ICAT

Housing
• Single wall aluminum housing
• Openings are gasketed for Air-Tite™ ready installation
• Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)

Plaster Frame
• Galvanized steel die-formed construction
• Housing adjusts in plaster frame to accommodate up to 1" ceiling thickness
• Plaster frame features include:
  • Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  • Cutouts for easily crimping hanger bars in position
  • Air-Tite™ aperture gasket is pre-installed
  • Halo identity embossed on plaster frame

Includes:
• Got Nail!™ bar hangers (Details Pg. 13)
• q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
• Slide-N-Side™ junction box wire traps (Details Pg. 13)
• Quick Connect™ push wire nuts (Details Pg. 13)
• Air-Tite™ code compliant (Details Pg. 13)

LED Module Connection
• Halo LED modules install with a plug-in 120V-277V rated line voltage wiring connector (UL and CSA Listed luminaire disconnect)
• This non-screw base connection preserves the high efficacy rating and prevents use of low efficacy sources (See LED module specifications)

Application Note
LED connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

Compliance
• cULus Listed 1598 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• cULus Listed for feed through
• cULus Listed for direct contact with insulation and combustible material*
• CE Marking - "Conformité Européenne" conformity with the Council of European Communities Directives, meeting internationally recognized compliance with used with ML56 series LED modules
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential (with ceiling gasket GA-ATH7-6PK or caulk)
• Rated for 20W maximum
• Use with designated Halo LED systems for ENERGY STAR® certification
• Can be used for State of California Title 24 high efficacy compliance with Title 20 Certified Halo LED
• Can be used for International Energy Conservation Code (IECC) high efficacy compliance with designated LED modules and trims
• Refer to LED module specification sheets online for additional compliance information
• RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

Special Features
Got Nail!™ bar hangers
q-Channel bars with Pass-N-Thru™
Slide-N-Side™ junction box
Quick Connect™ push wire nuts
Air-Tite™ code compliant

Compatible LED Modules & Trims
ML56 with 69x series trims
SLD6
RL56
RLD6
RSQ6
BLD6
LA56
LT66
SMD6

7-3/8" [187mm]
7-1/2" [191mm]
1/2" [13mm]
10 1/2" [267mm]
6-1/2" [165mm]
Ceiling opening
Ceiling opening
### LED Recessed Housing

**H750RICAT**

6" ICAT, Air-Tite, Remodel, LED Housing

The H750RICAT is a LED remodel housing to be used with compatible Halo LED modules and trims. The H750RICAT is designed for remodel applications in insulated ceilings and can be in direct contact with ceiling insulation*. The Air-Tite™ housing design restricts airflow between conditioned spaces and unconditioned areas. The H750RICAT LED connector system provides high efficacy code compliance when used with compatible Halo LED lighting systems.

### Features

**Housing**
- Single wall aluminum housing
- Openings are gasketed for Air-Tite™
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
- For installation from below the finished ceiling.
- Halo identity embossed on can top

**Remodel Springs**
Four remodel clips secure housing and accommodate 1/2" and 5/8" ceiling material

**Includes:**
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

### LED Module Connection

- Halo LED modules install with a plug-in 120V-277V rated line voltage wiring connector [UL and CSA Listed luminaire disconnect]
- This non-screw base connection preserves the high efficacy rating and prevents use of low efficacy sources (See LED module specifications)

### Application Note

LED connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

### Compliance

- cULus Listed 1508 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*

- CE Marking - "Conformité Européene" conformity with the Council of European Communities Directives, meeting internationally recognized compliance with used with ML56 series LED modules
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- Rated for 20W maximum
- Use with designated Halo LED systems for ENERGY STAR® certification
- Can be used for State of California Title 24 high efficacy compliance with Title 20 Certified Halo LED
- Can be used for International Energy Conservation Code (IECC) high efficacy compliance with designated LED modules and trims
- Refer to LED module specification sheets online for additional compliance information
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

### Special Features

- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

### Compatible LED Modules & Trims

<table>
<thead>
<tr>
<th>LED Module</th>
<th>Trims</th>
</tr>
</thead>
<tbody>
<tr>
<td>ML56 with Bx series</td>
<td>RLD6, RLD6B</td>
</tr>
<tr>
<td>SLD6</td>
<td>RL6, RSQ6</td>
</tr>
<tr>
<td>RL56</td>
<td>BLD6</td>
</tr>
<tr>
<td>RA56</td>
<td>SM26</td>
</tr>
<tr>
<td>LT56</td>
<td>SMD6</td>
</tr>
<tr>
<td>LA56</td>
<td></td>
</tr>
</tbody>
</table>

*Specifications, compliances and dimensions subject to change without notice*
H750T

6" Non-IC, New Construction, LED Housing

The H750T is a LED new construction housing to be used with compatible Halo LED modules and trims. The H750T is designed for non-insulated ceilings. If insulation is present it must be kept three inches from all sides of the housing. The H750T LED connector system provides high efficacy code compliance when used with compatible Halo LED lighting systems.

Features

Housing
• Single wall aluminum housing with white semi-gloss paint finish

Plaster Frame
• Galvanized steel die-formed construction
• Housing adjusts in plaster frame to accommodate up to 1" ceiling thickness
• Plaster frame features include:
  • Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  • Cutouts for easily crimping hanger bars in position
  • Air-Tite™ aperture gasket is pre-installed
  • Halo identity embossed on plaster frame

Includes:
• Got Nail!!™ bar hangers (Details Pg. 13)
• q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
• Slide-N-Side™ junction box wire traps (Details Pg. 13)
• Quick Connect™ push wire nuts (Details Pg. 13)

LED Module Connection
• Halo LED modules install with a plug-in 120V-277V rated line voltage wiring connector (UL and CSA Listed luminaire disconnect)
• This non-screw base connection preserves the high efficacy rating and prevents use of low efficacy sources (See LED module specifications)

Application Note
LED connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

Compliance
• cULus Listed 1598 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• cULus Listed for feed through

Special Features
Got Nail!!™ bar hangers
q-Channel bars with Pass-N-Thru™
Slide-N-Side™ junction box
Quick Connect™ push wire nuts

Compatible LED Modules & Trims
ML56 with 69x series trims
SLD6
RL56
RSQ6
RA56
BLD6
LT56
LA56

H750T

6" Non-IC, New Construction, LED Housing

The H750T is a LED new construction housing to be used with compatible Halo LED modules and trims. The H750T is designed for non-insulated ceilings. If insulation is present it must be kept three inches from all sides of the housing. The H750T LED connector system provides high efficacy code compliance when used with compatible Halo LED lighting systems.
LED Recessed Housing
H750TCP

6" Non-IC, New Construction or Remodel, Chicago Plenum, LED Housing

The H750TCP is a LED new construction/remodel Non-IC housing to be used with compatible Halo LED modules and trims. The H750TCP is designed for Chicago Plenum ceilings. Insulation must be kept a minimum of 3" from all sides of housing. The H750TCP LED connector system provides high efficacy code compliance when used with compatible Halo LED lighting systems.

Features

Housing
- Single wall aluminum housing with white semi-gloss paint finish
- Constructed and gasketed to meet Chicago CCEA requirements

Plaster Frame
- "Boat shaped" plaster frame design for new construction or remodel in existing ceilings
- Galvanized steel die-formed construction
- Housing adjusts in plaster frame to accommodate up to 1" ceiling thickness

Bar Hangers
- Bar hangers overlap for housing adjustment within joist spans
- Crimp tabs on plaster frame lock bars into position
- Optional TB-7 T-bar clips secure bar hangers to suspended grid ceilings

Junction Box
- Positioned to accommodate straight conduit runs
- Seven 1/2" trade size conduit knockouts with true pry-out slots

Includes:
- Quick Connect™ push wire nuts (Details Pg. 13)

LED Module Connection
- Halo LED modules install with a plug-in 120V-277V rated line voltage wiring connector (UL and CSA Listed luminaire disconnect)
- This non-screw base connection preserves the high efficacy rating and prevents use of low efficacy sources (see LED module specifications)

Application Note
LED connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

Special Features

Compatible LED Modules & Trims

<table>
<thead>
<tr>
<th>Quick Connect™ push wire nuts</th>
<th>MLS6 with 8x series trims</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SLD6</td>
</tr>
<tr>
<td></td>
<td>RL56</td>
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<td></td>
<td>RA56</td>
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<tr>
<td></td>
<td>LT56</td>
</tr>
<tr>
<td></td>
<td>LA56</td>
</tr>
</tbody>
</table>

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- Rated for 20W maximum
- Use with designated Halo LED systems for ENERGY STAR® certification
- Can be used for International Energy Conservation Code (IECC) high efficacy compliance with designated LED modules and trims
- City of Chicago Plenum construction
- Refer to LED module specification sheets online for additional compliance information
LED Recessed Housing
E750ICAT

E750ICAT
6" IC, New Construction, LED Housing

Recessed 6" aperture new construction housing for use with LED integrated trims or modules. Suitable for 2x8 residential framing or commercial plenum construction, type IC rated and can be used in direct contact with insulation. Airtight rating reduces airflow between living spaces and unconditioned areas providing additional energy savings. Use with Halo LT56, SMD6, RL56, RA56, SLD6 LED integrated trims and the ML56 LED modular recessed lighting system.

Features

Housing
- Single wall precision rolled aluminum housing with interlocking construction maintains concentricity
- Adjusts vertically to accommodate 3/8" to 1" thick ceilings and locks in position with (3) setscrews
- V notches facilitate use of guide strings or laser lines for precise positioning
- Shipped with paint overspray protector installed
- Housing can be removed from below the ceiling for service or splice inspection

Plaster Frame
- Compact galvanized steel plaster frame with integral bar hanger receivers
- (2) regressed screws provide positive horizontal bar hanger locking from below the ceiling
- Integral gasket achieves ASTM-E283 airtight code compliance without additional gaskets or caulk

Junction Box
- Compact galvanized steel junction box with 16in³ internal volume
- Listed for (10) #12 or (14) #14 AWG 90° C splice conductors
- (4) ½” conduit pry-outs positioned to allow straight conduit runs
- (3) Slide-N-Side™ non-metallic (NM) wire traps allows wiring outside the box
- Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
- Hinged door with offset cover for easy wire access
- Junction box is repositionable 90° on plaster frame to avoid obstructions

Bar Hangers
- Captive preinstalled All-Nail™ bar hangers support housing at any point along span
- Pass-N-Thru™ feature adjust bars from 7-1/4" to 24" wide without removal
- Score lines allow "tool-less" shortening for 12” joists
- Captive nail penetrates standard and engineered lumber
- Leveling flange aligns plaster frame with framing
- Integral clip attaches directly to tee-bar

Connector
- Two-conductor wire mount connector is rated for 120-277V. CAUTION – verify LED module input voltage is compatible with the input voltage of the housing. If uncertain, consult a qualified electrician
- cULus listed with Halo® LT56, SMD6, RL56, RA56, SLD6 and ML56 family of LED integrated trims

Compliance
- Type IC inherently protected, suitable for direct contact to air permeable insulation and cULus listed for damp locations
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013
- Wet location listed in covered ceilings and IP56 certified with select trims
- Airtight per ASTM-E283
- Can be used for State of California Title 24 high efficacy luminaire compliance
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- Contains no mercury or lead and RoHS compliant

Special Features
- Got Nail!™ bar hangers
- q-Channel bars with Pass-N-Thru™
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts

Compatible LED Modules & Trims

<table>
<thead>
<tr>
<th>LT56</th>
<th>RSQ6</th>
<th>RL56</th>
<th>SLD6</th>
<th>RA56</th>
<th>SMD6</th>
<th>ML56 modular lighting system</th>
</tr>
</thead>
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</tr>
</tbody>
</table>

6" IC, New Construction, LED Housing

Recessed 6" aperture new construction housing for use with LED integrated trims or modules. Suitable for 2x8 residential framing or commercial plenum construction, type IC rated and can be used in direct contact with insulation. Airtight rating reduces airflow between living spaces and unconditioned areas providing additional energy savings. Use with Halo LT56, SMD6, RL56, RA56, SLD6 LED integrated trims and the ML56 LED modular recessed lighting system.
LED Recessed Housing
E750RICAT

6” IC, Remodel, LED Housing

Recessed 6” aperture install from below remodeler type housing for use with LED integrated trims or modules. Suitable for 2x8 residential framing or commercial plenum construction, type IC rated and can be used in direct contact with insulation*. Airtight rating reduces airflow between living spaces and unconditioned areas providing additional energy savings. Use with Halo® LT56, SMD6, RL56, RA56, SLD6 LED integrated trims and the ML56 LED modular recessed lighting system.

Features

Housing
- Single wall precision rolled aluminum housing maintains concentricity
- Mounting flange secures housing to building structure for below the ceiling installation
- Integral gasket achieves ASTM-E283 airtight code compliance without additional gaskets or caulk
- Shipped with overspray protector installed

Speed Clamps
- (2) exclusive speed clamps adjusts to accommodate 3/8” to 2” thick ceilings
- Combination hex, slot and Philips drive screws actuate clamps and speed installation
- Clamps can be loosened from below the ceiling for repositioning or splice inspection

Junction Box
- Integral compact galvanized steel junction box with 10in³ internal volume is attached directly to housing to clear obstructions and fit in tight spaces
- Listed for (6) #12 or (8) #14 AWG 90° C splice conductors
- (3) ½” conduit pry-outs positioned to allow straight conduit runs
- (2) Slide-N-Side™ non-metallic (NM) wire traps allows wiring outside the box
- Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
- Rotatable wiring tray holds wire nuts captive for one-handed wire termination
- (3) 4-port push wire nuts with clear caps are color coded for quick and reliable mains voltage connections
- Junction box is repositionable 90° on plaster frame to avoid obstructions
- Hinged door for easy wire access

Connector
- Two-conductor wire mount connector is rated for 120-277V. CAUTION – verify LED module input voltage is compatible with the input voltage of the housing. If uncertain, consult a qualified electrician
- cULus listed with Halo® LT56, SMD6, RL56, RA56, SLD6 and ML56 family of LED integrated trims

Compliance
- Type IC inherently protected, suitable for direct contact to air permeable insulation and cULus listed for damp locations
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013
- Wet location listed in covered ceilings and IP56 certified with select trims
- Airtight per ASTM-E283
- Can be used for State of California Title 24 high efficacy luminaire compliance
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- Contains no mercury or lead and RoHS compliant

Compatible LED Modules & Trims

<table>
<thead>
<tr>
<th>LT56</th>
<th>RSQ6</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA56</td>
<td>SLD6</td>
</tr>
<tr>
<td>RL56</td>
<td>SMD6</td>
</tr>
<tr>
<td>RA56</td>
<td></td>
</tr>
</tbody>
</table>

ML56 modular lighting system

Special Features

Quick Connect™ push wire nuts
LT4

4” LED Retrofit Module

The Halo LT4 is an LED baffle-trim module for 4” aperture recessed downlights; suitable for new construction, remodel and retrofit installation. The LT4 is UL Certified for use with Halo, and other compatible 4” housings. Precision construction makes any housing Air-Tite for added HVAC savings and code compliance.

Features

Mechanical - Module
Module construction includes LED, heat sink, reflector, lens, baffle and trim ring

Lens
• Regressed lens
• Polycarbonate
• Diffusing for even illumination

Mounting
Friction clips are pre-installed and adjust to fit 4” compatible housings

LED
• Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, 4000K, 5000K
• Color Rendering Index (CRI): 90 (R9 > 50)
• Lumen maintenance L70 at 35,000 hours
• 600 nominal lumen

LED Chromaticity
• LED chromaticity of 4 SDCM exceeds ENERGY STAR® color standards per ANSI C78.377-2008

Electrical Power Connections

• LED connector is a non-screw base luminaire disconnect offering easy installation with the matching Halo 4” LED housings
• LED connector meets California Title 24 high efficacy luminaire requirement for a non-screw base socket, and where required to qualify as a high efficacy luminaire
• The included E26 medium screw base Edison adapter provides easy retrofit of incandescent housings (See housing compatibility)

Ground Connection
Separate grounding cable included on the module for attachment to the housing during installation

LED Driver
• 120V 50/60 Hz constant current dimmable driver provides high-efficiency operation
• If dimming is not required the fixture can be operated from a standard wall switch

Dimming
• Designed for continuous dimming capability to nominally 10% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers (Dimmers with low end trim adjustment offer greater assurance of achieving 10% level)
• Consult dimmer manufacturer for compatibility and conditions of use (Note, some dimmers require a neutral in the wallbox)

Compliance
• UL Certified for US and Canada
• UL Certified (with other housings) see specifications
• UL Certified for damp location
• UL Certified for wet location, covered ceiling – (shower rated)
• IP56 Ingress Protection rated
• May be installed in housings in direct contact with insulation* and combustible material
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
• 90 CR (R9 > 50); Can be used to comply with California Title 24 high efficacy requirements. Title 20 Certified for residential compliance.
• Can be used for International Energy Conservation Code (IECC) high efficiency luminaire compliance
• ENERGY STAR® certified downlight retrofit
• EM/RFI per FCC 47CFR Part 15 Class B consumer limits, suitable for use in residential and commercial
• Contains no mercury or lead and RoHS compliant
• Photometric testing in accordance with IES LM-79
• Lumen maintenance projections in accordance with IES LM-80 and TM-21
• Can be used in closets. Compliant with NFPA 70, NEC section 410.16 (A)(1) and 410.16 (C)(3)

*Not to be used in housings in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

LT4 Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Finish</th>
<th>Lumen</th>
<th>CRI / CCT</th>
<th>Accessory (Order Separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT460 = 4” Retrofit baffle</td>
<td>WH = matte white baffle</td>
<td>6 = 600 lumen nominal</td>
<td>927 = 90CRI, 2700K</td>
<td>HE26LED = Replacement screw base adapter (one included with unit)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>930 = 90CRI, 3000K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>935 = 90CRI, 3500K</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>940 = 90CRI, 4000K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>950 = 90CRI, 5000K</td>
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</tbody>
</table>

LT4 Energy Data

<table>
<thead>
<tr>
<th>Input Voltage: 120V</th>
<th>Input Current: 0.069A</th>
<th>Input Power: 8.0W</th>
</tr>
</thead>
<tbody>
<tr>
<td>THD: ≤ 24%</td>
<td>Power Factor: ≥ 0.90</td>
<td>T Ambient: -30°C to +40°C</td>
</tr>
<tr>
<td></td>
<td>Sound Rating: Class A</td>
<td>(all values at 25°C without a dimming control in circuit)</td>
</tr>
</tbody>
</table>
LT560

5”/6” LED Retrofit Module – 5 Inch Application

The Halo LT560 is an LED baffle-trim module for 5” and 6” aperture recessed downlights; suitable for new construction, remodel and retrofit installation. The LT560 is UL Certified for use with Halo and other compatible 5” and 6” housings. Precision construction makes any housing Air-Tite for added HVAC savings and code compliance.

Features

Mechanical - Module
Module construction includes LED, heat sink, reflector, lens, baffle and trim ring

Lens
• Regressed lens
• Polycarbonate
• Diffusing for even illumination

Mounting
Torsion springs are pre-installed and adjust to fit 5” and 6” compatible housings

LED
• Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, 4000K, and 5000K
• Color Rendering Index (CRI): 90
• 680 nominal lumen
• Lumen maintenance L70 at 35,000 hours

LED Chromaticity
• A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
• LED chromaticity of 4 SDCM exceeds ENERGY STAR® color standards per ANSI C78.377-2008
• 90 CRI features high color performance with R9 > 50
• Halo LED serialized testing and measurement ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time

Electrical Power Connections
• LED connector is a non-screw base luminaire disconnect offering easy installation with the matching Halo 5” and 6” LED housings
• LED connector meets California Title 24 high efficacy luminaire requirement for a non-screw base socket, and where required to qualify as a high efficacy luminaire
• The included E26 medium screw base Edison adapter provides easy retrofit of incandescent housings (see specifications online for housing compatibility)

Ground Connection
Separate grounding cable included on the module for attachment to the housing during installation

LED Driver
• 120V 50/60 Hz constant current dimmable driver provides high efficiency operation
• If dimming is not required the fixture can be operated from a standard wall switch

Dimming
• Designed for continuous dimming capability to nominally 10% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimmers with low end trim adjustment offer greater assurance of achieving 10% level.
• Consult dimmer manufacturer for compatibility and conditions of use
• Note, some dimmers require a neutral in the wallbox

Compliance
• UL Certified for US and Canada
• UL Certified (with other housings) see specifications online for housing compatibility
• UL Certified for damp location
• UL Certified for wet location, covered ceiling – (Shower Rated)
• IP56 Ingress Protection rated
• May be installed in housings in direct contact with insulation* and combustible material
• Air-Tite code compliant, Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential. 90 CRI (R9 > 50) can be used to comply with California Title 24 high efficacy requirements. California Title 20 Certified for residential compliance.
• Can be used for International Energy Conservation Code (IECC) high efficiency luminaire compliance
• ENERGY STAR® certified downlight retrofit
• EMI/RFI per FCC 47CFR Part 15 Class B
• Can be used in closets. Compliant with NFPA 70, NEC section 410.16 (A)(1) and 410.16 (C)(3).

LT560 Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Finish</th>
<th>Lumen</th>
<th>CRI / CCT</th>
<th>Accessory (Order Separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT560 = 5”/6” Retrofit baffle</td>
<td>WH - matte white baffle</td>
<td>6 = 600 lumen nominal</td>
<td>927 = 90CRI, 2700K</td>
<td>HE26LED = Replacement screw base adapter (one included with unit)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12 = 1200 lumen nominal</td>
<td>930 = 90CRI, 3000K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>935 = 90CRI, 3500K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>940 = 90CRI, 4000K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>950 = 90CRI, 5000K</td>
<td></td>
</tr>
</tbody>
</table>

*Not to be used in housings in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

Specifications, compliances and dimensions subject to change without notice

HALO Halo Recessed Catalog - LED Recessed Downlighting 55
LA4

4” LED All-Purpose Adjustable Gimbal

The Halo LA4 LED Adjustable Downlight series are adjustable LED Modules for 4” aperture recessed downlights. The LA4 gimbals feature adjustment of 35-degree tilt and up to 360-degree rotation. The lens provides uniform illumination and wet location listing. Precision construction makes any housing AIR-TITE for added savings and code compliance.

Features

Mechanical - Module
- Module construction includes LED Array, heat sink, reflector, lens, baffle and trim ring.
- Heat sink designed to conduct heat away from the LED Array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments.

Lens
- Regressed lens
- Impact-resistant polycarbonate
- Diffusing for even illumination

LED Array
- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 80 CRI minimum, R9 greater than 50.
- Color accuracy within ±3 SDCM provide color accuracy and uniformity.
- Color Temperatures (CCT) available in 2700K, 3000K, 3500K, 4000K, or 5000K.

Optical Assembly
- Regressed lens
- Impact-resistant polycarbonate
- Diffuse for even illumination

Driver
- Integral 120V 60 Hz constant current driver provides noise free operation.
- Continuous, flicker-free dimming from 100% to 10%.
- Inline electrical quick connect and E26 adapter (provided) provides mains connections.
- Consult instruction sheets and for more information

Retention
- Push-N-Twist universal installation clips
- Clips are pre-installed and designed to fit 4” compatible recessed housings

Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
- UL Certified
- Wet and Damp location listed.
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JAB-2016-E.
- Can be used International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings.
- LA4 Energy Data
  - Input Voltage: 120V
  - Input Current: 74 mA
  - Input Power: 8.6W
  - THD: ≤ 20%
  - Power Factor: ≥ 0.90
  - T Ambient: -30°C to +40°C
  - Sound Rating: ≤ 22dba

LA4 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Accessory (Order Separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA4 = 4” LED Adjustable Gimbal</td>
<td>06 = 600 lumen (nominal)</td>
<td>927-900CRI, 2700K</td>
<td>1E = 120V 60Hz leading or trailing edge phase cut 10% dimming</td>
<td>WH = matte white baffle</td>
<td>HE26LED = Replacement screw base adapter (one included with unit)</td>
</tr>
</tbody>
</table>
LED Recessed
LA56 Series

LA56
5”/6” LED All-Purpose Adjustable Gimbal
The Halo LA56 LED Adjustable Downlight series are adjustable LED Modules for 5” or 6” aperture recessed downlights. The LA56 gimbals feature adjustment of 35-degree tilt and up to 360-degree rotation. The lens provides uniform illumination and wet location listing. Precision construction makes any housing AIR-TITE for added savings and code compliance.

Features
Mechanical - Module
- Module construction includes LED Array, heat sink, reflector, lens, baffle and trim ring.
- Heat sink designed to conduct heat away from the LED Array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments

Lens
- Regressed lens
- Impact-resistant polycarbonate
- Diffusing for even illumination

LED Array
- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy within 3 SDCM provide color accuracy and uniformity.
- Color Temperatures (CCT) available in 2700K, 3000K, 3500K, 4000K, or 5000K

Optical Assembly
- Regressed lens
- Impact-resistant polycarbonate
- Diffuse for even illumination

Driver
- Integral 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 10%
- Inline electrical quick connect and E26 adapter (provided) provides mains connections
- Consult instruction sheets for more information

Retention
- Torsion springs are pre-installed and adjust to fit 5” or 6” compatible housings

Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
- UL Certified
- Wet and Damp location listed.
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JA8: 2016-E.
- Can be used International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings

LA56 Energy Data
- Input Voltage: 120V
- Input Current: 74 (mA)
- Input Power: 8.6W
- THD: ≤ 20%
- Power Factor: ≥ 0.90
- T Ambient: -30°C to +40°C
- Sound Rating: ≤ 22dba

LA56 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Accessory (Order Separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA56 = 5”/6” LED Adjustable Gimbal</td>
<td>06 = 600 lumen (nominal)</td>
<td>927 = 90CRI, 2700K</td>
<td>1E = 120V 60Hz leading or trailing edge phase cut 10% dimming</td>
<td>WH = matte white baffle</td>
<td>HE26LED = Replacement screw base adapter (one included with unit)</td>
</tr>
</tbody>
</table>

LA56 Series Ordering Information

Specifications, compliances and dimensions subject to change without notice
LED Recessed
RL4 - 600 & 900SeleCCTable Series

RL4

4” LED All-Purpose Retrofit Module withSeleCCTable switch

The Halo RL4 SeleCCTable™ is a complete LED Baffle-Trim Module for 4-inch aperture recessed downlights; suitable for new construction, remodel and retrofit installation. Using the CCT selectable switch users can chose between five different color temperatures. The lens provides uniform illumination and wet location listing. Precision construction makes any housing AIR-TITE for added savings and code compliance.

Features

CCT Select System
• Use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT.

Module - Trim
• Module construction includes LED array, heat sink, reflector, lens, baffle and trim ring.
• Regressed baffle
• Heat sink designed to conduct heat away from the LED array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments.

LED Array
• Mid power LED array provides a uniform source with high efficiency and no pixilation.
• 90 CRI minimum, R9 greater than 50
• Color accuracy at 4 SDCM in between endpoints, provide color accuracy and uniformity.
• Color Temperature (CCT) has a selectable range from 2700K to 5000K (factory default 3000K)

Optical Assembly
• Regressed lens
• Impact-resistant polycarbonate
• Convex form and lamp-like appearance
• Diffuse for even illumination

Driver
• Integral 120V 60 Hz constant current driver provides noise free operation
• Continuous, flicker-free dimming from 100% to 5%.

Retention
• Push-N-Twist universal installation clips
• Clips are pre-installed and designed to fit 4” compatible recessed housings

Designer Trims (Sold Separately)
RL4 skins are accessory rings that attach to the RL4 for a permanent finish. Refer to the RL4 accessories specification sheet for details.
• White (Paintable)
• Satin Nickel
• Tuscan Bronze

Gaskets
• Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
• UL Certified
• Wet and Damp location listed
• Airtight certified per ASTM-E283
• Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
• EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
• Contains no mercury or lead and RoHS compliant
• Photometric testing in accordance with IES LM-79-08

Photometric Testing:
• Photometric testing in accordance with IES LM-79-08
• Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
• Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JA8-2016-E.
• Can be used International Energy Conservation Code (IECC) high efficiency luminaire compliance.
• ENERGY STAR® listed, reference database for current listings

RL4 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Accessory (Order Separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RL4 4” All-Purpose Retrofit LED Module</td>
<td>06 = 600 lumens (nominal)</td>
<td>90 = 900 lumens (nominal)</td>
<td>9S = 90 CRI minimum, white tuning, selectable CCT 2700K-5000K</td>
<td>1E = 120V 60Hz leading or trailing edge phase cut 1% dimming</td>
<td>1W = matte white baffle</td>
</tr>
</tbody>
</table>
**LED Recessed**

### RL4 Series

#### RL4

4” LED All-Purpose Retrofit Module

The Halo RL4 series is a retrofit LED baffle-trim module for 4” aperture recessed downlights. The RL4 is designed for use with compatible 4” housings. The RL4 integral LED driver is dimmable at 120 volts. The RL4 lens provides uniform illumination and wet location listing. Precision construction makes any housing Air-Tite for added HVAC savings and code compliance.

**Features**

- **Mechanical Module - Trim**
  - Module construction includes LED, heat sink, reflector, lens, baffle and trim ring
  - Durable aluminum construction
  - Regressed baffle
  - Heat sink designed to conduct heat away from the LED keeping the junction temperatures below specified maximums, even in insulated ceilings

- **Designer Trims (Sold Separately)**
  - RL4 designer trims are accessories
  - White (paintable)
  - Satin nickel
  - Tuscan bronze

- **Lens**
  - Regressed lens
  - Impact-resistant polycarbonate
  - Convex form for lamp-like appearance
  - High lumen transmission
  - Diffusing for even illumination

- **Mounting**
  - Push-N-Twist universal installation clips
  - Clips are pre-installed and designed to fit 4” compatible recessed housings

- **LED**
  - Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, 4000K, and 5000K
  - Color Rendering Index (CRI): 90 CRI
  - LED is a chip on board design consisting of a multiple LED package with proximity phosphor coating to create one nominal lumen, range dependent on CCT and CRI
  - Lumen maintenance L70 at 50,000 hours

- **LED Driver**
  - With the latest “driver-on-board” electronic technology, the driver is integrated in the module
  - Integral to the housing, 120V 50/60 Hz current dimmable driver provides high-efficiency operation
  - Driver meets FCC 47CFR Part 15 EMI/RFI consumer limits for use in residential and commercial installations
  - Driver features high power factor and low THD and has integral thermal protection in the event of over temperature or internal failure
  - If dimming is not required the fixture can be operated from a standard wall switch

- **Electrical Power Connections**
  - LED connector is a non-screw base luminaire disconnect offering easy installation with the matching Halo H995 series housings
  - LED Connector meets California Title 24 high efficacy luminaire requirement for a non-screw base socket, and to qualify as a high efficacy luminaire
  - The included E26 medium screw base Edison adapter provides easy retrofit of incandescent housings
  - Separate grounding cable included on the RL4 module for attachment to the housing during installation

- **Dimming**
  - Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers (Dimmers with low end trim adjustment offer greater assurance of achieving 5% level)
  - Consult dimmer manufacturer for compatibility and conditions of use (Note some dimmers require a neutral in the wallbox)

- **Compliance**
  - UL Certified for US and Canada
  - UL Certified for damp location
  - UL Certified for wet location, covered ceiling, shower rated
  - IP65 Ingress Protection rated
  - May be installed in IC rated housings in direct contact with insulation** and combustible material
  - Air-Tite certified per ASTM E283 not exceeding 2.0 CFM under 1.57psf (75 Pascals) pressure difference
  - 90 CRI (R9 > 50) can be used to comply with California Title 24 high efficacy requirements. Title 20 Certified for residential compliance.
  - 80 CRI can be used to comply with California Title 24 non-residential lighting controls requirements as a LED luminaire
  - Can be used for International Energy Conservation Code (IECC) high efficiency luminaire compliance
  - ENERGY STAR® certified downlight retrofit eligible
  - EMI/RFI per FCC 47CFR Part 15 Class B consumer limits, suitable for use in residential and commercial
  - Contains no mercury or lead and RoHS compliant
  - Photometric testing in accordance with IES LM-79
  - Lumen maintenance projections in accordance with IES LM-80
  - Suitable for use in closets. Compliant with NFPA 70, NEC Sec. 410.16 (A)(1) and 410.18 (C)(3)

**RL4 Energy Data**

**RL4 Series (Values at non-dimming line voltage)**

- **Minimum Starting Temp:** -30°C (-22°F)
- **EMI/RFI:** FCC Title 47 CFR, Part 15, Class B (Consumer)
- **Sound Rating:** Class A
- **Input Voltage:** 120V
- **Power Factor:** >0.90
- **Input Frequency:** 50/60Hz
- **THD:** <20%
- **Input Power:** 7.3W - 10.0W (per CRI and CCT)
- **Input Current:** 0.075A - 0.0975A (per input power)

**RL4 LED Module**

- **90 CRI**
  - RL60WH350PK - 4” Retrofit baffle, 2700K, matte white
  - RL60WH350PK - 4” Retrofit baffle, 3000K, matte white
  - RL60WH350PK - 4” Retrofit baffle, 3500K, matte white
  - RL60WH400PK - 4” Retrofit baffle, 4000K, matte white

**Accessories (Order Separately)**

- **RL4TRMWH** - 4” White paintable trim ring
- **RL4TRMSN** - 4” Satin nickel trim ring
- **RL4TRMTBZ** - 4” Tuscan bronze trim ring
- **RL4TRMWHB** - 4” White paintable trim ring, baffle
- **RL4TRMSNB** - 4” Satin nickel trim ring, baffle
- **RL4TRMTBZB** - 4” Tuscan bronze trim ring, baffle
- **HE2LED** - Replacement screw base adapter (one included with unit)

**Not to be used in housings in direct contact with spray foam insulation. (Consult NEMA LSD57-2013)**
LED Recessed
RLD4 Series

4” LED Deep Baffle Retrofit Module

The Halo RL4 Deep Baffle is a complete LED Baffle-Trim Module for 4-inch aperture recessed downlights; suitable for new construction, remodel and retrofit installation. The regressed lens provides uniform illumination and wet location listing. Precision construction makes any housing AIR-TITE for added savings and code compliance.

Features

Module - Trim
• Module construction includes LED Array, heat sink, reflector, lens, baffle and trim ring.
• Regressed Coilex baffle
• Heat sink designed to conduct heat away from the LED Array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments.

LED Array
• Mid power LED array provides a uniform source with high efficiency and no pixilation.
• 90 CRI minimum, R9 greater than 50
• Color accuracy within 3 SDCM provide color accuracy and uniformity

Optical Assembly
• Regressed lens
• Impact-resistant polycarbonate
• Convex form and lamp-like appearance
• Diffuse for even illumination

Baffles
• Each unit comes with a white baffle insert and black baffle insert.

Driver
• Integral 120V 50/60 Hz constant current driver provides noise free operation
• Continuous, flicker-free dimming from 100% to 5%
• Inline electrical quick connect and E26 adapter (provided) provides mains connections
• Consult instruction sheets and quick start guide for more information

Retention
• Precision formed spring blades secure module with friction fit to compatible housings.
• Friction blade design allows the RA4 to be installed in any position within the housing aperture (360 degrees)

Gaskets
• Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
• UL Certified
• Wet and Damp location listed
• Airtight certified per ASTM-E283
• Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
• EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
• Contains no mercury or lead and RoHS compliant
• Photometric testing in accordance with IES LM-79-08
• Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
• Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JAB-2016-E.
• Can be used International Energy Conservation Coe (IECC) and Washington State Energy Code high efficiency luminaire compliance.
• ENERGY STAR® listed, reference database for current listings
• Meets State of California voluntary lamp standards
• Lighting Facts labeled

RLD4 Energy Data @ 3000K

Lumens: 681
Input Voltage: 120V
Input Current: 0.073A
Input Power: 8.5W
THD: 17.5%
Frequency: 60 Hz
Efficacy: 80.1 LPW
Power Factor: 0.99
T Ambient: -30°C to +40°C
Sound Rating: Class A

RLD4 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Accessory (Order Separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLD4 = 4” deep baffle retrofit LED module</td>
<td>06 – 600 lumens (nominal)</td>
<td>930 = 90 CRI minimum, 3000K CCT</td>
<td>1E = 120V 50/60Hz leading or trailing edge phase cut 1% dimming</td>
<td>WH = matte white trim, white baffle and black baffle included</td>
<td>HE26LED = Replacement screw base adapter (one included with unit)</td>
</tr>
</tbody>
</table>
LED Recessed

HALO Recessed Catalog - LED Recessed Downlighting

Specifications, compliances and dimensions subject to change without notice

Halo Recessed Catalog - LED Recessed Downlighting

61

5"/6" LED All-Purpose Retrofit Module with SeleCCTable switch

The Halo RL56 SeleCCTable™ is a complete LED Baffle-Trim Module for 5 inch and 6 inch aperture recessed downlights; suitable for new construction, remodel and retrofit installation. Using the CCT selectable switch users can choose between five different color temperatures. The lens provides uniform illumination and wet location listing. Precision construction makes any housing AIR-TITE for added savings and code compliance.

Features

CCT Select System
- Use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT.

Module - Trim
- Module construction includes LED array, heat sink, reflector, lens, baffle and trim ring.
- Regressed baffle
- Heat sink designed to conduct heat away from the LED array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments.

LED Array
- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy at 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has a selectable range from 2700K to 5000K (factory default 3000K)

Optical Assembly
- Regressed lens
- Impact-resistant polycarbonate
- Convex form and lamp-like appearance
- Diffuse for even illumination

Driver
- Integral torsion springs and Push-N-Twist clips offer two mounting options
- Torsion springs are pre-installed and adjust to fit 5" or 6" compatible housings
- Push-N-Twist universal installation clips are pre-installed and designed to fit 5" or 6" compatible housings

Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Retention
- Integral torsion springs and Push-N-Twist clips offer two mounting options
- Torsion springs are pre-installed and adjust to fit 5" or 6" compatible housings
- Push-N-Twist universal installation clips are pre-installed and designed to fit 5" or 6" compatible housings

Compliance
- UL Certified
- Wet and Damp location listed.
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Color accuracy at 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has a selectable range from 2700K to 5000K (factory default 3000K)

RL56

5"/6" LED All-Purpose Retrofit Module with SeleCCTable switch

The Halo RL56 SeleCCTable™ is a complete LED Baffle-Trim Module for 5 inch and 6 inch aperture recessed downlights; suitable for new construction, remodel and retrofit installation. Using the CCT selectable switch users can choose between five different color temperatures. The lens provides uniform illumination and wet location listing. Precision construction makes any housing AIR-TITE for added savings and code compliance.

RL56 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Accessory (Order Separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RL56 = 5&quot;/6&quot; All-Purpose Retrofit LED Module</td>
<td>06 = 600 lumens (nominal)</td>
<td>9S = 90 CRI minimum, white tuning, selectable CCT 2700K-5000K</td>
<td>1E = 120V 60Hz leading or trailing edge phase cut 1% dimming</td>
<td>WH = matte white baffle</td>
<td>RL56TRMWHB = 5&quot;/6&quot; White Paintable Trim Ring, Baffle RL56TRMSNB = 5&quot;/6&quot; Satin Nickel Trim Ring, Baffle RL56TRMTBZB = 5&quot;/6&quot; Tuscan Bronze Trim Ring, Baffle RL56TRMWH = 5&quot;/6&quot; White Paintable Trim Ring RL56TRMSN = 5&quot;/6&quot; Satin Nickel Trim Ring RL56TRMTBZ = 5&quot;/6&quot; Tuscan Bronze Trim Ring HE26LED = Replacement screw base adapter (one included with unit)</td>
</tr>
<tr>
<td></td>
<td>09 = 900 lumens (nominal)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>12 = 1200 lumens (nominal)</td>
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</tr>
</tbody>
</table>

RL56 Energy Data

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>RL56069S1EWH</td>
<td>721 @ 4000K</td>
<td>7.6W</td>
<td>120V</td>
<td>50/60 Hz</td>
<td>0.15 A</td>
<td>&gt;0.90</td>
<td>&lt;20%</td>
<td>FCC Title 47 CFR, Part 15, Class B (Consumer)</td>
<td>Class A</td>
<td>-30°C (-22°F)</td>
</tr>
<tr>
<td>RL56099S1EWH</td>
<td>1006 @ 4000K</td>
<td>12.1W</td>
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</tr>
<tr>
<td>RL56129S1EWH</td>
<td>1272 @ 5000K</td>
<td>14W</td>
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</tr>
</tbody>
</table>
LED Recessed
RL56 - 600, 900 & 1200 Series

RL560WH6xxx – 600 Series
RL560WH9xxx – 900 Series
RL560WH12xxx – 1200 Series

5”/6” LED Retrofit Module

The Halo RL560 is a complete LED baffle-trim module for 5” and 6” aperture recessed downlights; suitable for new construction, remodel and retrofit installation. The RL560 is UL Certified for use with Halo housings and other compatible 5” and 6” housings. The RL560 with integral LED driver offers 120 volt dimming capability. The RL560 lens provides uniform illumination and wet location listing. Precision construction makes any housing Air-Tite code compliant. Compliant with NFPA 70, NEC section 410.16 (A)(1) and 410.16 (C)(3).

Features

Mechanical - Module
• Module construction includes LED, heat sink, reflector, lens, baffle and trim ring
• Trim ring is sized to fit 5” and 6” recessed housings and features a visually appealing graduated step design
• Regressed baffle
• Heat sink designed to conduct heat away from the LED keeping the junction temperatures below specified maximums, even in insulated ceilings
• Durable aluminum construction

Lens
• Regressed lens
• Impact-resistant polycarbonate
• Convex form for lamp-like appearance
• Diffusing for even illumination

Mounting
• Integral torsion springs and Push-N-Twist clips offer two mounting options
  • Torsion springs are pre-installed and adjust to fit 5” or 6” compatible housings
  • Push-N-Twist universal installation clips are pre-installed and designed to fit 5” or 6” compatible housings

LED
• Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, 4000K, and 5000K
• Color Rendering Index (CRI): 90
  (See ordering table for available models)
• 600 nominal lumen series, range dependent on CCT and CRI
• 900 nominal lumens, range dependent on CCT and CRI
• Lumen maintenance L70 at 50,000 hours

LED Chromaticity
• A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
• LED chromaticity of 3 SDCM exceeds ENERGY STAR® color standards per ANSI C78.377-2008
• Every Halo LED is quality tested, measured, and serialized in a permanent record to register lumens, wattage, CRI and CCT

Electrical Power Connections
• LED connector is a non-screw base luminaire disconnect offering easy installation with the matching Halo 5” H550 and 6” H750, H2750 LED housings
• LED connector meets California Title 24 high efficacy luminaire requirement for a non-screw base socket, and where required to qualify as a high efficacy luminaire
• The included E26 medium screw base Edison adapter provides easy retrofit of incandescent housings (see specifications online for housing compatibility)

LED Driver
• With the latest “driver-on-board” electronic technology, the driver is integrated in the module
• 120V 50/60 Hz constant current dimmable driver provides high efficiency operation
• Driver meets FCC 47CFR Part 15 EMI/RFI consumer limits for use in residential and commercial installations
• Driver features high power factor and low THD and has integral thermal protection in the event of over temperature or internal failure
• If dimming is not required the fixture can be operated from a standard wall switch

Dimming
• Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimmers with low end trim adjustment offer greater assurance of achieving 5% level.
• Consult dimmer manufacturer for compatibility and conditions of use
• Note, some dimmers require a neutral in the wallbox

Compliance
• UL Certified for US and Canada
• UL Certified (with other housings) see specifications online for housing compatibility
• UL Certified for damp location
• UL Certified for wet location covered ceiling – shower rated
• IP65 Ingress Protection rated
• May be installed in housings in direct contact with insulation* and combustible material
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
• 90 CRI (R9 > 50) can be used to comply with California Title 24 high efficacy requirements. Title 20 Certified for residential compliance.
• Suitable for use in closets. Compliant with NFPA 70, NEC Sec. 410.16 (A)(1) and 410.16 (C)(3).
• ENERGY STAR® certified downlight retrofit
• EMI/RFI per FCC 47CFR Part 15 Class B consumer limits, suitable for use in residential and commercial installations
• Contains no mercury or lead and RoHS compliant
• Photometric testing in accordance with IES LM-79
• Lumen maintenance projections in accordance with IES LM-80 and TM-21

*Not to be used in housings in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
LED Recessed
RL56 - 600, 900 & 1200 Series

Specifications, compliances and dimensions subject to change without notice

HALO
Halo Recessed Catalog - LED Recessed Downlighting 63
LED Recessed
RLD6 Series

6” LED Deep Baffle Retrofit Module

The Halo RL6 Deep Baffle is a complete LED Baffle-Trim Module for 6 inch aperture recessed downlights; suitable for new construction, remodel and retrofit installation. The regressed lens provides uniform illumination and wet location listing. Precision construction makes any housing AIR-TITE for added savings and code compliance.

Features

Module - Trim
- Module construction includes LED Array, heat sink, reflector, lens, baffle and trim ring.
- Regressed Coilex baffle
- Heat sink designed to conduct heat away from the LED Array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments.

LED Array
- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy within 3 SDCM provide color accuracy and uniformity

Optical Assembly
- Regressed lens
- Impact-resistant polycarbonate
- Convex form and lamp-like appearance
- Diffuse for even illumination

Baffles
- Each unit comes with a white baffle insert and black baffle insert.

Driver
- Integral 120V 50/60 Hz constant current driver provides noise free operation
- In the mobile app, continuous, flicker-free dimming from 100% to 5%.
- Inline electrical quick connect and E26 adapter (provided) provides mains connections
- Consult instruction sheets and quick start guide for more information

Retention
- Torsion Springs
- Integral torsion springs offer two mounting options
- Torsion springs are pre-installed and adjust to fit 5” or 6” compatible housings

Friction Blades
- Provide alternative to torsion springs for retrofit in 5” and 6” housings without torsion spring mounting tabs.
- Friction blade design allows the RL560 to be installed in any position within the housing aperture (360 degrees).

Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
- UL Certified
- Wet and Damp location listed.
- Airtight certified per ASTM-E283
- Suitable for use in closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JAB-2016-E.
- Can be used International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings
- Meets State of California voluntary lamp standards
- Lighting Facts labeled

RLD6 Energy Data @ 3000K

| Lumen | Input Voltage: 120V
| Lumens: 668 | Input Current: 0.073A
| 120V | Input Power: 8.5W
| 8.5W | THD: 17.5%
| 17.5% | Frequency: 60 Hz
| 60 Hz | Efficacy: 78.6 LPW
| 78.6 LPW | Power Factor: 0.99
| 0.99 | T Ambient: -30°C to +40°C
| -30°C to +40°C | Sound Rating: Class A

RLD6 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Accessory (Order Separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLD6 = 6” deep baffle retrofit LED module</td>
<td>65 – 600 lumens (nominal)</td>
<td>930 – 90 CRI minimum, 3000K CCT</td>
<td>1% – 120V 50/60Hz leading or trailing edge phase cut 1% dimming</td>
<td>WW – matte white trim, white baffle and black baffle included</td>
<td>REPLACEMENT SCREW BASE ADAPTER (ONE INCLUDED WITH UNIT)</td>
</tr>
</tbody>
</table>
RA4

4” LED All-Purpose Retrofit Module with Selectable CCT switch

The Halo RA4 Selectable™ LED Adjustable Gimbal is a complete LED Baffle-T trim Module for 4-Inch aperture recessed downlights. It is suitable for new construction, remodel and retrofit installation. Using the CCT selectable switch users can choose between five different color temperatures. The RA4 Selectable Gimbals feature adjustment of 35-degree tilt and up to 360-degree rotation.

Features

CCT Select System
• Use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT.

Module - Trim
• Module construction includes LED array, heat sink, reflector, lens, baffle and trim ring.
• Regressed baffle
• Heat sink designed to conduct heat away from the LED array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments.
• Up to 360-degree rotation
• 35-degree tilt
• Halo matte white paint finish

LED Array
• Mid power LED array provides a uniform source with high efficiency and no pixilation.
• 90 CRI minimum, R9 greater than 50
• Color accuracy at 4 SDCM in between endpoints, provides color accuracy and uniformity.
• Color Temperature (CCT) has a selectable range from 2700K to 5000K (factory default 3000K)

Optical Assembly
• Regressed lens
• Impact-resistant polycarbonate
• Convex form and lamp-like appearance
• Diffuse for even illumination

Driver
• Integral 120V 60 Hz constant current driver provides noise free operation
• Continuous, flicker-free dimming from 100% to 5%.
• Inline electrical quick connect and E26 adapter (provided) provides mains connections
• See Dimming Guide for compatible dimmers

Retention
• Precision formed spring blades secure module with friction fit to compatible housings.
• Friction blade design allows the RA4 to be installed in any position within the housing aperture (360 degrees)

Gaskets
• Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
• UL Certified
• Damp location listed
• EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
• Contains no mercury or lead and RoHS compliant
• Photometric testing in accordance with IES LM-79-08
• Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
• Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JA8-2016-E
• Can be used International Energy Conservation Code (IECC) high efficiency luminaire compliance.
• ENERGY STAR® listed, reference database for current listings

RA4 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Accessory (Order Separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA4 = 4” LED adjustable gimbal</td>
<td>60 - 600 lumens (nominal)</td>
<td>95 - 90 CRI minimum, white tuning, selectable CCT 2700K-5000K</td>
<td>1E = 120V 60Hz leading or trailing edge phase cut 1% dimming</td>
<td>WH = matte white baffle</td>
<td>HE26LED = Replacement screw base adapter (one included with unit)</td>
</tr>
</tbody>
</table>
**RA4 Series Ordering Information**

**RA4 LED Adjustable Gimbal**

**Very Wide Flood - VWFL Models**
- RA406927WH – 4” LED adjustable gimbal, 90 CRI, 2700K, matte white
- RA406930WH – 4” LED adjustable gimbal, 90 CRI, 3000K, matte white

**Narrow Flood - NFL Models**
- RA406927NFLWH – 4” LED adjustable gimbal, 90 CRI, 2700K, matte white
- RA406930NFLWH – 4” LED adjustable gimbal, 90 CRI, 3000K, matte white

**Accessories (Order Separately)**
- HEZ2LED – Replacement screw base adapter (one included with unit)

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**LED Driver**

- Dimmable driver is a 120 Volt, high efficiency, electronic power supply providing DC power to the LED.
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure.
- If dimming is not required the fixture can be operated from a standard wall switch.

**Electrical Power Connections**

- LED connector is a non-screw base laminaire disconnect offering easy installation with the matching Halo H995 series housings.
- LED connector meets high efficiency laminaire requirements for a non-screw base socket, and to qualify as a high efficacy laminaire (California Title 24).
- The included E26 medium screw base Edison adapter provides easy retrofit of incandescent housings.
- Separate grounding cable included on the module for attachment to the housing during installation.

**Dimming**

- The Halo RA4 LED is designed for dimming capability to nominally 5% with many standard 120V leading edge (LE) and trailing edge (TE) phase control dimmers.
- Dimming to 5% is best assured using dimmers with low end trim adjustment.
- Consult dimmer manufacturer for dimmer details (Note, some dimmers require a neutral in the wallbox).

**Compliance**

- UL Certified for US and Canada.
- UL Certified (with other housings - see specification sheet online).
- UL Certified for damp location.
- May be installed in housings in direct contact with insulation** and combustible material.
- IP ingress protection rating:
  - NFL models: IP25
  - VWFL models: IP34
- ENERGY STAR® certified downlight retrofit.
- Can be used for State of California Title 24 high efficacy requirements. Title 20 Certified for residential compliance.
- Can be used for International Energy Conservation Code (IEC) high efficacy laminaire compliance.
- EMI/RFI per FCC 47 CFR Part 15 Class B consumer limits, suitable for use in residential and commercial.
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79.
- Lumen maintenance projections in accordance with IES LM-80 and TM-21.

**RA4 Energy Data**

- **RA4 Series (Values at non-dimming line voltage)**
  - Minimum Starting Temp: -30°C (-22°F)
  - EMI/RF: FCC Title 47 CFR, Part 15, Class B (Consumer)
  - Sound Rating: Class A standards
  - Input Voltage: 120V
  - Power Factor: >0.90
  - THD: <20%
  - Input Power: 15W
  - Input Current: 85mA
- **Driver-Safety Agency Approvals:**
  - UL60950-1 Recognized
  - LPS output
  - UL8150 Compliant

**Specifications, compliances and dimensions subject to change without notice.**
RA56

5” / 6” LED All-Purpose Retrofit Module with SeleCCTable switch

The Halo RA56 SeleCCTable™ LED Adjustable Gimbal is a complete LED Baffle-Trim Module for 5-Inch or 6-Inch aperture recessed downlights. It is suitable for new construction, remodel and retrofit installation. Using the CCT selectable switch users can choose between five different color temperatures. The RA56 SeleCCTable Gimbals feature adjustment of 35-degree tilt and up to 360-degree rotation.

Features

CCT Select System
- Use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT.

Module - Trim
- Module construction includes LED array, heat sink, reflector, lens, baffle and trim ring.
- Regressed baffle
- Heat sink designed to conduct heat away from the LED array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments.
- Up to 360-degree rotation
- 35-degree tilt
- Halo matte white paint finish

LED Array
- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy at 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has a selectable range from 2700K to 5000K (factory default 3000K)

Optical Assembly
- Regressed lens
- Impact-resistant polycarbonate
- Convex form and lamp-like appearance
- Diffuse for even illumination

Driver
- Integral 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5%.
- Inline electrical quick connect and E26 adapter (provided) provides mains connections
- See Dimming Guide for compatible dimmers

Retention
- Integral torsion springs and Push-N-Twist clips offer two mounting options
- Torsion springs are pre-installed and adjust to fit 5” or 6” compatible housings
- Push-N-Twist universal installation clips are pre-installed and designed to fit 5” or 6” compatible housings

Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
- UL Certified
- Damp location listed.
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JAB-2016-E.
- Can be used International Energy Conservation Code (IECC) high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings

RA56 Energy Data @ 3000K

Lumens: 600 Series
Input Voltage: 120V
Input Current: .065 (mA)
Input Power: 7.0W
Efficiency: 90%
Imash (A): .91
THD: < 20%
Power Factor: ≥ 0.90
T Ambient: -30°C to +40°C
Sound Rating: ≤ 20dba

RA56 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Accessory (Order Separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA56 = 5” / 6” LED adjustable gimbal</td>
<td>60 - 600 lumens (nominal)</td>
<td>95 - 90 CRI minimum, white tuning, selectable CCT 2700K-5000K</td>
<td>1E = 120V 60Hz leading or trailing edge phase cut 1% dimming</td>
<td>WH = matte white baffle</td>
<td>HE26LED = Replacement screw base adapter (one included with unit)</td>
</tr>
</tbody>
</table>
LED Recessed
RA56 Series

5”/6” LED Adjustable Gimbal – 5 Inch Application
The Halo RA56 LED adjustable gimbal series are retrofit LED modules for 5” and 6” aperture recessed downlights; suitable for new construction, retrofit and remodel. The RA56 gimbals feature adjustment of 35-degree tilt and up to 360-degree rotation. In addition the RA56 gimbals offer selection of narrow flood (NFL) and very wide flood (VWFL) models for beam distributions suitable for accent, task, grazing and general area lighting.

Features

**Mechanical - Module**
- Module includes LED, heat sink, reflector, lens optic, baffle reveal, and trim ring
- Trim ring is sized to fit 5” and 6” recessed housing openings, and features a visually appealing graduated step design
- Durable die-cast aluminum construction
- Integrated heat sink design conducts heat away from the LED keeping the junction temperatures below specified maximums, even in insulated ceilings
- 35-degree tilt
- Pre-installed torsion spring adjust to fit 5” or 6” compatible housings
- Up to 360-degree rotation

**Narrow Flood (NFL) Optics**
- Precision acrylic lens
- Optical design creates a clean, uniform 25-degree beam

**Very Wide Flood (VWFL) Optics**
- Convex form for lamp-like appearance
- Diffusing, wide beam for even illumination

**LED Chromaticity**
- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- LED chromaticity of 3 SDCM exceeds ENERGY STAR® color standards per ANSI C78.377-2008
- Every Halo LED is quality tested, measured, and serialized in a permanent record to register lumens, wattage, CRI and CCT

**LED**
- Correlated Color Temperature (CCT): 2700K, 3000K
- Color Rendering Index (CRI): 90
- LED is a chip on board design consisting of a multiple LED package with proximity phosphor coating to create one virtual white light source for a productive "cone of light"
- 650 nominal lumens, range dependent on CCT and optic
- Lumen maintenance L70 at 50,000 hours

**Electrical Power Connections**
- Driver meets FCC EMI/RFI Consumer Level limits, suitable for use in residential and commercial installations
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure
- Dimming
  - Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers (Dimmers with low end trim-adjustment offer greater assurance of achieving 5% level)
  - Consult dimmer manufacturer for compatibility and conditions of use
  - Note: some dimmers require a neutral in the wallbox

**Compliance**
- UL Certified for US and Canada
- UL Certified (with other housings) see specifications online for housing compatibility
- UL Certified for damp location
- May be installed in housings in direct contact with insulation* and combustible material
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- 90 CRI (R9 > 50) can be used to comply with California Title 24 high efficacy requirements. Title 20 Certified for residential compliance.
- Suitable for use in closets. Compliant with NFPA 70, NEC Sec. 410.16 (A)(1) and 410.16 (C)(3).
- ENERGY STAR® certified downlight retrofit
- ERI/REI per FCC 47CFR Part 15 Class B consumer limits, suitable for use in residential and commercial installations
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21

*Not to be used in housings in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
LED Recessed
RA56 Series

RA56 Series Ordering Information

<table>
<thead>
<tr>
<th>Very Wide Flood - VWFL Models</th>
<th>Narrow Flood - NFL Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA5606927WH = 5”/6” Adjustable gimbals, 90 CRI, 3000K, matte white, very wide flood</td>
<td>RA5606932NFLWH = 5”/6” Adjustable gimbals, 90 CRI, 2700K, matte white, narrow flood</td>
</tr>
<tr>
<td>RA5606930WH = 5”/6” Adjustable gimbals, 90 CRI, 3000K, matte white, very wide flood</td>
<td>RA5606930NFLWH = 5”/6” Adjustable gimbals, 90 CRI, 3000K, matte white, narrow flood</td>
</tr>
</tbody>
</table>

Accessories (Order Separately)

**Oversize Trim Rings**
- OT400P = Oversize flat white metal trim ring 6’’ ID x 9-1/4’’ OD (ring slips behind RA56 ring, in stepped configuration)
- OT403P = Oversize white plastic trim ring 6’’ ID x 9-1/4’’ OD (ring slips behind RA56 ring, in stepped configuration)
- TRM690WH = Oversize matte white metal trim ring. Designed for RA56 ring to inset into oversize ring for an even (non-stepped) trim surface

**Replacement Friction Clips**
- RL66CLIP = Replacement kit of 5” and 6” friction clips for retrofitting to an existing housing without torsion spring receiving brackets (One set of clips included with the unit)

**E26 Screw Base Adapter**
- HE26LED = Replacement screw base adapter (One included with unit)

**RA56 Energy Data**
- Minimum Starting Temp: -30°C (-22°F)
- EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)
- Sound Rating: Class A standards
- Input Voltage: 120V
- Power Factor: >0.90
- Input Frequency: 50/60Hz
- THD: <20%
- Input Power: 10W
- Input Current: 85mA
- Driver-Safety Agency Approvals:
  - UL60950-1 Recognized
  - LPS output
  - UL8750 Compliant

Refer to specification online for further information www.eaton.com/lighting

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RSQ4 Series

4" LED All-Purpose Square Retrofit Module

The RSQ4 is an integrated LED module / trim with a square shallow lens suitable for new construction, remodel and retrofit installation. Certified for use with Halo and compatible 4" housings and can be used with housings in direct contact with insulation. Integral gasket provides airtight compliance in non-airtight housings, provides code compliance and additional energy savings. Use for general area lighting in low to medium height ceilings where energy savings and long life are desired.

Features

Module - Trim
- Module / trim is field interchangeable and upgradable, LED module consists of LED array, optical assembly, driver and self-flanged trim
- Integral aluminum heat sink provides passive thermal cooling achieving L70 at 70,000 hours in IC and non-IC applications.

LED Array
- Plurality of mid-power LEDs provide a uniform source with high efficiency and long life
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 4 SDCM provides color accuracy and uniformity
- Available in 2700, 3000, 3500 and 4000 K fixed CCT
- Optional field selectable color temperature, select from 2700, 3000, 3500, 4000 and 5000 K CCT

Optical Assembly
- Precision molded optic organizes source flux into wide distribution, useful for general area lighting
- Regressed flat lens provides uniformity
- Meets Energy Star color angular uniformity requirements, color deviation is less than 0.006 u' v

Connectors
- Two-conductor wire mount C1T type connector is rated for 120V and mates with LED housings or E26 adapter (provided)

Driver
- Standard 1E constant current driver option with 120V 60 Hz input provides quiet operation
- Available in 90 CRI minimum, field paintable
- Contains no mercury or lead and RoHS compliant

Retention
- Stainless steel friction blades hold module securely in the housing
- Can be installed in any orientation allowing trim to be aligned with architecture
- Module / trim can be removed from below the aperture for service or replacement

Trim
- Die cast aluminum trim can be removed in the field and replaced with optional designer series trims to match many décors
- Step baffle provides additional cutoff to source

Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
- UL Certified Safety, US & CA when used with Halo and other's housings, see instruction sheet for conditions of acceptability
- Wet location listed and IP44 ingress protection rated, suitable for use in clothes closets when installed in a covered ceiling only

RSQ4 Energy Data

<table>
<thead>
<tr>
<th>Lumen</th>
<th>Input Voltage</th>
<th>Input Current</th>
<th>Power Factor</th>
<th>THD</th>
<th>Power Factor</th>
<th>Ambient</th>
<th>Sound Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>800</td>
<td>120V</td>
<td>82 mA</td>
<td>≥ 0.90</td>
<td>≤ 20%</td>
<td>≥ 0.90</td>
<td>-40°C to +40°C</td>
<td>≤ 21dba</td>
</tr>
</tbody>
</table>

RSQ44TRMMW = 4" square trim, matte white flange and splay, field paintable
RSQ44TRMSNB = 4" square trim, satin nickel flange and baffle
RSQ44TRMTBZB = 4" square trim, tuscan bronze flange and baffle
HE26LED = Replacement screw base adapter (one included with unit)
RSQ5

5" LED All-Purpose Square Retrofit Module

The RSQ5 is an integrated LED module / trim with a square shallow lens suitable for new construction, remodel and retrofit installation. Certified for use with Halo and compatible 5" housings and can be used with housings in direct contact with insulation. Integral gasket provides airtight compliance in non-airtight housings, provides code compliance and additional energy savings. Use for general area lighting in low to medium height ceilings where energy savings and long life are desired.

Features

Module - Trim
- Module / trim is field interchangeable and upgradable, LED module consists of LED array, optical assembly, driver and self-flanged trim
- Integral aluminum heat sink provides passive thermal cooling achieving L70 at 70,000 hours in IC and non-IC applications.

LED Array
- Plurality of mid-power LEDs provide a uniform source with high efficiency and long life
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 4 SDGM provides color accuracy and uniformity
- Available in 2700, 3000, 3500 and 4000 K fixed CCT
- Optional field selectable color temperature, select from 2700, 3000, 3500, 4000 and 5000 K CCT

Optical Assembly
- Precision molded optic organizes source flux into wide distribution, useful for general area lighting
- Regressed flat lens provides uniformity
- Meets Energy Star color angular uniformity requirements, color deviation is less than 0.006 u' v

Connectors
- Two-conductor wire mount CJT type connector is rated for 120V and mates with LED housings or E26 adapter (provided)

Driver
- Standard 1E constant current driver option with 120V 60 Hz input provides quiet operation

Retention
- Steel torsion springs hold module securely in the housing
- Rotates ± 45° allowing trim to be aligned with architecture
- Module / trim can be removed from below the aperture for service or replacement
- Optional friction blades (provided) for installation in housings without torsion spring receivers

Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
- UL Certified Safety, US & CA when used with Halo and other's housings, see instruction sheet for conditions of acceptability
- Wet location listed and IP55 ingress protection rated, covered ceiling only
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Sound Rating: ≤ 21dba
- T Ambient: -40°C to +40°C
- Power Factor: ≥ 0.90
- THD: ≤ 20%
- Input Power: 9.8 W
- Input Voltage: 120V
- Input Current: 82 (mA)
- lm/W: 82 lm/W
- Input Current: 82 (mA)
- lm/W: 82 lm/W
- T Ambient: -40°C to +40°C

RSQ5 Energy Data

Lumens: 800 Series
Input Voltage: 120V
Input Current: 82 (mA)
Input Power: 9.8 W
Imax (A): 8.89 @ 14mS
THD: ≤ 20%
Power Factor: ≥ 0.90
T Ambient: 40°C to +40°C
Sound Rating: ≤ 21dba

RSQ5 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Accessories (Order Separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSQ5 = 5&quot; all-purpose</td>
<td>88 – 800 lumens (nominal)</td>
<td>927 – 80 CRI (min), 2700 K CCT</td>
<td>1E – 120V 60Hz, LE &amp; TE</td>
<td>MWWB = matte white flange and baffle</td>
<td>RSQ5TRMMWG = 5&quot; square trim, matte white flange and splay, field paintable</td>
</tr>
<tr>
<td>square LED module</td>
<td></td>
<td>930 – 80 CRI (min), 3000 K CCT</td>
<td>phase cut 5% dimming with select dimmers</td>
<td></td>
<td>RSQ5TRMSN8 = 5&quot; square trim, satin nickel flange and baffle</td>
</tr>
<tr>
<td></td>
<td></td>
<td>935 – 80 CRI (min), 3500 K CCT</td>
<td></td>
<td></td>
<td>RSQ5TRMB20 = 5&quot; square trim, tuscan bronze flange and baffle</td>
</tr>
<tr>
<td></td>
<td></td>
<td>940 – 80 CRI (min), 4000 K CCT</td>
<td></td>
<td></td>
<td>HE26LED = Replacement screw base adapter (one included with unit)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>945 – 80 CRI (min), field</td>
<td></td>
<td></td>
<td>selective CCT, choose 2700, 3000, 3500, 4000 or 5000 K CCT</td>
</tr>
</tbody>
</table>
RSQ6
6” LED All-Purpose Square Retrofit Module

The RSQ6 is an integrated LED module / trim with a square shallow lens suitable for new construction, remodel and retrofit installation. Certified for use with Halo and compatible 6” housings and can be used with housings in direct contact with insulation. Integral gasket provides airtight compliance in non-airtight housings, provides code compliance and additional energy savings. Use for general area lighting in low to medium height ceilings where energy savings and long life is desired.

Features

Module - Trim
• Module / trim is field interchangeable and upgradable, LED module consists of LED array, optical assembly, driver and self-flanged trim
• Integral aluminum heat sink provides passive thermal cooling achieving L70 at 70,000 hours in IC and non-IC applications.

LED Array
• Plurality of mid-power LEDs provide a uniform source with high efficiency and long life
• Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 4 SDCM provides color accuracy and uniformity
• Available in 2700, 3000, 3500 and 4000 K fixed CCT
• Optional field selectable color temperature, select from 2700, 3000, 3500, 4000 and 5000 K CCT

Optical Assembly
• Precision molded optic organizes source flux into wide distribution, useful for general area lighting
• Regressed flat lens provides uniformity
• Meets Energy Star color angular uniformity requirements, color deviation is less than 0.006 u’v’

Connectors
• Two-conductor wire mount CJT type connector is rated for 120V and mates with LED housings or E26 adapter (provided)

Driver
• Standard 1E constant current driver option with 120V 60 Hz input provides quiet operation

Gaskets
• Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
• UL Certified Safety, US & CA when used with Halo and other’s housings, see instruction sheet for conditions of acceptability
• Wet location listed and IP44 ingress protection rated, suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
• Airtight per ASTM-E283-04
• Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
• EM/RFI emissions per FCC 47CFR Part 15 consumer
• Contains no mercury or lead and RoHS compliant
• Photometric testing in accordance with IES LM-79-08
• Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
• Can be used for State of California Title 24 high efficacy LED compliance under JAB, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JAB High Efficacy Lighting
• Certified to State of California Title 20, State-regulated LED Lamp; reference Modernized Appliance Efficiency Database System (MAEDBS) for State-regulated LED Lamp
• ENERGY STAR® certified, reference “Certified Light Fixtures” database

RSQ6 Energy Data
<table>
<thead>
<tr>
<th>Lumen Data</th>
<th>800 Series</th>
</tr>
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<tbody>
<tr>
<td>Lumens:</td>
<td>800 Series</td>
</tr>
<tr>
<td>Input Voltage:</td>
<td>120V</td>
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<tr>
<td>Input Current:</td>
<td>82 (mA)</td>
</tr>
<tr>
<td>Input Power:</td>
<td>9.8 W</td>
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<tr>
<td>Inrush (A):</td>
<td>0.69 @ 14mS</td>
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<tr>
<td>THD:</td>
<td>&lt; 20%</td>
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<tr>
<td>Power Factor:</td>
<td>≥ 0.90</td>
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<tr>
<td>T Ambient:</td>
<td>40°C to +40°C</td>
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<tr>
<td>Sound Rating:</td>
<td>≤ 21dba</td>
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RSQ6 Series Ordering Information

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<th>Driver</th>
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</thead>
<tbody>
<tr>
<td>RSQ6 = 6” all-purpose square LED module</td>
<td>80 - 800 lumens (nominal)</td>
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</tr>
</tbody>
</table>
LED Recessed
ML4 Series

ML4D - TL41R & TL42S

4” LED Module, 2-inch Round and Square Pinhole Downlight

Recessed LED module with interchangeable 2-inch round or square open pinhole apertures are available in various finishes to suit many décors. Use with 4-inch nominal recessed housings suitable for residential and shallow plenum commercial construction or can be used to retrofit existing installations. Field interchangeable primary optics provide various distribution patterns and spacing to mounting height ratios. Use for general and task lighting in low to medium height ceilings where energy savings, long life and optical control are required.

Features

Module
• Field interchangeable and upgradable LED module consists of LED array, primary optic and driver
• Integral die cast aluminum heat sink provides passive thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications

Retention
• Stainless steel springs hold module securely in the housing, can be removed thru the aperture for service or replacement

LED Array
• Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
• Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 3 SDCM provide color accuracy and uniformity

Gaskets
• Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Trims
• Die formed steel trims are available in 2-inch round or square pinhole apertures and can be interchanged in the field
• Available in a broad range of painted or plated finishes, can be painted in the field to match any décor

Media
• Integral media holder accepts (1) lens or louver
• Available in spot, narrow flood, flood and wide flood
• Precision molded TIR optic organizes source flux into useful beams without stray lumens in the field

Primary Optic
• Two-piece construction with matte black mounting ring and polarized turn and lock mounting aligns optic to source and minimizes backlight in the housing
• Exceeds ENERGY STAR® color angular uniformity requirements, color deviation is typically less than 0.002 u’ v’.

VividTune
• D2W” dim-to-warm option shifts color temperature from 3000 K to 1850 K as fixture dims mimicking the black body dimming response of halogen sources

Driver
• Integral UNV 120 - 277V 50/60 Hz constant current driver provides noise free operation and can be replaced in the field
• Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers
• Optional UNV 120-277V 50/60 Hz driver with 0 -10V analog dimming from 100% to 5%, provided with inline electrical quick connect for low voltage connections

Compliance
• cULus listed for use with Halo housings, classified for use with other’s housings, see instruction sheet for conditions
• Meets all LED Lamp; reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JA8 High Efficiency Lighting

Specifications, compliances and dimensions subject to change without notice
HALO Halo Recessed Catalog - LED Recessed Downlighting
**LED Recessed**

**ML4 Series**

**ML4D - TL43R & TL44S**

4" LED Module, 2-inch Round and Square Pinhole Downlight

Recessed LED module with interchangeable 2-inch round or square lens pinhole apertures are available in various finishes to suit any décor. Use with 4-inch nominal recessed housings suitable for residential and shallow plenum commercial construction or can be used to retrofit existing installations. Field interchangeable primary optics provide various distribution patterns and spacing to mounting height ratios. Use for general and task lighting in low to medium height ceilings where energy savings, long life and optical control are required.

**Module**
- Field interchangeable and upgradable LED module consists of LED array, primary optic and driver
- Integral die cast aluminum heat sink provides passive thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications

**Retention**
- Stainless steel springs hold module securely in the housing, can be removed thru the aperture for service or replacement

**LED Array**
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 90 CRI minimum, 935 greater than 90 and color accuracy within ± 0.002 u' v'
- 3 SDCM provide color accuracy and uniformity

**Gaskets**
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

**Trims**
- Die formed steel trims are available in 2-inch round or square pinhole apertures and can be interchanged in the field
- Available in a broad range of painted or plated finishes, can be painted in the field to match any décor
- Magnetic attachment holds trim tightly to ceiling and eliminates light leaks

**Media**
- Integral media holder provided accepts (1) 2" diameter 3.0mm thick color filters, lens or louver
- Order media separately

**Primary Optic**
- Precision molded TIR optic organizes source flux into useful beams without stray lumens in the field
- Two-piece construction with matte black mounting ring and polarizing turn and lock mounting aligns optic to source and minimizes backlight in the housing
- Exceeds ENERGY STAR® color angular uniformity requirements, color deviation is typically less than 0.002 u' v'
- Available in spot, narrow flood, flood and wide flood distributions, ships with narrow flood or flood factory installed, order alternate distributions or replacement separately
- Integral media holder accepts (1) lens or louver

**VividTune**
- D2W™ dim-to-warm option shifts color temperature from 3000 K to 1850 K as fixture dims mimicking the black body dimming response of halogen sources

**Driver**
- Integral UNV 120 - 277V 50/60 Hz constant current driver provides noise free operation and can be replaced in the field
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers
- Optional UNV 120-277V 50/60 Hz driver with 0 - 10V analog dimming from 100% to 5%, provided with inline electrical quick connect for low voltage connections
- Medium base (E26) to CJT adapter (provided) provides mains connection

**Compliance**
- cULus listed for use with Halo housings, classified for use with other's housings, see instruction sheet for conditions of acceptability

**ML4D Series Ordering Information**

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<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>Distribution</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>ML4D = 4&quot; LED module</td>
<td>900 Series</td>
<td>09 = 900 lumens (nominal)</td>
<td>NFL = 25° narrow flood</td>
<td>E = UNV 120 - 277V 50-60Hz, LE &amp; TE phase cut 5% ( {\text{dimming at 120V only}} )</td>
<td>TIR4PS15 = 15° spot</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FL = 40° flood</td>
<td>927 = 90 CRI (min), 2700 K CCT</td>
<td>E010 = UNV 120 - 277V 50-60Hz, 0 - 10V analog</td>
<td>TIR4NFL25 = 25° narrow flood</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>930 = 90 CRI (min), 3000 K CCT</td>
<td>5% dimming1</td>
<td>TIR4FLO4 = 40° flood</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>936 = 90 CRI (min), 3500 K CCT</td>
<td>TIR4WFLUS = 55° wide flood</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>940 = 90 CRI (min), 4000 K CCT</td>
<td>TIR4MWH25 = 25° narrow flood asymmetrical / wall wash</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>D2W = 90 CRI (min) color shifts from 3000 to 1850K mimicking black body</td>
<td>TIR4MH12PK = replacement media holder, package of 12</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>body dimming2</td>
<td>LMO Series = 2.3&quot; lens and filters, see spec sheet</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>HE26LED = Replacement screw base adapter (one included with unit)</td>
<td></td>
</tr>
</tbody>
</table>
LED Recessed
ML4 Series

ML4D - TL45R & TL46S
4” LED Module, 2-Inch Round and Square Lens Wall Washer

Recessed LED module with interchangeable 2-inch round or square wall wash apertures are available in various finishes to suit any décor. Use with 4-inch nominal recessed housings suitable for residential and shallow plenum commercial construction or can be used to retrofit existing installations. Asymmetric primary optic redirects light through linear spread lens providing useful vertical flood-candles. Use to light walls, paintings and textured surfaces including stone, masonry and wood when energy savings, long life and optical control are required.

Features

Module
- Field interchangeable and upgradable LED module consists of LED array, primary optic and driver
- Integral die cast aluminum heat sink provides passive thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications

Retention
- Stainless steel springs hold module securely in the housing, can be removed thru the aperture for service or replacement

LED Array
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 90 CRI minimum, Rg9 greater than 50 and color accuracy within 3 SDCM provide color accuracy and uniformity

Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Trims
- Die formed steel trims are available in 2-inch round or square pinhole apertures and can be interchanged in the field
- Available in a broad range of painted or plated finishes, can be painted in the field to match any décor
- Magnetic attachment holds trim tightly to ceiling and eliminates light leaks

Media
- Integral media holder accepts (1) lens or louver
- Media and trim are field interchangeable and upgradable

Primary Optic
- Precision molded TIR optic organizes source flux into useful beams without stray lumens in the field
- Two-piece construction with matte black mounting ring and polarized turn and lock mounting aligns optic to source and minimizes backlight in the housing
- Exceeds ENERGY STAR® color angular uniformity requirements, color deviation is typically less than 0.002 u’ v’
- Available in spot, narrow flood, flood and wide flood distributions, ships with narrow flood or flood factory installed, order alternate distributions or replacement separately
- Integral media holder accepts (1) lens or louver

VividTune
- D2W™ dim-to-warm option shifts color temperature from 3000 K to 1850 K as fixture dims mimicking the black body dimming response of halogen sources

Driver
- Integral UNV 120 - 277V 50/60 Hz constant current driver provides noise free operation and can be replaced in the field
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers
- Optional UNV 120-277V 50/60 Hz driver with 0 -10V analog dimming from 100% to 5%, provided with inline electrical quick connect for low voltage connections
- Medium base (E26) to CJT adapter (provided) provides noise free operation and can be replaced in the field

Compliance
-符合CIE 17.3,32 daylight and D65 color rendering,32 daylight and D65 color rendering requirements
- Color deviation is typically less than 0.002 u’ v’
- Exceeds ENERGY STAR® color angular uniformity requirements, color deviation is typically less than 0.002 u’ v’
- Exceeds ENERGY STAR® color angular uniformity requirements, color deviation is typically less than 0.002 u’ v’
- Medium base (E26) to CJT adapter (provided) provides noise free operation and can be replaced in the field

ML4D Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>ML4D = 4” LED module</td>
<td>69 = 900 lumens (nominal)</td>
<td>NFR = 25° narrow flood FL = 40° flood</td>
</tr>
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</table>

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<tbody>
<tr>
<td>ML4D = 4” LED module</td>
<td>927 = 90 CRI (min), 2700 K CCT</td>
<td>930 = 90 CRI (min), 3000 K CCT</td>
</tr>
<tr>
<td>ML4D = 4” LED module</td>
<td>935 = 90 CRI (min), 3500 K CCT</td>
<td>940 = 90 CRI (min), 4000 K CCT</td>
</tr>
<tr>
<td>ML4D = 4” LED module</td>
<td>955 = 90 CRI (min), 4500 K CCT</td>
<td>25W = 90 CRI (min) color shifts from 3000 to 1850K mimicking black body dimming2</td>
</tr>
<tr>
<td>ML4D = 4” LED module</td>
<td>D2W = 90 CRI (min) color shifts from 3000 to 1850K mimicking black body dimming2</td>
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ML4D Energy Data

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<td></td>
</tr>
</tbody>
</table>
LED Recessed
ML4 Series

**TL41R 2” Round Open Pinhole**
- Die formed steel trim with 2” pinhole
- Field interchangable
- Available in painted or plated finishes
- Paint in the field to match any décor
- Magnetic attachment holds trim tight to ceiling and eliminates light leaks

*Dimensions***
A: 2-5/32” [55mm]
H: 3/16” [4.32mm]
OD: 5” [127mm]

**TL42S 2” Square Open Pinhole**
- Die formed steel trim with 2” pinhole
- Field interchangable
- Available in painted or plated finishes
- Paint in the field to match any décor
- Magnetic attachment holds trim tight to ceiling and eliminates light leaks

*Dimensions***
A: 2-5/32” [55mm]
H: 3/16” [4.32mm]
OD: 5” [127mm]

**TL43R 2” Round Lens Pinhole**
- Die formed steel trim with 2” pinhole
- Field interchangable
- Available in painted or plated finishes
- Paint in the field to match any décor
- Magnetic attachment holds trim tight to ceiling and eliminates light leaks

*Dimensions***
A: 2-1/2” [65mm]
H: 3/16” [4.32mm]
OD: 5” [127mm]

**TL44S 2” Square Lens Pinhole**
- Die formed steel trim with 2” pinhole
- Field interchangable
- Available in painted or plated finishes
- Paint in the field to match any décor
- Magnetic attachment holds trim tight to ceiling and eliminates light leaks

*Dimensions***
A: 2-1/2” [65mm]
H: 3/16” [4.32mm]
OD: 5” [127mm]
LED Recessed
ML4 Series

TL45R 2” Round Lens Wall Wash Pinhole

- Die formed steel trim with 2” pinhole
- Field interchangable
- Available in painted or plated finishes
- Paint in the field to match any décor
- Magnetic attachment holds trim tight to ceiling and eliminates light leaks

Dimensions**
A: 2-1/2” [65mm]
H: 3/16” [4.32mm]
OD: 5” [127mm]

TL45R6GMWWB
matte white flange, white lens frame

TL45R6GMWBB
matte white flange, black lens frame

TL46S 2” Square Lens Wall Wash Pinhole

- Die formed steel trim with 2” pinhole
- Field interchangable
- Available in painted or plated finishes
- Paint in the field to match any décor
- Magnetic attachment holds trim tight to ceiling and eliminates light leaks

Dimensions**
A: 2-1/2” [65mm]
H: 3/16” [4.32mm]
OD: 5” [127mm]

TL46S6GMWWB
matte white flange, white lens frame

TL46S6GMWBB
matte white flange, black lens frame

ML4 Optics

TIR45SP15 = 15° spot
TIR45NFL25 = 25° narrow flood
TIR45FL40 = 40° flood
TIR45WFL55 = 55° wide flood
TIR50AWW25 = 25° narrow flood asymmetric / wall wash
TIR45MH12PK = replacement media holder, package of 12

TIR45SP15
15 degree spot

TIR45NFL25
25 degree narrow flood

TIR45FL40
40 degree flood

TIR45WFL55
55 degree wide flood

TIR50AWW25
25 degree narrow flood asymmetric / wall wash

TIR45MH12PK
replacement media holder
**LED Recessed Housing**

**ML4 Series - HS4R / HS4S**

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**HS4R / HS4S**

**4” Round & Square Surface Mount Housings**

The HS4R round and HS4S square housings adapt ML4 LED module and associated 2” aperture open, len and lens wall wash trims to complete a surface mount luminaire. Installs to recessed or surface mounted junction boxes with hardware provided. Use with compatible Halo LED integrated trims and modules providing general, task and accent lighting when energy savings, long life and optical control are required. ML4 LED module and trims ordered separately.

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**Features**

**Housing**
- Extruded aluminum round or square housing with die formed aperture accepts ML4 LED modules and trims.

**Mounting**
- Attaches directly to 3-1/2” and 4” round ceiling pans, 3-1/2” and 4” octagon boxes, 4” and 4-11/16” square fixture mud rings and single gang handy boxes with hardware provided.
- Spider plate allows for ±45° rotation to align square with architecture.

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**Gasket**
- Provided with die cut white and black gasket for use in wet locations, covered ceilings only.

**Connector**
- Two-conductor wire mount connector is rated for 120 - 277V and mates with ML4 LED integrated module.
- **CAUTION:** verify LED module input voltage is compatible with the input voltage of the housing. If uncertain, consult a qualified electrician.
- Separate two-conductor wire mount connector for 0 – 10V low voltage control.

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**Compliance**
- cULus damp location listed with open trims, wet location listed, covered ceilings only and IP65 certified when used with supplied gasket and lens trims.
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.
- Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JA8 High Efficacy Lighting.
- ENERGY STAR certified, reference Certified Light Fixtures database.

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ML5606xxx – 600 Series
ML5609xxx – 900 Series

5”/6” LED Retrofit Module – 6 Inch Application

The ML56 LED downlighting system is a series of LED light modules for use with designated 6” ML56 LED trims in new construction, remodel and retrofit housings. Compatible with Halo 6” housings. ML56 light modules are offered in 600 series, 900 series, and 1200 series, 90 CRI, and four color temperatures 2700K, 3000K, 3500K, 4000K. ML56 light modules are universal voltage 120V – 277V and dimmable at 120V. The ML56 lens provides uniform diffuse illumination.

Features

Mechanical – Module
- Module includes LED driver, heat sink, and lens
- Durable die-cast aluminum construction
- Heat sink designed to conduct heat away from the LED keeping the junction temperatures below specified maximums, including insulated ceiling environments

Lens
- Impact-resistant polycarbonate
- Convex form for lamp-like appearance
- High lumen transmission
- Diffusing for even illumination

Mounting
- Light modules attach to reflector and baffle trims via locking tabs, and attach to eyeballs via keyed twist-to-lock mating bosses
- The complete light module and trim assembly installs into housings with precision formed torsion springs located on the trim

LED
- Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, and 4000K
- Color Rendering Index (CRI): 90
- 600 nominal lumens, range dependent on CCT, CRI and trim
- 900 nominal lumens, range dependent on CCT, CRI and trim
- Lumen maintenance L70 at 50,000 hours

Electrical Power Connections
- LED connector is a non-screw base luminaire disconnect offering easy installation with the matching Halo 6” H750 and H2750 series housings (Use with ML56 6” LED trims)
- LED connector is a non-screw base, and where required to qualify as a high efficacy luminaire
- E26 medium screw base retrofit adapter included

LED Driver
- Driver is universal voltage 120V-277V, and may be controlled from a switch (Switchable at 120V, 220V, 230V, 240V, and 277V)
- Driver is dimmable at 120V operation when connected to a compatible dimmer
- Driver is a high efficiency, electronic power supply providing DC power to the LED
- Driver meets FCC EMI/RFI consumer level limits on 120V main inputs, and is compliant for use in residential and commercial installations
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure

Compliance
- cULus Listed 1598 luminaire, with listed Halo housings
- UL Classified, with other housings (See specifications online for housing compatibility)
- cULus Listed for damp locations
- cULus Listed wet location, covered ceiling (shower rated) with ML56 baffle and reflector trims only
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- IP66 Ingress Protection rated with baffle and reflector trims only
- RoHS compliant
- May be used in IC (insulated ceiling) housings in direct contact with insulation* and combustible material
- 90 CRI (R9 > 50) can be used for California Title 24 compliance, Title 20 Certified for residential compliance
- Can be used for International Energy Conservation Code (IECC) high efficacy luminaire compliance
- ENERGY STAR® certified downlight recessed system
- EMI/RFI per FCC 47CFR Part 15 Class B consumer limits (commercial and residential compliant)
- Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21
- CE Mark - “Conformité Européenne” conformity with the Council of European Communities Directives, meeting internationally recognized compliance when used with Halo H750, and H2750 series LED housings only
- *Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
LED Recessed
ML56 – 1200 Series

ML5612xxx – 1200 Series
5”/6” LED Retrofit Module – 6 Inch Application

The ML56 LED downlighting system is a series of LED light modules for use with designated 6” ML56 LED trims in new construction, remodel and retrofit housings. Compatible with Halo 6” housings. ML56 light modules are offered in 600 series, 900 series, and 1200 series, 90 CRI, and four color temperatures 2700K, 3000K, 3500K, 4000K. ML56 light modules are universal voltage 120V – 277V and dimmable at 120V. The ML56 lens provides uniform diffuse illumination standard. ML56 - 1200 series offers narrow flood (NFL) beam forming reflector as an optional accessory. Wet location listed with reflector and baffle trims (directional eyeball trims are damp listed). Halo ML56 series offers high performance LED downlighting in a flexible modular selection.

Features

Mechanical Module
• Module includes LED, LED driver, heat sink, and lens
• Durable die-cast aluminum construction
• Heat sink designed to conduct heat away from the LED keeping the junction temperatures below specified maximums, including insulated ceiling environments

Lens Optics
• Diffuse lens is standard on all 1200 series LED light modules
  • Impact-resistant polycarbonate
  • Convex form for lamp-like appearance
  • High lumen transmission
• Optional beam forming optic replaces diffuse lens and provide narrow flood (NFL) 25° nominal distribution. Beam forming optic is field installed. Order separately (accessories).

Mounting
• Light modules attach to reflector and baffle trims via locking tabs, and attach to eyeballs via keyed twist-to-lock mating brasses
• The complete light module and trim assembly installs into housings with precision formed torsion springs located on the trim

LED
• Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, and 4000K
• Color Rendering Index (CRI): 90
• 1200 nominal lumens, range dependent on CCT, CRI and trim
• Lumen maintenance L70 at 50,000 hours

Electrical Power Connections
• LED connector is a non-screw base luminaire disconnect offering easy installation with the matching Halo 6” H750 and H2750 series housings (use with ML56 6” LED trims)
• LED connector is a non-screw base, and where required to qualify as a high efficacy luminaire
• E26 medium screw base retrofit adapter included

LED Driver
• Driver is universal voltage 120V-277V, and may be controlled from a switch (switchable at 120V, 220V, 230V, 240V, and 277V)
• Driver is dimmable at 120V operation when connected to a compatible dimmer
• Driver is a high efficiency, electronic power supply providing DC power to the LED
• Driver meets FCC EMR/RFI consumer level limits on 120V main inputs, and is compliant for use in residential and commercial installations
• Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure

Compliance
• cULus Listed 1598 luminaire, with listed Halo housings
• UL Classified, with other housings (See specifications online for housing compatibility)
• cULus Listed for damp locations
• cULus Listed wet location, covered ceiling (shower rated) with ML56 baffle and reflector trims only
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
• IP66 Ingress Protection rated with baffle and reflector trims only
• RoHS compliant
• May be used in IC (Insulated Ceiling) housings in direct contact with insulation* and combustible material
• 90 CRI (R9 > 50) can be used for California Title 24 compliance, Title 20 Certified for residential compliance
• Can be used for International Energy Conservation Code (IECC) high efficacy luminaire compliance
• ENERGY STAR® certified downlight recessed LED system
• EMU(RF) per FCC 47CFR Part 15 Class B consumer limits (commercial and residential compliant)
• Photometric testing in accordance with IES LM-79
• Lumen maintenance projections in accordance with IES LM-80 and TM-21
• CE Mark “Conformité Européenne” conformity with the Council of European Communities Directives, meeting internationally recognized compliance when used with Halo H750, and H2750 series LED housings only

Accessories

BFR56NFL
Beam forming reflector kit, narrow flood, 25” nominal

BFR56MH
Media holder, accepts one 3.45” lens
Requires BFR56NFL and L345SF
(Order separately)

L345SF
3.45” diameter soft focus lens
Requires BFR56NFL and BFR56MH
(Order separately)
LED Recessed
ML56 – 600, 900 & 1200 Series Details

### ML56 Ordering Information

<table>
<thead>
<tr>
<th>600 Series - 90 CRI</th>
<th>900 Series - 90 CRI</th>
<th>1200 Series - 90 CRI</th>
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</thead>
<tbody>
<tr>
<td>ML5606927 – 600 lumen, 2700K</td>
<td>ML5609927 – 900 lumen, 2700K</td>
<td>ML5612927 – 1200 lumen, 2700K</td>
</tr>
<tr>
<td>ML5606930 – 600 lumen, 3000K</td>
<td>ML5609930 – 900 lumen, 3000K</td>
<td>ML5612930 – 1200 lumen, 3000K</td>
</tr>
<tr>
<td>ML5606935 – 600 lumen, 3500K</td>
<td>ML5609935 – 900 lumen, 3500K</td>
<td>ML5612935 – 1200 lumen, 3500K</td>
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<tr>
<td>ML5609940 – 900 lumen, 4000K</td>
<td></td>
<td>ML5612940 – 1200 lumen, 4000K</td>
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</tbody>
</table>

### 690 Series - 6” LED Trims

- **691WB** – 6” LED trim, polymer “dead-front”, white shallow baffle & flange
  - shallow and standard housings (For use with 600 series LED light modules only)
- **692SC** – 6” LED trim, specular reflector & white flange
- **692H** – 6” LED trim, haze reflector & white flange
- **692W** – 6” LED trim, black micro-step baffle & white flange
- **693SNB** – 6” LED trim, satin nickel micro-step baffle & flange
- **693TBZ** – 6” LED trim, tuscan bronze micro-step baffle & flange
- **694WB** – 6” LED directional trim, white eyeball, baffle & flange – shallow and standard housings
- **694SNB** – 6” LED directional trim, satin nickel eyeball, baffle & flange – shallow and standard housings
- **694TBZ** – 6” LED directional trim, tuscan bronze eyeball, baffle & flange – shallow and standard housings

### ML56 Energy Data

<table>
<thead>
<tr>
<th>600 Series</th>
<th>900 Series</th>
<th>1200 Series</th>
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</thead>
<tbody>
<tr>
<td>(Values at non-dimming line voltage)</td>
<td>(Values at non-dimming line voltage)</td>
<td>(Values at non-dimming line voltage)</td>
</tr>
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<td>Sound Rating: Class A</td>
<td>Sound Rating: Class A</td>
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<tr>
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<td>Input Voltage: UNV 120V-277V</td>
<td>Input Voltage: UNV 120V-277V</td>
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<td>Power Factor: &gt;0.95 @ 120V and &gt;0.9 @277V</td>
<td>Power Factor: &gt;0.95 @ 120V and &gt;0.9 @277V</td>
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<tr>
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<td>Input Frequency: 50/60Hz</td>
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<tr>
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<td>THD: &lt;20%</td>
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<tr>
<td>Input Power: 9.5W (90 CRI)</td>
<td>Input Power: 9.4W (90 CRI)</td>
<td>Input Power: 12.3W (90 CRI)</td>
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<td>Input Current at 120V: 0.14A</td>
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<tr>
<td>Input Current at 277V: 0.08A</td>
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<td>Driver Compliance: UL8750, Class II rated</td>
<td>Driver Compliance: UL8750, Class II rated</td>
</tr>
</tbody>
</table>

### System Accessories

- **ML56CLIP** – 6” Friction clip mounting kit – for retrofitting non-torsion spring housings*
- **WW695SC** – 6” Wall wash insert – kick reflector for 695WW
- **TRM690WH** – 6” LED oversize trim ring for use with 69* series trims, white 6” OD, 9.5” OD ring slips over LED trim. Inset design allows 6” trim to fit into oversize ring for an even trim surface
- **ML7RAB** – Retrofit adapter band – installs in non-torsion spring 6” housings

- **HE26LED** – Replacement screw base adapter (One included with unit)

### Dimming

Designed for dimming capability on 120V input to nominal 5% in normal operation with 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimmers with low end trim adjustment offer greater assurance of achieving 5% level. (Consult dimmer manufacturer for dimmer compatibility and conditions of use. Note, Some dimmers require a neutral in the wallbox)

### Color Specification & Quality Standards

- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- LED color uniformity of 3 SDCM, exceeds ENERGY STAR® color standards per ANSI C78.377-2008
- Halo LED serialized testing and measurement process ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time
### LED Recessed
#### ML56 69x Trims

**691 Shallow Polymer Baffle, Self-flange**
- Shallow polymer (plastic) baffle with self-flange
- For use with ML56 600 series LED modules ONLY
- Non-conductive polymer (plastic) “dead-front” construction
- Shallow height allows use in shallow or standard ceiling housings
- Wet location shower listed with ML56 LED modules
- For use with 600 series ML56 LED modules ONLY

**Dimensions**
- A: 4-7/8” [123mm]
- H: 1-1/2” [39mm]
- OD: 6-1/2” [166mm]

**692 Reflector, Self-flange**
- Reflectors with self-flange
- For use with ML56 series LED modules
- Aluminum construction
- For use in standard housings
- Wet location shower listed with ML56 LED light modules

**Dimensions**
- A: 4-7/8” [123mm]
- H: 1-1/2” [39mm]
- OD: 6-1/2” [166mm]

**693 Micro-Step Baffle, Self-flange**
- Baffles with self-flange
- For use with ML56 series LED modules
- Aluminum construction
- For use in standard housings
- Wet location shower listed with ML56 LED light modules

**Dimensions**
- A: 4-7/8” [123mm]
- H: 1-1/2” [39mm]
- OD: 6-1/2” [166mm]

**694 Eyeball, 30° Tilt, Self-flange**
- Eyeball with baffle and self-flange
- For use with ML56 series LED modules
- Aluminum construction
- For use in standard and shallow housings
- Eyeball tilts from 0 to 30 degrees

**Dimensions**
- A: 4-1/2” [113mm]
- H: 1” [26mm]
- OD: 6-1/2” [166mm]

**695 Wall Wash Reflector, Self-flange**
- Specular reflector and specular “kick” reflector insert
- For use with ML56 series LED light modules
- Aluminum construction reflector and precision molded “kick” reflector
- Repositionable kick reflector allows wall wash adjustment
- Optional accessory kick reflector for double or corner wall wash (WW695SC)
- Wet location shower listed with ML56 LED modules

**Dimensions**
- A: 4-7/8” [123mm]
- H: 1-1/2” [39mm]
- OD: 6-1/2” [166mm]

**696 Shallow Baffle, Self-flange**
- Shallow baffle with self-flange
- For use with ML56 series LED light modules
- Aluminum construction
- Shallow height allows use in shallow or standard ceiling housings (For use in shallow housings with ML56 600 series and 900 series LED modules only)
- Wet location shower listed with ML56 LED modules

**Dimensions**
- A: 4-7/8” [123mm]
- H: 1-1/2” [39mm]
- OD: 6-1/2” [166mm]
A 3-inch family of round and square aperture LED downlight / directional housings with field interchangeable optics. High efficiency, excellent light control and low aperture brightness are required. The HL3 is ideal for accent, task and general area lighting. Airtight housings, suitable for residential or shallow plenum commercial constructions and can be used in direct contact with insulation.
Seamless Ceiling Integration

Halo now offers a complete family of 3-inch LED recessed downlights ideal for your next demanding project. Choose from round or square apertures available in a broad range of trim styles and optical distributions meeting demanding architectural factors including ceiling height, square footage, and fixture spacing criteria.

Trims are available in a range of finishes to match many décors. Magnets pull trims tight to the ceiling eliminating gaps and light leaks. Trims may be installed rimless with a true knife-edge interface creating a quiet ceiling appearance. Symmetrical trims can be used for both general area and accent lighting creating a consistent visual appearance.

Rimless trims

Standard round and square housings can be converted to a rimless application using the rimless adapter. A true knife-edge interface with the trim provides a "quiet ceiling" appearance. The rimless adapter replaces the standard collar and adjusts to level with the finished ceiling. The perforated pattern and tapered flange facilitates blending with the ceiling surface.
Ease of installation

High-end residential and prestige commercial ceiling construction is complex. Housings have numerous proprietary contractor features and install quickly saving time and money. The same housing type is used for task, accent, wall washing and general area illumination simplifying planning and installation. Optical distribution can be easily changed in the field to adapt to changes in the field. Whether a single accent fixture is installed in a new project to keep up with the homeowner’s growing artwork collection or hundreds are used in the common areas of a hotel a unified design theme across all trim types and finishes creates a visually seamless installation allowing the architecture or other features to be the primary focus.

Optics

Primary optics are field interchangeable and are available in Spot (SP), Narrow Flood (NFL), Flood (FL) and Wide Flood (WFL) distribution patterns.

- TIR45SP15 spot, 15°
- TIR45NFL25 narrow flood, 25°
- TIR45FL40 flood, 40°
- TIR45WFL55 wide flood, 55°

Trim installation

Each Halo HL3 housing is fitted with (8) rare earth Neodymium magnets that securely hold the trim in place. This allows for subtle repositioning to align apertures.

Aim and focus

The housings have a built-in adjustment mechanism that will rotate 365°, tilt 45° and locks in position maintaining any aiming angle. Angle markings assist in repeatable settings. The primary optics are field interchangeable and are available in spot, narrow flood, flood and wide flood distribution patterns.
HL36A
3" IC, Shallow New Construction, LED Housing

Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns. Ideal for accent, task and general area lighting. Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions and can be used in direct contact with insulation. Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter. Use where high efficiency, excellent light control and low aperture brightness are required.

Features

Frame
• Galvanized steel plaster frame with integral bar hanger receivers
• Setscrew provide positive horizontal locking
• Collar adjusts vertically to accommodate 1/2" to 7/8" thick ceilings and locks in position with (4) screws
• Use optional collar extender for 7/8" to 1-1/4" thick ceilings
• Integral gun sights facilitate the use of guide strings or laser lines
• Shipped with overspray protector installed

Housing
• Steel housing painted matte black for a visually dark interior
• Removable top allows service from above

Bar Hangers
• GOT NAIL™ Gen 3 bar hangers adjust from 10-1/2" to 24" wide
• Pass thru feature allows shortening without removal
• Captive nail penetrates standard and engineered lumber
• Mounting flange levels platform with ceiling
• Integral clip attaches directly to tee-bar

Gaskets
• Gaskets achieve restrictive airflow requirements without additional caulking

Adjustment Mechanism
• Rotates 360°, tilts 45° and locks in position maintaining any aiming angle
• Angle markings assist in repeatable settings
• Translating center beam optics aligns axis of primary reflector with aperture from nadir to 45°

Trim Retention
• Attached by (8) rare earth Neodymium magnets, holds trim securely to the ceiling
• Tether secures trim to housing during service or adjustment

LED Module
• LED array is field replaceable
• Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
• Color accuracy within 3 SDCM and 90 CRI minimum
• Passive cooling achieves L70 at 50,000 hours

Primary Optic
• Precision molded optics deliver highly efficient and uniform patterns
• Various patterns are available and can be interchanged without tools

Media
• Integral media holder accepts up to (2) 2” diameter 3.0mm thick color filters or lens
• Order color filters and lens separately

Trims
• Die cast aluminum trims are available in open, lens and lens wall wash styles
• Polymer non-conductive trim meets many local code requirements for ‘dead front’
• Physical and optical cutoff provides visual comfort
• Light trap eliminates spill light with flange
• Multiple finishes to match many décor
• Available in self-flanged or rimless styles with optional rimless adaptor accessory

Shielding
• Micro-prismatic lens standard with lens trims
• Hinged to allow rimless trim removal
• Order color filters and lens separately

Driver
• Field replaceable constant current driver provides noise free operation
• UNV 120-277VAC 50/60Hz input
• Continuous, flicker-free 1% dimming, available with LE and TE phase cut (at 120V only) and 0-10V analog control

Special Features
Got Nail™ bar hangers
q-Channel bars with Pass-N-Thru™
Slide-N-Side™ junction box
Quick Connect™ push wire nuts
Air-Tite™ code compliant

Compatible Trims

Compatible Trims

TL3R
TL3RMWRL
TL3BBWF / TL3WBF
TL3PIN
TL3PINMW8RL

Junction Box
• Galvanized steel junction box with 18in3 internal volume
• Listed for (12) #12 AWG 90°C splice conductors
• (7) 1/2” conduit pry-outs positioned to allow straight conduit runs
• (Q) Slide-N-Side™ non-metallic (NM) wire traps
• Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
• (3) 4-port push wire nuts mains voltage connections

Compliance
• Type IC inherently protected, suitable for direct contact to air permeable insulation and cULus listed for damp locations
• Not for use in direct contact with spray foam insulation, consult NEMA LDSD-2013
• Wet location listed in covered ceilings and IP44 certified with select trims
• Airtight per ASTM-E283-04
• Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
• EM/RF emissions per FCC 77CFR Part 15 consumer limits
• Contains no mercury or lead and RoHS compliant
• Photometric testing in accordance with IES LM-79-08
• Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
• Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JAB High Efficacy Lighting
• ENERGY STAR® certified, reference certified light fixtures database
HL3 Round Trim Series
Use with HL36A Series Housings

Directional Open

**TL3R Conical Reflector, Open, Self Flanged**
- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**TL3RMW Conical Reflector, Open, Self Flanged**
- Matte white reflector and flange

**TL3RBN Conical Reflector, Open, Self Flanged**
- Brushed nickel reflector and flange

**TL3ROB Conical Reflector, Open, Self Flanged**
- Oil rubbed bronze reflector and flange

**TL3RMWRL Conical Reflector, Open, Rimless**
- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions and can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**TL3BWF / TL3WBWF Conical Baffle, Open, Self Flanged**
- Matte black baffle, matte white flange
- Matte white baffle, matte white flange

**TL3PIN Round Pinhole w/Oculus, Open, Self Flanged**
- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**Dimensions**
- A: 3.22” [81.67mm]
- H: .77” [19.43mm]
- OD: 4.36” [110.84mm]

**Dimensions**
- A: 3.37” [85.60mm]
- H: .74” [18.88mm]
- OD: 3.56” [90.42mm]

**Dimensions**
- A: 3.06” [77.67mm]
- H: .84” [21.23mm]
- OD: 4.36” [110.84mm]
**TL3PINMWBR** Round Pinhole w/Oculus, Open, Rimless

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**TL3R2G** Conical Reflector, Diffuse Lens, Self Flanged

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**TL3R2GMW** Conical Reflector, Diffuse Lens, Rimless

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**TL3PR2GMW** Conical Polymer Reflector, Diffuse Lens, Self Flanged

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.
HL3 Round Trim Series
Use with HL36A Series Housings

TL3R2GBBWFB / TL3R2GWBWF Conical Baffle, Diffuse Lens, Self Flanged

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

TL3PIN2G Round Pinhole w/Oculus, Diffuse Lens, Self Flanged

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

TL3PIN2GMWWBRL Round Pinhole w/Oculus, Diffuse Lens, Rimless

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.
HL3 Round Trim Series
Use with HL36A Series Housings

Lens Wall Wash

**TL3LWW6G Conical Angle Cut Lens Wall Wash, Self Flanged**

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**TL3LWW6GH**
Semi-specular clear reflector and flange

**TL3LWW6GHWF**
Semi-specular clear reflector and matte white flange

**TL3LWW6GMW**
Matte white reflector and flange

Dimensions**
A: 3.50” [88.91mm]
H: .96” [24.45mm]
OD: 4.36” [110.84mm]

**TL3LWW6GMWRL Conical Angle Cut Lens Wall Wash, Rimless**

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**TL3LWW6GMWRL**
Matte white reflector and flange

Dimensions**
A: 3.36” [85.26mm]
H: .87” [22.10mm]
OD: 3.56” [90.42mm]
HL3 LED Series Housing
HL36SA Series

HL36SA
3" IC, Square Shallow New Construction, LED Housing

Recessed 3-inch square aperture LED downlight / directional with field interchangeable optics provide various distribution patterns. Ideal for accent, task and general area lighting. Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions and can be used in direct contact with insulation. Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter. Use where high efficiency, excellent light control and low aperture brightness are required.

Features

Frame
- Galvanized steel plaster frame with integral bar hanger receivers
- Setscrew provide positive horizontal locking
- Collar adjusts vertically to accommodate 1/2" to 7/8" thick ceilings and locks in position with (4) screws
- Use optional collar extender for 7/8" to 1-1/4" thick ceilings
- Integral gun sights facilitate the use of guide strings or laser lines
- Shipped with overspray protector installed

Housing
- Steel housing painted matte black for a visually dark interior
- Removable top allows service from above

Bar Hangers
- GOT NAIL!™ Gen 3 bar hangers adjust from 10-1/2" to 24" wide
- Pass thru feature allows shortening without removal
- Captive nail penetrates standard and engineered lumber
- Mounting flange levels platform with ceiling
- Integral clip attaches directly to tee-bar

Gaskets
- Gaskets achieve restrictive airflow requirements without additional caulking

Adjustment Mechanism
- Rotates 360°, tilts 45° and locks in position maintaining any aiming angle
- Angle markings assist in repeatable settings
- Translating center beam optics aligns axis of primary reflector with aperture from nadir to 45°

Trim Retention
- Attached by (8) rare earth Neodymium magnets, holds trim securely to the ceiling
- Tether secures trim to housing during service or adjustment

LED Module
- LED array is field replaceable
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Color accuracy within 3 SDCM and 90 CRI minimum
- Passive cooling achieves L70 at 50,000 hours

Primary Optic
- Precision molded optics deliver highly efficient and uniform patterns
- Various patterns are available and can be interchanged without tools

Media
- Integral media holder accepts up to (2) 2" diameter 3.0mm thick color filters or lens
- Order color filters and lens separately

Trims
- Die cast aluminum trims are available in open, lens and lens wall wash styles
- Polymer non-conductive trim meets many local code requirements for ‘dead front’
- Physical and optical cutoff provides visual comfort
- Light trap eliminates spill light with flange
- Multiple finishes to match many decors
- Available in self-flanged or rimless styles with optional rimless adaptor accessory

Shielding
- Micro-prismatic lens standard with lens trims
- Hinged to allow rimless trim removal

Driver
- Field replaceable constant current driver provides noise free operation
- UVN 120-277VAC 50/60Hz input
- Continuous, flicker-free 1% dimming, available with LE and TE phase cut (at 120V only) and 0-10V analog control

Special Features
Got Nail!™ bar hangers
q-Channel bars with Pass-N-Thru™ Slide-N-Side™ junction box
Quick Connect™ push wire nuts
Air-Tite™ code compliant

Compatible Trims

| TL33R | TL33RMWRL |
| TL33BWFW / TL33WBWF | TL33R2GB |
| TL33PR2GMW | TLS5PIN |
| TLS5PINMWWBRL | TLS5PIN2G |

Junction Box
- Galvanized steel junction box with 18in3 internal volume
- Listed for (12) #12 AWG 90°C splice conductors
- (7) 1/2" conduit pry-outs positioned to allow straight conduit runs
- (3) Slide-N-Side™ non-metallic (NM) wire traps
- Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 4-port push wire nuts mains voltage connections

Compliance
- Type IC inherently protected, suitable for direct contact to air permeable insulation and CULus listed for damp locations
- Not for use in direct contact with spray foam insulation, consult NEMA LD57-2013
- Wet location listed in covered ceilings and IP44 certified with select trims
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.18 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy LED compliance under JAB, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JAB High Efficacy Lighting
- ENERGY STAR® certified, reference certified light fixtures database
HL3 Square Trim Series
Use with HL36SA Series Housings

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

**Directional Open**

**TLS3R Square Reflector, Open, Self Flanged**

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**TLS3RMWRL Square Reflector, Open, Rimless**

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**TLS3BBWF / TLS3WBWF Square Baffle, Open, Self Flanged**

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**TLS3PIN Square Pinhole w/Oculus, Open, Self Flanged**

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**Specifications, compliances and dimensions subject to change without notice**
**HL3 Square Trim Series**

*Use with HL36SA Series Housings*

**TLS3PINMWBRL Square Pinhole w/Oculus, Open, Rimless**

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**Dimensions**

- A: 3.39" [86.20mm]
- H: .84" [21.29mm]
- OD: 3.56" [90.42mm]

**TLS3R2G Conical Reflector, Diffuse Lens, Self Flanged**

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**TLS3R2GMWRL Square Reflector, Diffuse Lens, Rimless**

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**TLS3PR2GMW Square Polymer Reflector, Diffuse Lens, Self Flanged**

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

**Key:**

- **A:** Luminous Aperture
- **H:** Height
- **ID:** Trim Inside Diameter
- **OD:** Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
HL3 Square Trim Series
Use with HL36SA Series Housings

TLS3R2G BBWF / TLS3R2G WBWF Square Baffle, Diffuse Lens, Self Flanged

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

Dimensions**
A: 3.22” [81.67mm]
H: .77” [19.43mm]
OD: 4.36” [110.84mm]

TLS3PIN2G Square Pinhole w/Oculus, Diffuse Lens, Self Flanged

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required.

Dimensions**
A: 3.38” [85.86mm]
H: .82” [20.83mm]
OD: 4.36” [110.84mm]

TLS3PIN2GM WWB Square Pinhole w/Oculus, Diffuse Lens, Rimless

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required

Dimensions**
A: 3.39” [86.20mm]
H: .84” [21.29mm]
OD: 3.56” [90.42mm]

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
HL3 Square Trim Series
Use with HL36SA Series Housings

Lens Wall Wash

TLS3LWW6G Square Angle Cut Lens Wall Wash, Self Flanged

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required

TLS3LWW6GH
Semi-specular clear reflector and flange

TLS3LWW6GHWF
Semi-specular clear reflector and matte white flange

TLS3LWW6GMW
Matte white reflector and flange

Dimensions**
A: 3.48” [88.42mm]
OD: 4.36” [110.84mm]

TLS3LWW6GMWRL Square Angle Cut Lens Wall Wash, Rimless

- Recessed 3-inch aperture LED downlight / directional with field interchangeable optics provide various distribution patterns.
- Ideal for accent, task and general area lighting.
- Housing is airtight, suitable for 2x6 residential or shallow plenum commercial constructions.
- Can be used in direct contact with insulation.
- Trims are available in a range of finishes and can be installed rimless with an optional rimless adapter.
- Use where high efficiency, excellent light control and low aperture brightness are required

TLS3LWW6GMWRL
Matte white reflector and flange

Dimensions**
A: 3.33” [84.53mm]
H: .87” [22.10mm]
OD: 3.56” [90.42mm]

**Key: A: Luminous Aperture, H: Height, ID: Trim Inside Diameter, OD: Trim Outside Diameter
Specifications, compliances and dimensions subject to change without notice
H4 LED Series Housing

H457ICAT1E

4" IC, Air-Tite, Shallow New Construction, LED Housing

The Halo H4 LED is a family of 4" aperture recessed downlight H457 series of housings designed for exclusive use with Halo EL406, ELG406, ELSG406 series LED light engines and compatible 4" TL4 and TL54 LED trims. Halo H4 LED housings have LED drivers that offer dimming as a standard feature. This is an insulated ceiling* Air-Tite™ housing offering 120 volt dimming capability. The H4 LED series offers high quality downlighting along with high efficacy – the result being great lighting and significant energy savings.

Features

Housing
- Enclosure of formed aluminum construction
- Openings are gasketed Air-Tite
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)

Plaster Frame
- Galvanized steel die-formed construction
- The collar can be removed from plaster frame to provide access to the junction box
- Collar adjusts for ceilings up to 1-1/4" thick
- Plaster frame features include:
  - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Air-Tite aperture gasket is pre-installed
  - Halo identity embossed on plaster frame

Includes:
- Got Nail!™ bar hangers (Details Pg. 13)
- Pass-N-Thru™ bars (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

LED Light Engine Connection
- LED connector is a non-screw base connector offering easy installation with the H4 LED EL406, ELG406, ELSG406 series LED light engines
- This non-screw base connection preserves the high efficacy rating and prevents use of low efficacy sources (see LED module specification)

LED Driver
- LED dimmable driver mounts in the junction box.
- Driver is a 120 volt, high efficiency, electronic power supply providing low voltage power to EL series LED light engines
- Driver meets FCC EMI/RFI consumer level limits for use in residential and commercial installations
- Driver features high power factor and low THD and has integral thermal protection in the event of over temperature or internal failure
- If dimming is not required the fixture can be operated from a standard wall switch

Dimming
- Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimmers with low end trim adjustment offer greater assurance of achieving 5% level.
- Consult dimmer manufacturer for compatibility and conditions of use (Note, some dimmers require a neutral in the wallbox)

Special Features

Got Nail!™ bar hangers
Pass-N-Thru™ bars
Slide-N-Side™ junction box
Quick Connect™ push wire nuts
Air-Tite™ code compliant

Compatible Light Engines

| EL406927 | ELG406927 | ELSG406927 |
| EL406930 | ELG406930 | ELSG406930 |
| EL406935 | ELG406935 | ELSG406935 |
| EL406940 | ELG406940 | ELSG406940 |

Compatible Trims

| TL402 | TL409 | TL411 |
| TL403 | TL410 | TL422 |
| TL408 |

Compliance

- cULus Listed 1598 luminaire
- cULus Listed for damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation* and combustible material
- Use with designated HALO LED systems for ENERGY STAR® certification
- Can be used for State of California Title 24 high efficacy luminaire compliance with EL series LED light engines
- Can be used for International Energy Conservation Code (IECC) high efficacy luminaire compliance
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential

H457ICAT1E Energy Data

| H4 Series LED (Values at non-dimming line voltage) |
| Minimum Starting Temp: 38°C (100°F) |
| EM/RFI: FCC Title 47 CFR, Part 18, [Consumer] |
| Sound Rating: Class A standards |
| Input Voltage: 120V |
| Power Factor: >0.90 |
| Input Frequency: 50/60Hz |
| THD: <20% |
| Input Power: 13W |
| Input Current: 12mA |

Driver Compliance: UL6950, LPS rated
H4 LED Series Housing  
H457RICAT1E

4" IC, Air-Tite, Shallow Remodel, LED Housing

The Halo H4 LED is a family of 4" aperture recessed downlight H457 series of housings designed for exclusive use with Halo EL406, ELG406, ELSG406 series LED light engines and compatible TL4 and TLS4 LED trims. Halo H4 LED housings have LED drivers that offer dimming as a standard feature. This is an insulated ceiling”, Air-Tite”, remodel housing offering 120 Volt dimming capability. The H4 LED series offers high quality downlighting along with high efficacy – the result being great lighting and significant energy savings.

Features

Housing
Single wall formed aluminum construction. Openings are gasketed for Air-Tite installation. 5-1/2" height allows use in shallow joist construction. Air-Tite aperture gasket is pre-installed.

Remodel Arm
Spring steel construction designed for ease of installation and ceiling support of LED driver

Remodel Springs
Four remodel clips secure housing and accommodate 1/2" and 5/8" ceiling material

Includes:
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)

LED Light Engine Connection
- LED connector is a non-screw base connector offering easy installation with the H4 LED EL406, ELG406, ELSG406 series LED light engines
- This non-screw base connection preserves the high efficacy rating and prevents use of low efficacy sources (See LED module specification)

LED Driver
- LED dimmable driver mounts in the junction box
- Driver is a 120 Volt, high efficiency, electronic power supply providing low voltage power to EL series LED light engines
- Driver meets FCC EMI/RFI consumer level limits for use in residential and commercial installations
- Driver features high power factor and low THD and has integral thermal protection in the event of over temperature or internal failure
- If dimming is not required the fixture an be operated from a standard wall switch

Dimming
- Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimmers with low end trim adjustment offer greater assurance of achieving 5% level.
- Consult dimmer manufacturer for compatibility and conditions of use (Note, some dimmers require a neutral in the wallbox)

Compliance
- cULus Listed 1598 luminaire
- cULus Listed for damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material
- Use with designated HALO LED systems for ENERGY STAR® certification
- Can be used for State of California Title 24 high efficacy luminaire compliance with EL series LED light engines
- Can be used for International Energy Conservation Code (IECC) high efficacy luminaire compliance
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.

*Not to be used in direct contact with spray foam insulation (consult NEMA LSD57-2013)

H4 LED Lighting System

A LED Housing  B LED Light Engine  C LED Trim  OR  B LED Adjustable Gimbal and Light Engine

H457RICAT1E Energy Data

H4 Series LED (Values at non-dimming line voltage)

| Minimum Starting Temp | 30°C (86°F) |
| BM/RR: FCC Title 47 CFR, Part 18, (Consumer) |
| Sound Rating: Class A standards |
| Input Voltage: 120V |
| Power Factor: >0.90 |
| Input Frequency: 50/60Hz |
| THD: <20% |
| Input Power: 13W |
| Input Current: 126mA |

Driver Compliance: UL8750, Class II rated

Specifications, compliances and dimensions subject to change without notice
H4 LED Series Housing

**H457TATE010**

4” Non-IC, Shallow New Construction, Dimmable LED Housing

The Halo H4 LED is a family of 4” aperture recessed downlight H457 series of housings designed for exclusive use with Halo EL406, ELG406, ELSG406 series LED light engines and compatible 4” TL4 and TL54 LED trims. Halo H4 LED housings have integral LED drivers that offer dimming as a standard feature. This is a Non-IC, Air-Tite™ housing for non-insulated ceiling installations, universal voltage 120V-277V input, and dimming with either 120V phase control dimmers, or 0-10V DC control systems. The H4 LED series offers high quality downlighting along with high efficacy – the result being great lighting and significant energy savings.

**Features**

**Housing**
- Single wall die-formed construction
- Openings are gasketed

**Plaster Frame**
- Galvanized steel die-formed construction
- Housing can be removed from plaster frame for access to junction box
- Housing adjusts for ceilings up to 1” thickness
- Plaster frame features include:
  - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Air-Tite aperture gasket is pre-installed
  - Halo identity embossed on plaster frame

**Includes:**
- Got Nail™ bar hangers (Details Pg. 13)
- Pass-N-Thru™ bars (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

**LED Light Engine Connection**
- LED connector is a non-screw base connector offering easy installation with the H4 LED EL406, ELG406, ELSG406 series LED light engines
- This non-screw base connection preserves the high efficacy rating and prevents use of low efficacy sources (See LED module specification)

**Driver Compliance:**
- ULus Listed 1598 luminaire
- ULus Listed for damp location
- ULus Listed for wet location, covered ceiling, with select trims

**Compliance**
- For non-insulated ceilings. If ceiling insulation is present, it must be kept 3 inches from all sides of housing.
- Use with designated HALO LED systems for non-residential lighting controls requirements as part of an LED luminaire
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential

**H457TATE010 Energy Data**

- **H4 Series LED (Values at non-dimming line voltage)**
  - Minimum Starting Temp: -30°C (-22°F)
  - EMI/RFI: FCC Title 47 CFR, Part 18, (Consumer)
  - Sound Rating: Class A standards
  - Input Voltage: 120V-277V
  - Power Factor: >0.90
  - Input Frequency: 50/60Hz
  - THD: <25%
  - Input Current: 121mA
  - Input Power: 13W
  - Driver Compliance: UL8750, Class II rated
**4" Non-IC, Shallow Remodel, Dimmable LED Housing**

The Halo H4 LED is a family of 4" aperture recessed downlight H457 series of housings designed for exclusive use with Halo EL406, ELG406, ELSG406 series LED light engines and compatible 4" TL4 and TLS4 LED trims. Halo H4 LED housings feature integral LED drivers that offer dimming as a standard feature. This is a Non-IC, Air-Tite™ remodel housing designed for non-insulated ceiling installations, universal voltage 120V-277V input, and dimming with either 120V phase control dimmers, or 0-10V DC control systems. The H4 LED series offers high quality downlighting along with high efficacy – the result being great lighting and significant energy savings.

### Special Features
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

### Compatible Light Engines
- EL406927
- EL406930
- EL406935
- EL406940
- ELS406927
- ELS406930
- ELS406935
- ELS406940

### Compatible Trims
- TL402
- TL403
- TL408
- TL409
- TL410
- TL411
- TL422

### LED Driver
- LED dimmable driver mounts to the housing junction box
- Driver is a 120V-277V universal voltage, high efficiency, electronic power supply providing low voltage power to EL series LED light engines
- Driver meets FCC EMI/RFI consumer limits for use in residential and commercial installations
- Driver features high power factor and low THD and has integral thermal protection in the event of over temperature or internal failure
- If dimming is not required the fixture can be operated from a standard wall switch

### Dimming - Phase Control
- Designed for continuous dimming to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimming to 5% is best assured using dimmers with low trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note, some dimmers require a neutral in the wallbox)

### Dimming - 0-10V
- Dimmable to 10% with compatible 0-10V DC low voltage dimmers
- 0-10V DC dimmers operate using two low voltage dimming wires (color coded violet and gray). The low voltage dimming wires are separate from the 120V AC or 277V AC power.

### Compliance
- cULus Listed 1598 luminaire
- cULus Listed for damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- Use with designated HALO LED systems for ENERGY STAR® certification
- Can be used to comply with State of California Title 24 non-residential lighting controls requirements as part of an LED luminaire
- For non-insulated ceilings. If ceiling insulation is present, it must be kept 3 inches from all sides of housing.

### H457RTATE010 Energy Data

**H4 Series LED (Values at non-dimming line voltage)**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>Minimum Starting Temp:</td>
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<tr>
<td>EMR/RFI: FCC Type 47 CFR, Part 15, (Consumer)</td>
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<tr>
<td>Sound Rating: Class A standards</td>
<td></td>
</tr>
<tr>
<td>Input Voltage:</td>
<td>120V-277V</td>
</tr>
<tr>
<td>Power Factor:</td>
<td>&gt;0.90</td>
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<tr>
<td>Input Frequency:</td>
<td>50/60Hz</td>
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<tr>
<td>THD:</td>
<td>&lt;25%</td>
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<tr>
<td>Input Power:</td>
<td>10W</td>
</tr>
<tr>
<td>Input Current:</td>
<td>12mA</td>
</tr>
</tbody>
</table>

Driver Compliance: UL8750, Class II rated
The Halo H4 LED is a family of 4" aperture recessed downlight H457 series of housings designed for exclusive use with Halo EL406, ELG406, ELSG406 series LED light engines and compatible 4" TL4 and TLS4 LED trims. Halo H4 LED housings have integral LED drivers that offer dimming as a standard feature. This is a Non-IC, Air-Tite™ housing for non-insulated Chicago Plenum rated installations, universal voltage 120V-277V input, and dimming with either 120V phase control dimmers, or 0-10V DC control systems. The H4 LED series offers high quality downlighting along with high efficacy—the result being great lighting and significant energy savings.

### Features

#### Housing
- Single wall die-formed construction
- Constructed and gasketed to meet Chicago CCEA requirements
- Sealed flex connection from junction box to housing for Chicago Plenum rating
- Openings are gasketed for Air-Tite installation (in Non-IC ceilings)

#### Plaster Frame
- Galvanized steel die-formed construction
- Housing can be removed from plaster frame for access to junction box
- Housing adjusts for ceilings up to 1-1/4" thickness
- Plaster frame features include:
  - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Air-Tite aperture gasket is pre-installed
- Halo identity embossed on plaster frame

#### Includes:
- Got Nail™ bar hangers (Details Pg. 13)
- Pass-N-Thru™ bars (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

#### LED Light Engine Connection
- LED connector is a non-screw base connector offering easy installation with the H4 LED 2nd generation EL406, ELG406, ELSG406 series LED light engines
- This non-screw base connection preserves the high efficacy rating and prevents use of low efficacy sources (See LED module specification)

#### LED Driver
- LED dimmable driver mounts to the housing junction box
- Driver is a 120V-277V universal voltage, high efficiency, electronic power supply providing low voltage power to EL series LED light engines
- Driver meets FCC EMI/RFI consumer level limits for use in residential and commercial installations
- Driver features high power factor and low THD and has integral thermal protection in the event of over temperature or internal failure
- If dimming is not required the fixture can be operated from a standard wall switch

#### Dimming - Phase Control
- Designed for continuous dimming to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use.
- (Note, some dimmers require a neutral in the wallbox)

#### Dimming - 0-10V
- Dimmable to 10% with compatible 0-10V DC low voltage dimmers
- 0-10V DC dimmers operate using two low voltage dimming wires (color coded violet and gray).
  - The low voltage dimming wires are separate from the 120V AC or 277V AC power.
  - Switching on/off is controlled via the line voltage (120V AC or 277V AC power, and dimming is controlled via the 2-wire 0-10V DC low voltage wiring

#### Compatible Trims
- TL411
- TL410
- TL422

#### Compliance
- cULus Listed 1598 luminaire
- cULus Listed for dampl location
- cULus Listed for wet location, covered ceiling, with select trims
- Meets City of Chicago Plenum requirements
- For non-insulated ceilings, if ceiling insulation is present, it must be kept 5 inches from all sides of housing
- Used with designated HALO LED systems for ENERGY STAR® certification
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- Can be used to comply with The State of California Title 24 non residential lighting controls as part of an LED luminaire

### H457TCPE010 Energy Data

<table>
<thead>
<tr>
<th>H4 Series LED (Values at non-dimming line voltage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Starting Temp: -30°C (-22°F)</td>
</tr>
<tr>
<td>EMI/RFI-FCC Title 47 CFR, Part 18, (Consumer)</td>
</tr>
<tr>
<td>Sound Rating: Class A standards</td>
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<tr>
<td>Input Voltage: 120V-277V</td>
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<tr>
<td>Power Factor: &gt;.90</td>
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<tr>
<td>Input Frequency: 50/60Hz</td>
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<tr>
<td>THD: &lt;25%</td>
</tr>
<tr>
<td>Input Power: 13W</td>
</tr>
<tr>
<td>Input Current: 121mA</td>
</tr>
<tr>
<td>Driver Compliance: UL8750, Class II rated</td>
</tr>
</tbody>
</table>
H4 LED Series Light Engine
EL4069xx

**4” LED Light Engine**

The Halo H4 LED is a family of 4” aperture recessed downlights with H457 series housings designed for use with Halo EL406 series LED light engines and compatible TL4 and TLS4 series LED trims. Halo H4 LED is a three part system: EL406 light engines, with TL4/TLS4 trims and H457 housings. H4 LED features 90 CRI color rendering index and offers a superior optical design that yields productive beam lumens, good cutoff and low glare.

**Features**

- **Upper Heat Sink**
  - Durable extruded aluminum construction
  - Conducts heat away from the LED keeping the junction temperatures below specified maximums, even when installed in insulated ceilings

- **Lower Heat Sink**
  - Durable die-cast aluminum construction
  - Precision keyed flange designed to lock with matching keyed slots in H4 trim rings
  - Works in conjunction with the upper heat sink for heat conduction away from the LED

- **Friction Blades:**
  - Precision formed stainless steel spring blades provide retention of the EL406 series of light engines in the H457 series housings
  - Friction blade design allows the light engine to be installed in any position within the housing aperture (360 degrees)

- **LED Connection**
  - LED connector is non-screw base offering easy installation with the H457 series housings
  - LED connector is compliant with high efficacy luminaire code requirements as a non-screw base socket
  - Separate grounding cable included on the module for attachment to the housing during installation

**Color Specification & Quality Standards**

- Halo employs a tight chromaticity specification and LED color binning process to ensure LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) consistency over the useful life of the LED
- Halo H4 LED chromaticity specification is 3 SDCM which exceeds ENERGY STAR® color standards (as per ANSI 78.377)
- Every Halo LED module is quality tested and performance measured on the production line, and serialized to register lumens, wattage, CRI and CCT
- Halo LED’s serialized testing and measurement process further ensures color and lumen consistency to meet stringent EATON lighting specifications and exceed ENERGY STAR® and State of California standards

- **LED**
  - Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, 4000K*
  - Color Rendering Index (CRI): 90 (R9 > 50)
  - LED package consisting of an engineered array of multiple LEDs to create one virtual source, for a productive “cone of light”
  - Lumen maintenance L70 at 50,000 hours
  - 450-900 lumens, range dependent on CCT and trim*
  - Designed for interchangeable trim choices, with selection from multiple reflector, baffle, and lens trim options

**Compliance**

- Use with designated HALO LED systems for ENERGY STAR® certification
- Can be used to comply with California Title 24 high efficacy requirements. Title 20 Certified for residential compliance.
- International Energy Conservation Code – IECC high efficacy requirements when used with designated LED trims
- LED emits no ultraviolet and only minimal infrared wavelengths
- RoHS compliant
- Wet location listed, protected ceiling with H4 lensed downlight trims
- Electrical/energy data - refer to H457 housings (LED driver is integral to housing)

**Compatible Housings**

- H457ICATE
- H457RICATE
- H457TATE010
- H457RTATE010
- H457TCPE010

**Compatible Trims**

- TL402
- TL409
- TL411
- TL403
- TL410
- TL422
- TL408

**Selection of Light Engine**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal CCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL406927</td>
<td>2700</td>
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<tr>
<td>EL406930</td>
<td>3000</td>
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<tr>
<td>EL406935</td>
<td>3500</td>
</tr>
<tr>
<td>EL406940</td>
<td>4000</td>
</tr>
</tbody>
</table>

*Trim type and color temperature determines the delivered lumen value. Refer to specification sheets and photometric files at www.eaton.com/lighting

**H4 LED Lighting System**

A. LED Housing
B. LED Light Engine
C. LED Trim

Specifications, compliances and dimensions subject to change without notice
H4 LED Series Trims
Use with EL4069xx Light Engines

**TL402 Solite® Regressed Lens Reflector**
- Precision formed aluminum reflector
- Die cast trim ring
- Standard trim ring provides clearance for remodeler flange and gasket
- Trim and gasket provides Air-Tite™ installation
- Solite® lens high-clarity low-iron glass for high-lumen transmission and diffusion of source brightness
- Wet location listed, covered ceilings
- Compatible with optional TL400 designer trim rings

**TL403 Solite® Regressed Lens Baffle**
- Precision formed aluminum baffle
- Die cast trim ring
- Standard trim ring provides clearance for remodeler flange and gasket
- Trim and gasket provides Air-Tite™ installation
- Solite® lens high-clarity low-iron glass for high-lumen transmission and diffusion of source brightness
- Wet location listed, covered ceilings
- Compatible with optional TL400 designer trim rings

**TL408 Solite® Square Glass Lens Baffle**
- Precision formed aluminum baffle
- Die cast trim ring
- Standard trim ring provides clearance for remodeler flange and gasket
- Trim and gasket provides Air-Tite™ installation
- Solite® lens high-clarity low-iron glass for high-lumen transmission and diffusion of source brightness
- Wet location listed, covered ceilings

**TL409 Wall Wash Reflector with Diffuse Dome Lens**
- Precision formed aluminum reflector
- Die cast trim ring
- Standard trim ring provides clearance for remodeler flange and gasket
- Polymer (plastic) diffusing dome lens
- Wet location listed, covered ceilings
- Trim and gasket provides Air-Tite™ installation
- Compatible with optional TL400 designer trim rings
- High-reflectance, specular wall wash kick reflector

**Specifications, compliances and dimensions subject to change without notice.**
H4 LED Series Trims
Use with EL4069xx Light Engines

TL410 Deep Regressed Reflector with Diffuse Dome Lens
- Precision formed aluminum reflector
- Die cast trim ring
- Standard trim ring provides clearance for remodeler flange and gasket
- Trim and gasket provides Air-Tite® installation
- Polymer (plastic) diffusing dome lens
- Wet location listed, covered ceilings
- Compatible with optional TL400 designer trim rings

TL411 Deep Regressed Baffle Trims with Diffuse Dome Lens
- Precision formed aluminum baffle
- Die cast trim ring
- Standard trim ring provides clearance for remodeler flange and gasket
- Trim and gasket provides Air-Tite® installation
- Polymer (plastic) diffusing dome lens
- Wet location listed, covered ceilings
- Compatible with optional TL400 designer trim rings

TL422 “Dead-Front” Polymer Shower Baffle with Prismatic Lens
- Precision formed polymer (plastic) baffle and trim ring
- Prismatic, clear flat polymer (plastic) lens
- Standard trim ring provides clearance for remodeler flange and gasket
- Shower trim front is non-electrically conductive “dead-front”
- Trim and gasket provides Air-Tite® installation
- Wet location listed, covered ceilings

TL400 Designer Trim Rings
- Optional accessory
- Replaces standard ring included with TL4 round trims
- Die cast trim ring
- Thin tapered profile provides subtle ceiling appearance (0.120” at OD and 0.180” at ID)

**Key: A: Luminous Aperture, H: Height, ID: Trim Inside Diameter, OD: Trim Outside Diameter**
Halo H4 LED adjustable gimbals, ELG406 series, combine an adjustable gimbal trim and LED light engine for use with H457 series housings. The H4 LED adjustable gimbals feature 35° tilt and offer interchangeable optics with three beam distributions of 25°, 35°, and 50°. H4 LED offers 90 CRI color rendering index and four color temperatures 2700K, 3000K, 3500K, 4000K. Three high-quality trim finishes of white, satin nickel, and tuscan bronze are available. Halo LED offers high quality, fit, finish, and performance in an energy-efficient, high efficacy gimbal.

Features

Upper Heat Sink
- Durable aluminum construction
- Conducts heat away from the LED keeping the junction temperatures below specified maximums, even when installed in insulated ceiling housings

Gimbal
- Precision designed fit and finish
- Die-cast aluminum with snap-in front loading ring allowing interchange of beam forming reflectors
- Gimbal front ring holds one lens media. Clear glass lens is included. Optional lens media such as L111 soft focus may be used in place of clear glass lens.
- 35° tilt adjustment with friction fit to heat sink
- Smooth travel from nadir to 35°
- Works with the upper heat sink for thermal conduction away from the LED

Friction Blades:
- Precision formed stainless steel spring blades provide retention of the EL406 series of light engines in the H457 series housings
- Friction blade design allows the light engine to be installed in any position within the housing aperture (360 degrees)

LED Connection
- LED connector is non-screw base offering easy installation with the H457 series housings
- LED connector is compliant with high efficacy luminaire code requirements as a non-screw base socket
- Separate grounding cable included on the module for attachment to the housing during installation

H4 LED Lighting System

LED Housing

LED Adjustable Gimbal and Light Engine

Compatible Housings

H457CAT1E
H457RICAT1E
H457TATE010
H457TATE010
H457TATE010
H457TATE010

Compatible LED
- Correlated Color Temperature (CCT): 2700°K, 3000°K, 3500°K, 4000°K
- Color Rendering Index (CRI): 90 (R9 > 50)
- LED emits no ultraviolet and minimal infrared wavelengths
- 700-330 nominal lumens, dependent on CCT and trim*
- Lumen maintenance L70 at 50,000 hours

Compliance
- Use with designated HALO LED systems for ENERGY STAR® certification
- Can be used to comply with California Title 24 high efficacy requirements. Title 20 Certified for residential compliance.
- International Energy Conservation Code (IECC) high efficacy requirements when used with designated LED trims
- RoHS compliant
- Damp location listed with H457 LED housings
- Electrical/Energy Data refer to H457 LED housings (LED driver is integral to housing)

Selection of Gimbal Light Engine

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal CCT</th>
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</thead>
<tbody>
<tr>
<td>ELG406927</td>
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<td>3500</td>
</tr>
<tr>
<td>ELG406940</td>
<td>4000</td>
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</tbody>
</table>

*Trim type and color temperature determines the delivered lumen value. Refer to specification sheets and photometric files at www.eaton.com/lighting
Featuring unique interchangeable beam-forming optics, full range dimming and multiple color temperatures and trim options, the Halo AllSlope LED downlight system is specifically designed for slope ceiling applications with pitch aiming from 2/12 (10°) to 12/12 (45°). The innovative design allows the LED light engine full adjustment capability so it can be aimed straight down in accordance with the ceiling pitch, resulting in outstanding performance and appearance. The three piece system consists of a choice of a 6” aperture housing, available in 1200 series or 1800 series, LED light engines with three interchangeable optics and a trim selection from a full line of compatible trims including reflectors, baffles and lens choices. The high-efficiency, energy-saving solution provides up to 73% in energy savings with virtually no maintenance for residential, hospitality, retail and institutional needs.
**AllSlope LED IC Housing**

**HL612ICAT**

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**HL612ICAT - HLM69xx**

6” IC, Air-Tite, New Construction, LED Housing, 120V – 277V

Recessed 6” sloped ceiling LED ICAT housing for insulated ceilings* from 2/12 to 12/12 pitch. The socket aiming mechanism tilts the lamp straight down regardless of ceiling pitch. Rotational collar allows trim alignment of up to 20 degree rotation. The HL612 system consists of 1) housing with integral LED driver, 2) high efficacy LED light engine with a selection of beam-forming lenses, and 3) slope trim. Housing is suitable for residential or commercial installations in insulated ceilings* and features Air-Tite code compliant construction.

### Features

**Housing**
- Single wall square aluminum housing construction
- Sealed and gasketed for Air-Tite ASTM E283 compliance
- Shipped with overspray protector installed
- Mechanism can be removed from the plaster frame to provide access to the junction box

**Plaster Frame**
- Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 1-3/8” ceiling thickness.
- Regressed locking screw for securing hanger bars
- Cutouts included for easily crimping hanger bars in position
- Bar hangers can be repositioned at 90°

**Aiming Mechanism**
- Exclusive socket aiming mechanism tilts and rotates to properly align the LED light engine
- LED light engine may be tilted and locked to accommodate 2/12 to 12/12 pitch
- LED light engine and trim may be rotated laterally up to 20 degrees for compound slope ceilings or to compensate off-axis aiming

**Includes:**
- Got Nail™ bar hangers (Details Pg. 13)
- Pass-N-Thru™ bars (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

**LED Light Engines (Order Separately)**
- Turn-to-lock base provides secure retention of the LED light engine to the aiming mechanism, and provides a low-voltage electrical quick-connector
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, 4000K
- Color Rendering Index (CRI): 90 (R9 > 50)
- 745 – 1750 Nominal lumens, range dependent on CCT and trim**
- Lumen maintenance: L70 at 50,000 hours

**Beam Forming Lenses (Interchangeable)**
- HLM6 LED light engines are designed to accept H6 series lens optics
- The 40-degree Flood (FL) lens is included with the LED light engine, and may be ordered separately as a replacement
- Alternate beam options are offered in 25° Narrow Flood (NFL) and 55° Wide Flood (WFL), ordered separately
- The interchangeable lenses feature beam distribution with refined visual shielding to control beam angle and lumen delivery in accommodating various ceiling heights

**Compliance**
- cULus Listed for feed through
- cULus Listed for direct contact with insulation* and combustible material
- Energy Code compliant
- ENERGY STAR® certified luminaire
- Can be used for California Title 24 Compliance, Title 20 Certified for residential compliance
- Can be used for International Energy Conservation Code (IECC) compliance
- EMU/RFI per FCC 47 CFR Part 15 Class B consumer limits suitable for use in commercial and residential installations
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- Junction box features a separate compartment for 0-10V DC low voltage dimming connections, to comply with NEC
- RoHS compliant

* Not to be used in direct contact with spray foam insulation (Refer to NEMA LSD57-2013)

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**Compatible LED Light Engines & Trims**

**Light Engines**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal CCT</th>
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<td>3500</td>
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<td>HLM6940</td>
<td>4000</td>
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</table>

**Trims**

- 455
- 456
- 70
- 73

---

**Selection of Light Engine**

**Model Number**

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<th>Model Number</th>
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</table>

**Trim type and color temperature determines the delivered lumen value. Refer to specification sheets and photometric files at www.eaton.com/lighting**

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**Halo Recessed Catalog - LED Recessed Downlighting**

Specifications, compliances and dimensions subject to change without notice.
AllSlope LED Non-IC Housing

HL618TAT - HLM69xx
6" Non-IC, Air-Tite, New Construction, LED Housing, 120V – 277V

HL618TCP - HLM69xx
6" Non-IC, Air-Tite, New Construction, LED Housing, Chicago Plenum, 120V – 277V

Recessed 6" sloped ceiling LED Non-IC housing for non-insulated ceilings* from 2/12 to 12/12 pitch. The socket aiming mechanism tilts the lamp straight down regardless of ceiling pitch. Rotational collar allows trim alignment of up to 20 degree rotation. The HL618 system consists of 1) housing with integral LED driver, 2) high efficacy LED light engine with a section of beam-forming lenses, and 3) slope trim. Housing is suitable for residential or commercial installations in non-insulated ceilings* and features Air-Tite code compliant construction.

Features

Housing
- Single wall square aluminum housing construction
- Sealed and gasketed for Air-Tite ASTM E293 compliance
- Shipped with overspray protector installed
- Mechanism can be removed from the plaster frame to provide access to the junction box
- Chicago Plenum model is constructed and gasketed in accordance with City of Chicago CCEA requirements

Plaster Frame
- Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 1-3/8" ceiling thickness.
- Regressed locking screw for securing hanger bars
- Cutouts included for easily crimping hanger bars in position
- Bar hangers can be repositioned at 90°

Aiming Mechanism
- Exclusive socket aiming mechanism tilts and rotates to properly align the LED light engine
- LED light engine may be tilted and locked to accommodate 2/12 to 12/12 pitch
- LED light engine and trim may be rotated laterally up to 20 degrees for compound slope ceilings or to compensate off-axis aiming

Includes:
- Got Nail™ bar hangers (Details Pg. 13)
- Pass-N-Thru™ bars (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

LED Light Engines (Order Separately)
- Turn-to-lock base provides secure retention of the LED light engine to the aiming mechanism, and provides a low-voltage electrical quick-connector
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, 4000K
- Color Rendering Index (CRI): 85+ (R9 > 50)
- 970 - 2285 nominal lumens, range dependent on CCT and trim**
- Lumen maintenance: L70 at 50,000 hours

Beam Forming Lenses (Interchangeable)
- HLM6 LED light engines are designed to accept H6 LED series lens optics
- The 40-degree Flood (FL) lens is included with the LED light engine, and may be ordered separately as a replacement
- Alternate beam options are offered in 25° Narrow Flood (NFL) and 55° Wide Flood (WFL), ordered separately
- The interchangeable lenses feature beam distributions with refined visual shielding to control beam angle and lumen delivery in accommodating various ceiling heights

Compliance
- cULus Listed for feed through
- Energy Code compliant
- ENERGY STAR® certified luminaire
- Can be used to comply with California Title 24 non-residential lighting controls requirements as a LED luminaire
- EM/RFI per FCC 47CFR Part 15 Class B consumer limits suitable for use in commercial and residential installations
- Chicago Plenum model (HL618TCP) is specially constructed and marked for Chicago Plenum applications (CCEA)
- Air-Tite code compliant. Certified under ASTM E283, not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- Junction box features a separate compartment for 0-10V DC low voltage dimming connections, to comply with NEC
- RoHS compliant

Selection of Light Engine**

**Trim type and color temperature determines the delivered lumen value. Refer to specification sheets and photometric files at www.eaton.com/lighting

Specifications, compliances and dimensions subject to change without notice

HALO Halo Recessed Catalog - LED Recessed Downlighting
AllSlope LED System

## HL6 Series Ordering Information

### 1. Housing
- **HL612ICAT** - 6” Slope ceiling, insulated ceiling rated, Air-Tite, recessed housing, UNV 120V-277V
- **HL618TAT** - 6” Slope ceiling, non-insulated ceiling rated, Air-Tite, recessed housing, UNV 120V-277V
- **HL618TCP** - 6” Slope ceiling recessed housing, non-insulated ceiling rated, CEEA marked for Chicago Plenum, UNV 120V-277V

### 3. LED Trims

#### Reflector - OD: 7-1/4” [184mm]
- 455SS - Specular clear reflector, white metal trim ring
- 455SH - Semi-specular haz reflector, white metal trim ring
- 455SN - Satin nickel reflector, satin nickel metal trim ring
- 455TBZ - Tuscan bronze reflector, tuscan bronze metal trim ring

#### Baffles - OD: 7-1/4” [184mm]
- 461W - White Collex baffle, white metal trim ring
- 461P - Black Collex baffle, white metal trim ring

#### Lenses and Diffusers "Dead-Front" - OD: 6” [203mm]
- 70P - Opal glass lens, white polymer trim ring
- 70PS - Opal glass lens, white polymer trim ring, wet location - Showerlight
- 70SN - Satin nickel glass lens, satin nickel metal trim ring

### Accessories (Order Separately)

#### Oversize Trim Rings
- **OT400P** - Oversize flat white metal trim ring 6” x 1-1/4” OD (ring slips behind trim, in stepped configuration)
- **OT403P** - Oversize white plastic trim ring 6” x 1-1/4” OD (ring slips behind trim, in stepped configuration)
- **TRM690WH** - Oversize matte white metal trim ring. Designed to inset into oversize ring for an even (non-stepped) trim surface.

### Designer Trim Rings
- **OD 7-1/4” [184mm] 6” Designer trim rings, for 455 and 456 trims
- **TRM6MC** - Chrome metal
- **TRM6SN** - Satin metal
- **TRM6TBZ** - Tuscan bronze metal
- **TRM6MB** - Black metal

### HL6 Energy Data

#### HL612ICAT (1200 Series)
- Min. operating temperature: -30°C/-22°F
- Input Voltage: 120V 277V
- Input Current (A): 0.16 0.07
- Input Power (W): 19.1 20.0
- Input Frequency: 50/60Hz
- TLID: < 20%
- Power Factor: > 0.9
- Sound Rating: Class A

#### HL618TAT & HL618TCP (1800 Series)
- Min. operating temperature: -30°C/-22°F
- Input Voltage: 120V 277V
- Input Current (A): 0.23 0.10
- Input Power (W): 27.6 27.0
- Input Frequency: 50/60Hz
- TLID: < 20%
- Power Factor: > 0.9
- Sound Rating: Class A

---

**LED Driver**

- Integral to the housing, 120V-277V 50/60 Hz universal voltage, constant current dimmable driver provides high efficiency operation
- Driver meets FCC 47CFR Part 15 EMI/RFI consumer limits for use in residential and commercial installations
- Driver features high power factor and low THD and has integral thermal protection in the event of over temperature or internal failure
- Driver is specifically designed for compatibility with HLM6 LED light engines
- If dimming is not required the fixture can be operated from a standard wall switch

**Dimming**

#### Phase Control

- Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers.
- Dimmers with low end trim adjustment offer greater assurance of achieving 5% level
- Consult dimmer manufacturer for compatibility and conditions of use. (Note, some dimmers require a neutral in the wallbox)

#### 0-10V

- Dimmable to 10% in typical operation with compatible 0-10V DC low voltage dimmers
- 0-10V DC dimmers operate using two low voltage dimming wires (color coded violet and gray). The low voltage dimming wires are separate from the 120V AC or 277V AC power.
- Switching on/off is controlled via the line voltage (120V AC or 2 V AC) power, and dimming is controlled via the 2-wire 0-10V DC low voltage wiring

**Color Specification & Quality Standards**

- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- High color performance with 90 CRI minimum, and R9 greater than 50
- LED color uniformity of ± SDCM exceeds ENERGY STAR® color standards per ANSI C78.377-2008
- Halo LED serialized testing and measurement ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time
- Lumen maintenance L70 at 50,000 hours
<table>
<thead>
<tr>
<th>Series</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLB Series</td>
<td>112</td>
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<tr>
<td>HLA Series</td>
<td>118</td>
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<tr>
<td>RL-DM Series</td>
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<td>SMD-DM Series</td>
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<td>BLD Series</td>
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<td>CLD Series</td>
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<td>SLD Series</td>
<td>136</td>
</tr>
<tr>
<td>HLC Series</td>
<td>141</td>
</tr>
</tbody>
</table>
Halo offers a series of Direct Mount (DM) products which can be installed directly into the ceiling with no additional junction box or housing required. This version of Halo downlights provides a quick installation and flush finish with the ceiling.

**Direct Mounts with a remote driver / junction box**

The MicroEdge HLB, MicroEdge HLA and RL-DM LED modules work with a remote driver / junction box that is ideal for new construction and renovation work. Simplified installation in drywall or suspended ceilings eliminates recessed cans saving time and money.

---

**Easy Installation**

1. Cut a hole in drywall using a hole saw or with the provided template.
2. Wire to the remote junction box.
3. Fold both of the spring clips upward.
4. Push the fixture up into place.

*Images show installation of the round HLB. Templates are provided with the product to help with cutting the hole.

The HLB can install from below the ceiling in as little as a 1-1/2” plenum height.
Direct Mounts with an on board driver / junction box

The SMD-DM modules work with an integral driver and junction box pre-installed on the back of the fixture. It is ideal for new construction and renovation work. Simplified installation in drywall or suspended ceilings eliminates recessed cans saving time and money.

SMD4R-DM  SMD4S-DM  SMD6R-DM  SMD6S-DM

Easy Installation*

1. Cut a hole in drywall with the provided template.
2. Wire to the integrated fixture junction box.
3. Fold both of the spring clips upward.
4. Push the fixture up into place.

*Images show installation of the square SMD-DM. Follow the same steps for the round products.

Specifications, compliances and dimensions subject to change without notice
HLB3

3” Ultra-thin LED Lens Round or Square Downlight
The HLB3 is a 3-inch ultra-thin round or square LED lens downlight with remote driver / junction box suitable for new construction and remodel applications. Simplified installation in drywall or suspended ceilings eliminates recessed cans saving time and money. Installs from below the ceiling in as little as 3-1/2” plenum height, can be used in direct contact with insulation and is airtight. Use for general area lighting in low to medium height ceilings where energy savings, long life and economy are required.

Features

Housing
- Die cast aluminum mounting frame with integral flange provides passive thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications
- High impact diffuse lens provides shielding to the light guide minimizing pixilation

Gasket
- Closed cell gasket achieves restrictive airflow and wet location listing without additional gaskets or caulking
- Optional Mounting Frame
- Pre-galvanized steel mounting frame locates fixture fittings during electrical rough in and provides cutout guidance for drywall contractor

Optics
- Precision acrylic light guide organizes source flux into wide distribution with 1.4 spacing criteria, useful for general area illumination

LED Array
- Plurality of mid power LED’s provides a uniform source with high efficiency and long life
- Available in 90 CRI minimum, R9 greater than 50 provides high color rendering
- Fixed 2700, 3000, 3500 and 4000 K CCT color temperatures, color accuracy within 3 SDCM
- Meets Energy Star color angular uniformity requirements, deviation is less than 0.004 u’ v’

Remote Driver / Junction Box
- Pre-galvanized steel driver / junction box with captive hinged junction box cover
- Listed for (6) #12 AWG 90˚ C splice conductors, 2-in, 2-out plus (2) ground
- (2) ½” conduit pry-outs
- (2) Slide-N-Side™ non-metallic (NM) wire traps allows wiring outside the box
- Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
- Integral mounting slots facilitate direct mounting to building structure or mounting frame

Driver
- 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers
- Plenum rated inline electrical quick connect provides low voltage connection to fixture fitting

Installation
- Can be installed in 1/2” to 1-1/4” thick ceilings
- Cutout template provided
- Heat treated springs hold fixture fitting securely in the ceiling eliminating light leaks
- Can be removed from below the ceiling for service or replacement

Compliance
- cULus certified type IC suitable for direct contact with air permeable insulation
- Not recommended for use in direct contact with spray foam insulation, reference NEMA LSD57-2013
- Wet location listed and IP44 ingress protection
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JA8 High Efficacy Lighting
- ENERGY STAR certified, reference “Certified Light Fixtures” database

HLB3 Energy Data

<table>
<thead>
<tr>
<th>Feature</th>
<th>HLB3</th>
<th>HLB3S</th>
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</thead>
<tbody>
<tr>
<td>Lumens</td>
<td>500 Series</td>
<td>500 Series</td>
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<tr>
<td>Input Voltage</td>
<td>120V</td>
<td>120V</td>
</tr>
<tr>
<td>Input Current</td>
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<td>100 (mA)</td>
</tr>
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<td>Input Power</td>
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<td>9.0 (W)</td>
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<tr>
<td>Efficiency</td>
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<td>60 (LPW)</td>
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<td>Inrush (A)</td>
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<td>≤ 20%</td>
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<td>≥ 0.90</td>
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<tr>
<td>T Ambient</td>
<td>-30˚ - +40˚C</td>
<td>-30˚ - +40˚C</td>
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<tr>
<td>Sound Rating</td>
<td>≤ 22 dba</td>
<td>≤ 22 dba</td>
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### HALB3 & HALB3S Series Ordering Information

**Halo Recessed Catalog - LED Surface & Direct Mount**

**HLB3 Series Ordering Information**

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT (CRI)</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLB3</td>
<td>65-500</td>
<td>927-90 CRI minimum, 2700K CCT</td>
<td>1E-120V 60Hz, LE &amp; TE phase cut 5% dimming</td>
<td>MW- matte white flange</td>
<td>R- recyclable 4-color unit carton suitable for point of purchase merchandising display</td>
<td>HLB3RSMF - 3” round and square mounting frame HLB3R0TMW - 3” round oversized trim, matte white HLB3RTRMMW - 3” round decorative overlay, matte white HLB3RTRMSN - 3” round decorative overlay, satin nickel HLB3RTRMTBZ - 3” round decorative overlay, tuscan bronze</td>
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</tbody>
</table>

**Halo Recessed Catalog - LED Surface & Direct Mount**

**HLB3S Series Ordering Information**

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT (CRI)</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLB3S</td>
<td>65-500</td>
<td>927-90 CRI minimum, 2700K CCT</td>
<td>1E-120V 60Hz, LE &amp; TE phase cut 5% dimming</td>
<td>MW- matte white flange</td>
<td>R- recyclable 4-color unit carton suitable for point of purchase merchandising display</td>
<td>HLB3RSMF - 3” round and square mounting frame HLB3R0TMW - 3” round oversized trim, matte white HLB3RTRMMW - 3” round decorative overlay, matte white HLB3RTRMSN - 3” round decorative overlay, satin nickel HLB3RTRMTBZ - 3” round decorative overlay, tuscan bronze</td>
</tr>
</tbody>
</table>
HLB4 & HLB4S Series

HLB4

4" Ultra-thin LED Lens Round or Square Downlight

The HLB4 is a 4-inch ultra-thin round or square LED lens downlight with remote driver / junction box suitable for new construction and remodel applications. Field selectable color temperature and high color rendering provide excellent color performance. Simplified installation in drywall or suspended ceilings eliminates recessed cans saving time and money. Installs from below the ceiling in as little as 1-1/2" plenum height, can be used in direct contact with insulation and is airtight. Use for general area lighting in low to medium height ceilings where energy savings, long life and economy are required.

Features

Housing
- Die cast aluminum mounting frame with integral flange provides passive thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications
- High impact diffuse lens provides shielding to the light guide minimizing pixilation.

Gasket
- Closed cell gasket achieves restrictive airflow and wet location listing without additional gaskets or caulking.

Optics
- Precision acrylic light guide organizes source flux into wide distribution with 1.4 spacing criteria, useful for general area illumination

LED Array
- Plurality of mid power LED’s provides a uniform source with high efficiency and long life
- Available in 90 CRI minimum, R9 greater than 50 provides high color rendering
- Fixed 3000 and 4000 K CCT color temperatures, color accuracy within 3 SDCM
- Optional field selectable color temperature, select 2700, 3000, 3500, 4000 or 5000 K CCT, color accuracy within 4 SDCM
- Meets ENERGY STAR® color angular uniformity requirements, deviation is less than 0.006 u’/v’

Remote Driver/Junction Box
- Pre-galvanized steel driver / junction box with captive hinged junction box cover
- Listed for (3) #12 AWG 90˚ C splice conductors, 2-in, 2-out plus (2) ground
- (2) ½" conduit pry-outs
- (2) Slide-N-Side™ non-metallic (NM) wire traps allows wiring outside the box
- Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
- Integral mounting holes facilitate direct mounting to building structure or mounting frame

Driver
- 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers
- Plenum rated inline electrical quick connect provides low voltage connection to fixture fitting

Installation
- Can be installed in 1/2" to 1-1/4" thick ceilings
- Cutout utilizes standard round hole saw sizes, cutout template provided
- Heat treated springs hold fixture fitting securely in the ceiling eliminating light leaks
- Housing is less than ½" thick and can span a 2" nominal framing member
- Can be removed from below the ceiling for service or replacement

Optical Mounting Frame
- Pre-galvanized steel mounting frame locates fixture fittings during electrical rough in and provides cutout guidance for drywall contractor
- Provides attachment of remote driver / junction box

Compliance
- cULus certified type IC suitable for direct contact with air permeable insulation
- Not recommended for use in direct contact with spray foam insulation, reference NEMA LSD07-2013
- Wet location listed and IP44 ingress protection
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy LED compliance under JAB, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JAB High Efficacy Lighting
- ENERGY STAR® certified, reference “Certified Light Fixtures” database

HLB4 Energy Data

<table>
<thead>
<tr>
<th></th>
<th>HLB4</th>
<th>HLB4S</th>
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</thead>
<tbody>
<tr>
<td>Lumens</td>
<td>600</td>
<td>600</td>
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<tr>
<td>Input Voltage</td>
<td>120V</td>
<td>120V</td>
</tr>
<tr>
<td>Input Current</td>
<td>100 (mA)</td>
<td>90 (mA)</td>
</tr>
<tr>
<td>Input Power</td>
<td>12.0 (W)</td>
<td>10.5 (W)</td>
</tr>
<tr>
<td>Efficiency</td>
<td>60 (LPW)</td>
<td>68 (LPW)</td>
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<tr>
<td>Inrush (A)</td>
<td>2.3 A @42mS</td>
<td>2.2 A @54mS</td>
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<tr>
<td>THD</td>
<td>≤ 20%</td>
<td>≤ 20%</td>
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<tr>
<td>PF</td>
<td>≥ 0.90</td>
<td>≥ 0.90</td>
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<tr>
<td>T Ambient</td>
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<td>-30 - +40°C</td>
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<td>Sound Rating</td>
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### HLB4 Series Ordering Information

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<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT (CRI)</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
<th>Accessories</th>
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<tbody>
<tr>
<td>HLB4 = 4-Inch ultra-thin LED lens downlight with remote driver / junction box</td>
<td>60 - 600 lumen (nominal)</td>
<td>930 = 90 CRI minimum, 3000 K CCT 940 = 90 CRI minimum, 4000 K CCT 9FS = 90 CRI minimum, field selectable 2700, 3000, 3500, 4000 or 5000 K CCT</td>
<td>1E = 120V 60Hz, LE &amp; TE phase cut 5% dimming</td>
<td>MW = matte white flange</td>
<td>R = recyclable 4-color unit carton suitable for point of purchase merchandizing display</td>
<td>HLB4RSMF = 4” round and square mounting frame HLB4RTRMMW = 4” round oversized trim, matte white HLB4RTRMSN = 4” round decorative overlay, satin nickel HLB4RTRMTBZ = 4” round decorative overlay, tuscan bronze</td>
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### HLB4S Series Ordering Information

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<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
<th>Accessories</th>
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</thead>
<tbody>
<tr>
<td>HLB4S = 4-Inch ultra-thin LED square lens downlight</td>
<td>60 - 600 lumen (nominal)</td>
<td>930 = 90 CRI minimum, 3000 K CCT 940 = 90 CRI minimum, 4000 K CCT 9FS = 90 CRI minimum, field selectable 2700, 3000, 3500, 4000 or 5000 K CCT</td>
<td>1E = 120V 60Hz, LE &amp; TE phase cut 5% dimming</td>
<td>MW = matte white flange</td>
<td>R = recyclable 4-color unit carton suitable for point of purchase merchandizing display</td>
<td>HLB4RSMF = 4” round and square mounting frame HLB4RTRMMW = 4” round oversized trim, matte white HLB4RTRMSN = 4” round decorative overlay, satin nickel HLB4RTRMTBZ = 4” round decorative overlay, tuscan bronze</td>
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</tbody>
</table>
HLB6

6” Ultra-thin LED Lens Round or Square Downlight

The HLB6 is a 6-inch ultra-thin round or square LED lens downlight with remote driver / junction box suitable for new construction and remodel applications. Field selectable color temperature and high color rendering provide excellent color performance. Simplified installation in drywall or suspended ceilings eliminates recessed cans saving time and money. Installs from below the ceiling in as little as 1-1/2” plenum height, can be used in direct contact with insulation and is airtight. Use for general area lighting in low to medium height ceilings where energy savings, long life and economy are required.

Features

Housing
- Die cast aluminum mounting frame with integral flange provides passive thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications
- High impact diffuse lens provides shielding to the light guide minimizing pixilation

Gasket
- Closed cell gasket achieves restrictive airflow and wet location listing without additional gaskets or caulking

Optics
- Precision acrylic light guide organizes source flux into wide distribution with 1.4 spacing criteria, useful for general area illumination
- Fixed color temperature, select 2700, 3000, 3500, 4000 or 5000 K CCT, color accuracy within 4 SDCM
- Meets ENERGY STAR® color angular uniformity requirements, deviation is less than 0.006 u’ v’

Remote Driver/Junction Box
- Die formed metal driver / junction box with captive hinged junction box cover
- Listed for (6) #12 AWG 90˚ C splice conductors, 2-in, 2-out plus (2) ground
- (2) 1/2” conduit pry-outs
- (2) Slide-N-Side™ non-metallic (NM) wire traps allows wiring outside the box
- Accepts 14-2, 14-3, 12-2 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
- Integral mounting holes facilitate direct mounting to building structure or mounting frame

Driver
- 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers
- Plenum rated inline electrical quick connect provides low voltage connection to fixture fitting

Installation
- Can be installed in 1/2” to 1-1/4” thick ceilings
- Can be removed from below the ceiling for service or replacement

Optional Mounting Frame
- Pre-galvanized steel mounting frame locates fixture fittings during electrical rough in and provides cutout guidance for drywall contractor

Compliance
- cULus certified type IC suitable for direct contact with air permeable insulation
- Not recommended for use in direct contact with spray foam insulation, reference NEMA LSD07-2013
- Wet location listed and IP44 ingress protection
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy LED compliance under JAB, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JAB High Efficacy Lighting
- ENERGY STAR® certified, reference “Certified Light Fixtures” database

HLB6 Energy Data

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<tr>
<td>Input Current</td>
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</tr>
<tr>
<td>Input Power</td>
<td>16.0 (W)</td>
<td>14.0 (W)</td>
</tr>
<tr>
<td>Efficiency</td>
<td>66 (LPW)</td>
<td>66 (LPW)</td>
</tr>
<tr>
<td>lm/As (A)</td>
<td>2.1A @84mS</td>
<td>2.2 A @84mS</td>
</tr>
<tr>
<td>THD</td>
<td>≤ 20%</td>
<td>≤ 20%</td>
</tr>
<tr>
<td>PF</td>
<td>≥ 0.90</td>
<td>≥ 0.90</td>
</tr>
<tr>
<td>T Ambient</td>
<td>-30°C to +40°C</td>
<td>-30°C to +40°C</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>≤ 22 dba</td>
<td>≤ 22 dba</td>
</tr>
</tbody>
</table>
LED Direct Mount
HLB6 & HLB6S Series

Halo Recessed Catalog - LED Surface & Direct Mount

Specifications, compliances and dimensions subject to change without notice

HLB6 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT (CRI)</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLB6 = 6-Inch ultra-thin LED lens downlight with remote driver / junction box</td>
<td>09 = 900 lumen (nominal)</td>
<td>930 = 90 CRI minimum, 3000 K CCT</td>
<td>1E = 120V 60Hz, LE &amp; TE phase cut 5% dimming</td>
<td>MW = matte white flange</td>
<td>R = recyclable 4-color unit carton suitable for point of purchase merchandising display</td>
<td>HLRSMF = 6&quot; round and square mounting frame</td>
</tr>
<tr>
<td></td>
<td></td>
<td>90 – 90 CRI minimum, 4000 K CCT</td>
<td></td>
<td></td>
<td></td>
<td>HLBGROTMW = 6&quot; round oversize trim, matte white</td>
</tr>
<tr>
<td></td>
<td>940 = 90 CRI minimum, 4000 K CCT</td>
<td>9FS = 90 CRI minimum, field selectable</td>
<td>2700, 3000, 3500, 4000 or 5000 K CCT</td>
<td></td>
<td></td>
<td>HLBGTRMMW = 6&quot; round decorative overlay, matte white</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2700, 3000, 3500, 4000 or 5000 K CCT</td>
<td></td>
<td></td>
<td></td>
<td>HLBGTRMSN = 6&quot; round decorative overlay, satin nickel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9FS = 90 CRI minimum, field selectable</td>
<td></td>
<td></td>
<td></td>
<td>HLBGTRMTBZ = 6&quot; round decorative overlay, tuscan bronze</td>
</tr>
</tbody>
</table>

HLB6S Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT (CRI)</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLB6S = 6-Inch ultra-thin LED square lens downlight with remote driver / junction box</td>
<td>09 = 900 lumen (nominal)</td>
<td>930 = 90 CRI minimum, 3000 K CCT</td>
<td>1E = 120V 60Hz, LE &amp; TE phase cut 5% dimming</td>
<td>MW = matte white flange</td>
<td>R = recyclable 4-color unit carton suitable for point of purchase merchandising display</td>
<td>HLRSMF = 6&quot; round and square mounting frame</td>
</tr>
<tr>
<td></td>
<td></td>
<td>90 – 90 CRI minimum, 4000 K CCT</td>
<td></td>
<td></td>
<td></td>
<td>HLBGROTMW = 6&quot; round oversize trim, matte white</td>
</tr>
<tr>
<td></td>
<td>940 = 90 CRI minimum, 4000 K CCT</td>
<td>9FS = 90 CRI minimum, field selectable</td>
<td>2700, 3000, 3500, 4000 or 5000 K CCT</td>
<td></td>
<td></td>
<td>HLBGTRMMW = 6&quot; round decorative overlay, matte white</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2700, 3000, 3500, 4000 or 5000 K CCT</td>
<td></td>
<td></td>
<td></td>
<td>HLBGTRMSN = 6&quot; round decorative overlay, satin nickel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9FS = 90 CRI minimum, field selectable</td>
<td></td>
<td></td>
<td></td>
<td>HLBGTRMTBZ = 6&quot; round decorative overlay, tuscan bronze</td>
</tr>
</tbody>
</table>

Specifications, compliances and dimensions subject to change without notice
HLA4

4” Ultra-thin LED Lens Round or Square Directional Downlight

The HLA4 is a 4-inch ultra-thin round or square LED directional with remote driver / junction box suitable for new construction and remodel applications. Field selectable color temperature and high color rendering provide excellent color performance. Simplified installation in drywall or suspended ceilings eliminates recessed cans saving time and money. Installs from below the ceiling in as little as 1-1/2” plenum height, can be used in direct contact with insulation and is airtight. Use for accent or task lighting in low to medium height ceilings where energy savings, long life and economy are required.

Features

Housing
• Die cast aluminum mounting frame with round or square flange
• Gimbal rotates 360° and tilts ± 35° holding any aiming angle
• Aluminum heat sink provides passive thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications

Gasket
• Closed cell gasket achieves restrictive airflow and wet location listing without additional gaskets or caulking

Optics
• Pre-galvanized steel mounting frame locates fixture fittings during electrical rough in and provides cutout guidance for drywall contractor
• Provides tool-less attachment of remote driver / junction box

LED Array
• Plurality of mid power LED’s provides a uniform source with high efficiency and long life
• Available in 90 CRI minimum, R9 greater than 50 provides high color rendering
• Field selectable color temperature, select 2700, 3000, 3500, 4000 or 5000 K CCT, color accuracy within 4 SDCM
• Meets ENERGY STAR® color angular uniformity requirements, deviation is less than 0.006 u° v°

Remote Driver/Junction Box
• Pre-galvanized steel driver / junction box with captive hinged junction box cover
• Listed for (6) #12 AWG 90˚ C splice conductors, 2-in, 2-out plus (2) ground
• (2) ½” conduit pry-outs
• (2) Slide-N-Side™ non-metallic (NM) wire traps allows wiring outside the box
• Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
• (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
• Integral mounting slots facilitate direct mounting to building structure or mounting frame

Driver
• 120V 60 Hz constant current driver provides noise free operation
• Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers
• Plenum rated inline electrical quick connect provides low voltage connection to fixture fitting

Installation
• Can be installed in 1/2” to 1-1/4” thick ceilings
• Cutout utilizes standard round hole saw sizes, cutout template provided
• Heat treated springs hold fixture fitting securely in the ceiling eliminating light leaks
• Can be removed from below the ceiling for service or replacement

Compliance
• cULus certified type IC suitable for direct contact with air permeable insulation
• Not recommended for use in direct contact with spray foam insulation, reference NEMA LSD57-2013
• Wet location listed and IP44 ingress protection
• Airtight per ASTM-E283-04
• Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
• EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
• Contains no mercury or lead and RoHS compliant
• Photometric testing in accordance with IES LM-79-08
• Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
• Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JA8 High Efficacy Lighting
• ENERGY STAR® certified, reference “Certified Light Fixtures” database

HLA4 Energy Data

| 90 CRI | 600 |
| Lumens | 600 |
| Input Voltage | 120V |
| Input Current | 90 (mA) |
| Input Power | 10.5 (W) |
| Efficiency | 60 (LPW) |
| Inrush (A) | 1.9 A @54mS |
| THD | ≤ 20% |
| PF | ≥ 0.90 |
| T Ambient | -30 - +40°C |
| Sound Rating | ≤ 22 dba |
**HLA4 Series Ordering Information**

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>Distribution</th>
<th>CRI / CCT (CRI)</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLA4 = 4-Inch LED round</td>
<td>600 lumen</td>
<td>VWF - 80° very wide flood</td>
<td>930 = 90 CRI minimum, 3000 K CCT</td>
<td>1E = 120V 60Hz, LE &amp; TE</td>
<td>MW = matte white flange</td>
<td>R = recyclable 4-color unit carton</td>
</tr>
<tr>
<td>HLA4 Series Ordering Information</td>
<td></td>
<td></td>
<td>940 = 90 CRI minimum, 4000 K CCT</td>
<td></td>
<td></td>
<td>suitable for point of purchase merchandising display</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>950 = 90 CRI minimum, field selectable</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>2700, 3000, 4000 or 5000 K CCT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1E = 120V 60Hz, LE &amp; TE phase cut 5% dimming</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>MW = matte white flange</td>
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</tr>
<tr>
<td>HLA4S Series Ordering Information</td>
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<td></td>
<td>R = recyclable 4-color unit carton suitable for point of purchase merchandising display</td>
<td></td>
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</tr>
</tbody>
</table>

**Accessories**

- **HL4RSMF** = 4” round and square mounting frame
- **HLS4GTMW** = 4” round oversized trim, matte white
- **HLB4TRMMW** = 4” round decorative overlay, matte white
- **HLB4TRMSN** = 4” round decorative overlay, satin nickel
- **HLB4TRMTBZ** = 4” round decorative overlay, tuscan bronze
- **HLB06EC** = 6’ extension cable
- **HLB12EC** = 12’ extension cable
- **HLB20EC** = 20’ extension cable

**Oversized Trim**

- **HLB4SOTMW** = 4” square oversized trim, matte white
- **HLB4STRMMW** = 4” square decorative overlay, matte white
- **HLB4STRMSN** = 4” square decorative overlay, satin nickel
- **HLB4STRMTBZ** = 4” square decorative overlay, tuscan bronze

**Designer Trims**

- **HLB4RSMF** = 4” round & square mounting frame
- **HLB4GTMW** = 4” round, matte white
- **HLB4TRMMW** = 4” round, white (paintable)
- **HLB4TRMSN** = 4” round, satin nickel
- **HLB4TRMTBZ** = 4” round, tuscan bronze
- **HLB4RSMF** = 4” round & square mounting frame

**HLA4S Series Ordering Information**

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>Distribution</th>
<th>CRI / CCT (CRI)</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
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</thead>
<tbody>
<tr>
<td>HLA4S = 4-Inch LED square</td>
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<td>1E = 120V 60Hz, LE &amp; TE</td>
<td>MW = matte white flange</td>
<td>R = recyclable 4-color unit carton</td>
</tr>
<tr>
<td>HLA4S Series Ordering Information</td>
<td></td>
<td></td>
<td>940 = 90 CRI minimum, 4000 K CCT</td>
<td></td>
<td></td>
<td>suitable for point of purchase merchandising display</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>950 = 90 CRI minimum, field selectable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2700, 3000, 4000 or 5000 K CCT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1E = 120V 60Hz, LE &amp; TE phase cut 5% dimming</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MW = matte white flange</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Accessories**

- **HL4RSMF** = 4” round and square mounting frame
- **HLB4GTMW** = 4” square, matte white
- **HLB4TRMMW** = 4” square, white (paintable)
- **HLB4TRMSN** = 4” square, satin nickel
- **HLB4TRMTBZ** = 4” square, tuscan bronze
- **HLB06EC** = 6’ extension cable
- **HLB12EC** = 12’ extension cable
- **HLB20EC** = 20’ extension cable
LED Direct Mount

RL4-DM Series

RL4-DM

4" LED Direct Mount Retrofit Module with SeleCCT able switch

The Halo RL4 Direct Mount is a SeleCCT able complete LED Baffle-Trim Module for 4-inch aperture applications, all without the need for a recessed housing; suitable for new construction, remodel and retrofit installation. Using the CCT selectable switch users can chose between five different color temperatures. The RL family offers a regressed lens that provides uniform illumination and wet location listing. Precision construction makes this product AIR-TITE for added savings and code compliance.

Features

CCT Select System
- Use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT

Module - Trim
- Module construction includes LED Array, heat sink, reflector, lens, baffle and trim ring.
- Regressed baffle
- Heat sink designed to conduct heat away from the LED Array

LED Array
- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy within 3 SDCM at the CCT endpoints and 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has a selectable range from 2700K to 5000K (factory default 3000K)

Optical Assembly
- Regressed lens
- Impact-resistant polycarbonate
- Convex form and lamp-like appearance
- Diffuse for even illumination

Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Remote Driver/Junction Box
- Aluminum driver / junction box with captive hinged junction box cover
- Listed for (6) #12 AWG 90°C splice conductors, 2-in, 2-out plus (2) ground
- (2) ½" conduit pry-outs
- (2) Slide-N-Side™ non-metallic (NM) wire traps all
- Accepts 14-2, 14-3, 12-2, 12-3 U.S and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
- Integral keyhole mounting slots facilitate direct mounting to building structure or new construction mounting frame

Driver
- Integral 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5%
- Plenum rated inline electrical quick connect provides low voltage connection to fixture fitting

Installation
- Can be installed in 1/2" to 1-1/4" thick ceilings
- Cutout can utilize standard round hole saw sizes, cutout template provided
- Heat treated springs hold fixture fitting securely in the ceiling eliminating light leaks
- Can be removed from below the ceiling for service or replacement

Mounting/Retention
- The RL-DM requires no housing or third party junction box
- The remote enclosure may be used in direct contact with insulation.
- Installer must cut template out of drywall and install into aperture with the clips compressed.
- When released, the spring clips will rest on to the back side of the drywall
- Not for installation in recessed cans

Compliance
- UL Certified for US and Canada
- Wet and Damp location listed
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance.  Complies with Title 24 JAB-2016-E.
- Can be used International Energy Conservation Coe (IECC) and Washington State Energy Code high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings

RL4-DM Energy Data @ 3000K

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumens</td>
<td>600</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>120V</td>
</tr>
<tr>
<td>Input Current</td>
<td>74 (mA)</td>
</tr>
<tr>
<td>Input Power</td>
<td>8.7 W</td>
</tr>
<tr>
<td>Efficiency</td>
<td>75.3 (PW)</td>
</tr>
<tr>
<td>Inrush (A)</td>
<td>2.1 A</td>
</tr>
<tr>
<td>THD</td>
<td>&lt; 20%</td>
</tr>
<tr>
<td>PF</td>
<td>&gt; 0.90</td>
</tr>
<tr>
<td>T Ambient</td>
<td>-30° - 40°C</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>&lt; 26dbA</td>
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</table>
LED Direct Mount
RL4-DM Series

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT (CRI)</th>
<th>Driver</th>
<th>Finish</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>RL4 = 4” all-purpose retrofit LED module</td>
<td>06 = 600 lumen (nominal)</td>
<td>9S = 90 CRI minimum, white tuning, selectable CCT 2700K-5000K</td>
<td>1E = 120V 60Hz leading or trailing edge phase cut 5% dimming</td>
<td>WH = matte white baffle</td>
<td>DM = Direct Mount</td>
</tr>
</tbody>
</table>

Accessories
HL4NCMF = 4” round new construction mounting frame
HL4RSMF = 4” round and square mounting frame

Specifications, compliances and dimensions subject to change without notice
LED Direct Mount
RL6-DM Series

RL6-DM

6" LED Direct Mount Retrofit Module with SeleCCTable switch

The Halo RL6 Direct Mount is a SeleCCTable complete LED Baffle-Trim Module for 6 inch aperture applications, all without the need for a recessed housing; suitable for new construction, remodel and retrofit installation. Using the CCT selectable switch users can chose between five different color temperatures. The RL family offers a regressed lens that provides uniform illumination and wet location listing. Precision construction makes this product AIR-TITE for added savings and code compliance.

Features

CCT Select System
- Use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT

Module - Trim
- Module construction includes LED Array, heat sink, reflector, lens, baffle and trim ring.
- Regressed baffle
- Heat sink designed to conduct heat away from the LED Array

LED Array
- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy within 3 SDCM at the CCT endpoints and 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has an selectable range from 2700K to 5000K (factory default 3000K)

Optical Assembly
- Regressed lens
- Impact-resistant polycarbonate
- Convex form and lamp-like appearance
- Diffuse for even illumination

Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Remote Driver/Junction Box
- Aluminum driver / junction box with captive hinged junction box cover
- Listed for (6) #12 AWG 90˚C splice conductors, 2-in, 2-out plus (2) ground
- (2) ½" conduit pry-outs
- (2) Slide-N-Side™ non-metallic (NM) wire traps all
- Accepts 14-2, 14-3, 12-2, 12-3 U.S and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
- Integral keyhole mounting slots facilitate direct mounting to building structure or new construction mounting frame

Driver
- Integral 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5%.
- Plenum rated inline electrical quick connect provides low voltage connection to fixture fitting

Installation
- Can be installed in 1/2" to 1-1/4" thick ceilings
- Cutout can utilize standard round hole saw sizes, cutout template provided
- Heat treated springs hold fixture fitting securely in the ceiling eliminating light leaks
- Can be removed from below the ceiling for service or replacement

Mounting/Retention
- The RL-DM requires no housing or third party junction box
- The remote enclosure may be used in direct contact with insulation.
- Installer must cut template out of drywall and install into aperture with the clips compressed.
- When released, the spring clips will rest on to the back side of the drywall
- Not for installation in recessed cans

Compliance
- UL Certified for US and Canada
- Wet and Damp location listed
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JAB-2016-E.
- Can be used International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings

RL6-DM Energy Data @ 3000K

<table>
<thead>
<tr>
<th>90 CRI</th>
<th>Lumens</th>
<th>Input Voltage</th>
<th>Input Current</th>
<th>Input Power</th>
<th>Efficiency</th>
<th>IES (A)</th>
<th>THD</th>
<th>PF</th>
<th>T Ambient</th>
<th>Sound Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>600</td>
<td>120V</td>
<td>74 (mA)</td>
<td>8.7 W</td>
<td>82.4 (LPW)</td>
<td>3.1 A @146ms</td>
<td>≤ 20%</td>
<td>≥ 0.90</td>
<td>-30 - +40°C</td>
<td>≤ 20dba</td>
<td></td>
</tr>
</tbody>
</table>
LED Direct Mount
RL6-DM Series

Specifications, compliances and dimensions subject to change without notice

**RL6-DM Series Ordering Information**

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT (CRI)</th>
<th>Driver</th>
<th>Finish</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>RL6 = 6&quot; all-purpose retrofit LED module</td>
<td>06 = 600 lumen (nominal)</td>
<td>9S = 90 CRI minimum, white tuning, selectable CCT 2700K-5000K</td>
<td>1E = 120V 60Hz leading or trailing edge phase cut 5% dimming</td>
<td>WH = matte white baffle</td>
<td>DM = Direct Mount</td>
</tr>
</tbody>
</table>

**Accessories**

- HL6NCMF = 6" round new construction mounting frame
- HL6RSMF = 6" round and square mounting frame

Specifications, compliances and dimensions subject to change without notice
SMD4-DM Series

4” LED Round and Square Direct Mount

The Halo Surface Mount LED Downlight (SMD) is an ultra-low profile surface mounting luminaire with a modern look and high performance. SMD4-DM (4” with spring clips) is designed for new installation into drywall, without any additional housing or junction box needed. Suitable for residential or commercial installations. Ideal for general areas, closets, storage areas, attics and basements. Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5).

Features

**Housing**
- Non-electrically conductive polycarbonate frame.
- High impact diffuse polystyrene lens provides shielding to the light guide with no pixilation.
- Stamped aluminum housing provides thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications.

**Gaskets**
- Closed cell gasket achieves restrictive airflow and wet location requirements without additional caulking.

**Optics**
- Precision acrylic light guide organizes source flux into wide distribution with 1.2 – 1.4 spacing criteria useful for general area illumination.

**LED**
- Mid power led array provide a uniform source with high efficiency and long life.
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 3 SDCM provide color accuracy and uniformity.

**Driver**
- Integral 120V 50/60Hz constant current driver provides noise free operation.
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers.
- Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for condition of use. (Note some dimmers require a neutral in the wallbox.)
- Inline electrical quick connect (provided) provides mains connections.

**Mounting/Retention**
- The SMD-DM with Spring Clips requires no housing or junction box.
- The integral enclosure may be used in direct contact with insulation including spray foam insulation.
- Installer must cut template out of drywall, and install into the aperture with the clips compressed.
- When released, the spring clips will rest on to the back side of the drywall.
- Installer must ensure secure fit and wiring. This includes all applicable national and local electrical and building codes.

**Compliance**
- cULus listed / certified for use with Halo housings, classified for use with other’s housings, see instruction sheet for conditions of acceptability.
- Wet and Damp Location listed, airtight per ASTM-E283
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)
- EM/RFI emissions per FCC 47CFR Part 15B
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Can be used for State of California Title 24 high efficacy luminaire compliance, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings.
- Can be used for International Energy Conservation Coe (IECC) and Washington State Energy Code high efficiency luminaire compliance.

**SMD4-DM Energy Data @ 5000K**

<table>
<thead>
<tr>
<th>Lumens</th>
<th>Round</th>
<th>Square</th>
</tr>
</thead>
<tbody>
<tr>
<td>786</td>
<td>810</td>
<td>810</td>
</tr>
<tr>
<td>810</td>
<td>810</td>
<td>810</td>
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<tr>
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<td>810</td>
<td>810</td>
</tr>
<tr>
<td>810</td>
<td>810</td>
<td>810</td>
</tr>
</tbody>
</table>

**Sound Rating**
- Class A
- Class A

**SMD4-DM Series Ordering Information**

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Finish</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMD4R = 4” Round Surface Mount Downlight, 120V</td>
<td>6 – 600 lumen series</td>
<td>927 = 90CRI, 2700K</td>
<td>WH = white</td>
<td>DM = Direct Mount</td>
</tr>
<tr>
<td>SMD4S = 4” Square Surface Mount Downlight, 120V</td>
<td>6 – 600 lumen series</td>
<td>936 = 90CRI, 3000K</td>
<td>WH = white</td>
<td>DM = Direct Mount</td>
</tr>
</tbody>
</table>

Specifications, compliances and dimensions subject to change without notice.
LED Direct Mount
SMD6-DM Series

SMD6-DM
6” LED Round and Square Direct Mount

The Halo Surface Mount LED Downlight (SMD) is an ultra-low profile surface mounting luminaire with a modern look and high performance. SMD6-DM (6” with spring clips) is designed for new installation into drywall, without any additional housing or junction box needed. Suitable for residential or commercial installations. Ideal for general areas, closets, storage areas, attics and basements. Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5).

Features
Housing
- Non-electrically conductive polycarbonate frame.
- High impact diffuse polystyrene lens provides shielding to the light guide with no pixilation
- Stamped aluminum housing provides thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications

Gaskets
- Closed cell gasket achieves restrictive airflow and wet location requirements without additional caulking

Optics
- Precision acrylic light guide organizes source flux into wide distribution with 1.2 – 1.4 spacing criteria useful for general area illumination

LED
- Mid power led array provide a uniform source with high efficiency and long life.
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 3 SDCM provide color accuracy and uniformity

Driver
- Integral 120V 50/60Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers.
- Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox.)
- Inline electrical quick connect (provided) provides mains connections

Mounting/Retention
- The SMD-DM with Spring Clips requires no housing or junction box
- The integral enclosure may be used in direct contact with insulation including spray foam insulation.
- Installer must cut template out of drywall, and install into the aperture with the clips compressed.
- When released, the spring clips will rest on the back side of the drywall.
- Installer must ensure secure fit and wiring. This includes all applicable national and local electrical and building codes

Compliance
- cULus listed / certified for use with Halo housings, classified for use with other’s housings, see instruction sheet for conditions of acceptability.
- Wet and Damp Location listed, airtight per ASTM-E283
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)
- EM/RF emissions per FCC 47CFR Part 15B
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Contains no mercury or lead and RoHS compliant.
- Can be used for State of California Title 24 high efficacy luminaire compliance, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings.
- Can be used for International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire compliance

SMD6-DM Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Finish</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMD6R 6” Round Surface Mount Downlight, 120V</td>
<td>6 – 600 lumen series</td>
<td>927 – 90CRI, 2700K</td>
<td>940 – 90CRI, 4000K</td>
<td>WH – white</td>
</tr>
<tr>
<td>SMD6S 6” Square Surface Mount Downlight, 120V</td>
<td>6 – 600 lumen series</td>
<td>930 – 90CRI, 3000K</td>
<td>950 – 90CRI, 5000K</td>
<td>DM – Direct Mount</td>
</tr>
</tbody>
</table>
LED Surface Mount

BLD4 Series

BLD4

4” Backlit LED Downlight

The Halo Backlit LED Downlight (BLD) incorporates state of the art lighting technology to create an ultra-low profile surface mounting luminaire with the performance and look of a traditional downlight. BLD4 is designed for installation in many 3-1/2” and 4” round or octagon junction boxes including pancake boxes. It can also retrofit in 4” aperture IC and Non-IC recessed housings. Suitable for residential or commercial installations.

Features

Construction

- Stamped aluminum housing and frame

Optics

- Precision engineered optic provides uniform luminance from a low profile convex lens

LED

- Backlit LED technology
- Color Temperature options include: standard 3000K dedicated or SeleCCTable configuration including 2700K, 3000K, 3500K, 4000K and 5000K options.
- 90 CRI is standard
- L70 at 50,000 hours projected in accordance with TM-21

Driver

- Integral 120V 60Hz constant current driver provides virtually noise free operation.
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers. See dimming guide.
- Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wall box.)
- Inline electrical quick connect and E26 adapter (provided) provides mains connections.

Electrical Junction Box Mounting

- BLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Suitable for installation in many 3-1/2” and 4” octagon and round electrical junction boxes.
- Dedicated CCT SKUs are compatible with compact (pancake) junction boxes
- Selectable CCT configuration, driver consumes 3 cubic inches of junction box, selectable CCT configuration is not compatible with pancake junction boxes.
- Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building code Recessed Housing Mounting
- Can be installed in industry standard 4-inch recessed housings using friction mounting springs and (E26) medium base adapter provided.
- Not for use in recessed housings in direct contact with spray foam insulation refer to NEMA LSD 57-2013

Warranty

- Five year limited warranty. consult website for details. www.eaton.com/lighting/legal

Compliance

- cULus certified for use with Halo housings and other's housings, see instruction sheet for conditions of acceptability.
- Wet and Damp Location listed, airtight per ASTM-E283 (protected ceiling only)
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.
- EMI/RFI emissions per FCC 47CFR Part 15B
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Can be used for State of California Title 24 high efficacy luminaire compliance, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings.
- Can be used for International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire Compliance
- ENERGY STAR® Certified luminaire - consult ENERGY STAR® Certified Product List

BLD4 Energy Data

<table>
<thead>
<tr>
<th></th>
<th>3000K Dedicated</th>
<th>SeleCCTable 2700K-5000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumens</td>
<td>690</td>
<td>812</td>
</tr>
<tr>
<td>Wattage</td>
<td>8.2W</td>
<td>10.3W</td>
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<tr>
<td>Input Current</td>
<td>0.07</td>
<td>0.087</td>
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<tr>
<td>Efficacy</td>
<td>84.1 LPW</td>
<td>77.9 LPW</td>
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<tr>
<td>THD</td>
<td>15.1%</td>
<td>11.9%</td>
</tr>
<tr>
<td>Frequency</td>
<td>60 Hz</td>
<td>60 Hz</td>
</tr>
<tr>
<td>T Ambient</td>
<td>-30 - +40°C</td>
<td>-30 - +40°C</td>
</tr>
<tr>
<td>Voltage</td>
<td>120V</td>
<td>120V</td>
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<td>Class A</td>
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<tr>
<td>Power Factor</td>
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<td>0.99</td>
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LED Surface Mount

BLD4 Series

BLD4 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>Color Rendering Index (CRI)</th>
<th>Finish</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD4 = 4” Surface LED downlight, 120V (Includes hardware kits for junction box and recessed housing mounting)</td>
<td>06 – 600 lumen series</td>
<td>93 – 90 CRI, 3000K</td>
<td>WH – Matte white</td>
<td>Blank – 120V</td>
</tr>
<tr>
<td></td>
<td>06 – 900 lumen series</td>
<td>9S – 90 CRI, Selectable 2700K, 3000K, 3500K, 4000K &amp; 5000K</td>
<td>WH – Matte white</td>
<td>Blank – 120V</td>
</tr>
</tbody>
</table>

Housing Compatibility

<table>
<thead>
<tr>
<th>Models</th>
<th>Recessed Can Size</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HALO LED</td>
<td>4”</td>
<td>H995ICAT, H995RICAT, H245ICAT, H245RICAT</td>
</tr>
<tr>
<td>HALO0</td>
<td>4”</td>
<td>H99ICAT, H99TAT, H99RTAT, E4ICATSB, E4TATSB, E4RTATSB</td>
</tr>
</tbody>
</table>

Compatible with Eaton’s Crouse-Hinds Junction Box (Order Separately)

- **TP316** - for non-metallic (NM) cable
- **TP317** - for metal clad cable
- **UL Listed**
- Refer to www.crouse-hinds.com

Compatible with many other Junction Boxes*

- **4” octagon light fixture/fan steel box**
  4” x 4” x 2-1/8” (102mm x 102mm x 54mm)

- **4” octagon steel box**
  4” x 4” x 1-1/2” (102mm x 102mm x 38mm)

- **4” round new work non-metallic box with hanger bar assembly**
  4” diameter x 2-3/16” (102mm x 56mm)

- **4” round new work non-metallic light fixture/fan box**
  4” diameter x 2-3/16” (102mm x 56mm)

- **3-1/2” round new work non-metallic ceiling box**
  3-1/2” diameter x 2-3/4” (89mm x 70mm)

- **3-1/2” round old work non-metallic box**
  4-1/4” O.D. flange, 3-1/2” I.D. x 2-5/8” (108mm O.D., 89mm I.D. x 67mm)

- **4” round surface mount box**
  4” diameter x 1-1/2” (102mm x 38mm)

- **Round ceiling pan**
  4” diameter x 13/16” (102mm x 21mm)

*This is a representative list of compatible junction boxes only. Information contained in this literature about other manufacturers’ products is from published information made available by the manufacturer and is deemed to be reliable, but has not been verified. Eaton makes no specific recommendation on product selection and there are no warranties of performance or compatibility implied. Installer must determine that site conditions are suitable to allow proper installation of the mounting bracket in the box.
LED Surface Mount
BLD6 Series

BLD6
6" Backlit LED Downlight
The Halo Backlit LED Downlight (BLD) incorporates state of the art lighting technology to create an ultra-low profile surface mounting luminaire with the performance and look of a traditional downlight. BLD6 is designed for installation in many 3-1/2" and 4" round or octagon junction boxes including pancake boxes. It can also retrofit in 5" or 6" aperture IC and Non-IC recessed housings. Suitable for residential or commercial installations.

Features

Construction
Stamped aluminum housing and frame

Optics
• Precision engineered optic provides uniform luminance from a low profile convex lens

LED
• Backlit LED technology
• Color Temperature options include: standard 3000K dedicated or SeleCCTable configuration including 2700K, 3000K, 3500K, 4000K and 5000K options.
• 90 CRI is standard
• L70 at 50,000 hours projected in accordance with TM-21

Driver
• Integral 120V 60Hz constant current driver provides virtually noise free operation.
• Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers. See dimming guide.
• Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wall box.)
• Inline electrical quick connect and E26 adapter (provided) provides mains connections.

Electrical Junction Box Mounting
• BLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
• Suitable for installation in many 3-1/2" and 4" octagon and round electrical junction boxes.
• Dedicated CCT SKU6s are compatible with compact (pancake) junction boxes
• Selectable CCT configuration, driver consumes 3 cubic inches of junction box, selectable CCT configuration is not compatible with pancake junction boxes
• Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building coded Recessed Housing Mounting Torsion Spring 5" & 6"
• Precision formed torsion spring bracket kit included
• The torsion springs adjust on the mounting plate to fit 5" or 6" compatible housings
• Not for use in recessed housings in direct contact with spray foam insulation refer to NEMA LSD 57-2013

Warranty
• Five year limited warranty, consult website for details.

Compliance
• cULus certified for use with Halo housings and other's housings, see instruction sheet for conditions of acceptability.
• Wet and Damp Location listed, airtight per ASTM-E283 (protected ceiling only)
• Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.
• EMI/RFI emissions per FCC 47CFR Part 15B
• Contains no mercury or lead and RoHS compliant.
• Photometric testing in accordance with IES LM-79-08
• Lumen maintenance projections in accordance with IES LM-79-08 and TM-21-11.
• Can be used for State of California Title 24 high efficacy luminaire compliance, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings.
• Can be used for International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire Compliance
• ENERGY STAR® Certified luminaire - consult ENERGY STAR® Certified Product List

BLD6 Energy Data

<table>
<thead>
<tr>
<th></th>
<th>3000K Dedicated</th>
<th>SeleCCTable 2700K-5000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumens</td>
<td>700</td>
<td>812</td>
</tr>
<tr>
<td>Wattage</td>
<td>8.2W</td>
<td>10.3W</td>
</tr>
<tr>
<td>Input Current</td>
<td>0.07</td>
<td>0.088</td>
</tr>
<tr>
<td>Efficacy</td>
<td>85.4 LPW</td>
<td>78.8 LPW</td>
</tr>
<tr>
<td>THD</td>
<td>14.3%</td>
<td>11.8%</td>
</tr>
<tr>
<td>Frequency</td>
<td>60 Hz</td>
<td>60 Hz</td>
</tr>
<tr>
<td>T Ambient</td>
<td>-30 ~ +40°C</td>
<td>-30 ~ +40°C</td>
</tr>
<tr>
<td>Voltage</td>
<td>120V</td>
<td>120V</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>Class A</td>
<td>Class A</td>
</tr>
<tr>
<td>Power Factor</td>
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## LED Surface Mount
### BLD6 Series

#### BLD4 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>Color Rendering Index (CRI)</th>
<th>Finish</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD6 = 6” Backlit LED downlight</td>
<td>06 = 600 lumen series</td>
<td>90 = 90CRI, 3000K</td>
<td>WH = Matte white</td>
<td>Blank = 120V</td>
</tr>
<tr>
<td></td>
<td>08 = 800 lumen series</td>
<td>930 = 90CRI, Selectable 2700K, 3000K, 3500K, 4000K &amp; 5000K</td>
<td>WH = Matte white</td>
<td>Blank = 120V</td>
</tr>
</tbody>
</table>

#### Housing Compatibility

<table>
<thead>
<tr>
<th>Models</th>
<th>Recessed Can Size</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HALO LED</td>
<td>Compatible Halo LED Housings with LED luminaire connector (high-efficacy compliant)</td>
<td>H550ICAT, H550RICAT, E550ICAT, E550RICAT</td>
</tr>
<tr>
<td>HALO LED Retrofit Enclosures</td>
<td>5” H750ICAT, H750RICAT, H750T, H750TINTD010, H750TCP, H2750ICAT, H2750RICAT, E750ICAT, E750RICAT</td>
<td></td>
</tr>
<tr>
<td>HALO</td>
<td>Compatible Halo Incandescent E26 Screwbase Housings</td>
<td>H5ICAT, H5RICAT, H5ICATNB, HST, H5RT, H5ICATNB, H5RT, H5TCP, H7ICAT, E7ICAT, H7RICAT, H7ICATNB, E7ICATNB, E7ICATNB, E7ICATNB, E7RT, E7ICATNB, E7RT, E7ICATNB</td>
</tr>
</tbody>
</table>

#### Compatible with Eaton’s Crouse-Hinds Junction Box (Order Separately)

- TP316 - for non-metallic (NM) cable
- TP317 - for metal clad cable
- UL Listed
- Refer to www.crouse-hinds.com

#### Compatible with many other Junction Boxes*

- 4” octagon light fixture/fan steel box
  - 4” x 4” x 2-1/8” (102mm x 102mm x 54mm)
- 4” octagon steel box
  - 4” x 4” x 1-1/2” (102mm x 102mm x 38mm)
- 4” round new work non-metallic box with hanger bar assembly
  - 4” diameter x 2-3/16” (102mm x 56mm)
- 4” square deep steel box
  - 4” x 4” x 2-1/8” (102mm x 102mm x 54mm)
- 4” square standard steel box
  - 4” x 4” x 1-1/2” (102mm x 102mm x 38mm)

*This is a representative list of compatible junction boxes only. Information contained in this literature about other manufacturers’ products is from published information made available by the manufacturer and is deemed to be reliable, but has not been verified. Eaton makes no specific recommendation on product selection and there are no warranties of performance or compatibility implied. Installer must determine that site conditions are suitable to allow proper installation of the mounting bracket in the box.

 Specifications, compliances and dimensions subject to change without notice
LED Surface Mount

CLD7

7" Low-Profile LED Downlight

The Halo CLD is a low profile, high performance surface mount luminaire that offers the added flexibility of 3 selectable color temperatures at time of installation. CLD7 (7") is designed for installation in many 3-1/2" and 4" square, octagon, or round junction boxes. Supply wire adapter with LED quick wiring connector included.

Features

**Construction**
- Stamped aluminum housing and frame
- Precision engineered optic provides uniform luminance from a low profile convex lens
- Removable lens for easy install from below installation

**Optics**
- Backlit LED technology
- Color Temperature options include: SeleCCTable configuration 3000K, 4000K or 5000K via switch
- 90 CRI is standard
- L70 at 50,000 hours projected in accordance with TM-21

**Driver**
- Integral 120V 60Hz constant current driver provides virtually noise free operation.
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers. See dimming guide.
- Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox.)

**Electrical Junction Box Mounting**
- CLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Install from below design
- Suitable for installation in many 3-1/2" and 4" octagon and round electrical junction boxes.
- Compatible with compact (pancake) junction boxes
- Fire-rating is per the rating of the ceiling and applicable junction box, not the CLD
- Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building codes NEMA LSD 57-2013

**Warranty**
- Five year limited warranty, consult website for details.
- www.eaton.com/lighting/legal

**Compliance**
- UL certified for US and Canada
- Wet and Damp Location listed, airtight per ASTM-E283 (protected ceiling only)
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.
- EMI/RFI emissions per FCC 47CFR Part 15B
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Can be used for State of California Title 24 high efficacy luminaire compliance, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings.
- Can be used for International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire compliance
- ENERGY STAR® Certified luminaire - consult ENERGY STAR® Certified Product List

**CLD Energy Data**

<table>
<thead>
<tr>
<th>Specification</th>
<th>90 CRI</th>
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<tbody>
<tr>
<td>Lumens</td>
<td>800</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>120V</td>
</tr>
<tr>
<td>Input Current (mA)</td>
<td>x</td>
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<td>Input Power (W)</td>
<td>11.2</td>
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<tr>
<td>Inrush (A)</td>
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<tr>
<td>THD</td>
<td>≤ 20%</td>
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<tr>
<td>PF</td>
<td>≥ 0.90</td>
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<td>T Ambient</td>
<td>-30°-48°C</td>
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<td>Sound Rating</td>
<td>≤ 26dbA</td>
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# LED Surface Mount

## CLD7 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>Color Rendering Index (CRI)</th>
<th>Finish</th>
<th>Accessories</th>
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</thead>
<tbody>
<tr>
<td>CLD7</td>
<td>08 - 800 lumen series</td>
<td>9S - 90 CRI, Selectable 2700K, 3000K, 3500K, 4000K &amp; 5000K</td>
<td>WH - Matte white</td>
<td>R - recyclable unit carton suitable for merchandising display</td>
</tr>
</tbody>
</table>

**Compatible with Eaton’s Crouse-Hinds Junction Box (Order Separately)**

- **TP316**
  For non-metallic (NM) cable 4” x 4” x 2-1/8” (102mm x 102mm x 54mm)

- **TP317**
  For metal clad cable 4” x 4” x 2-1/8” (102mm x 102mm x 54mm)

**Compatible with many other Junction Boxes**

- 4” octagon light fixture/fan steel box
  4” x 4” x 2-1/8” (102mm x 102mm x 54mm)

- 4” octagon steel box
  4” x 4” x 1-1/2” (102mm x 102mm x 38mm)

- 4” round new work non-metallic box with hanger bar assembly
  4” diameter x 2-3/16” (102mm x 56mm)

- 4” round new work non-metallic light fixture/fan box
  4” diameter x 2-3/16” (102mm x 56mm)

- 3-1/2” round new work non-metallic ceiling box
  3-1/2” diameter x 2-3/4” (89mm x 70mm)

- 3-1/2” round old work non-metallic box
  4-1/4” O.D. flange, 3-1/2” I.D. x 2-5/8” (108mm O.D., 89mm I.D. x 67mm)

- 4” round surface mount box
  4” diameter x 1-1/2” (102mm x 38mm)

- Round ceiling pan
  4” diameter x 1/2” (102mm x 21mm)

Note: only compatible with fixed CCT BLD406930

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*This is a representative list of compatible junction boxes only. Information contained in this literature about other manufacturers’ products is from published information made available by the manufacturer and is deemed to be reliable, but has not been verified. Eaton makes no specific recommendation on product selection and there are no warranties of performance or compatibility implied. Installer must determine that site conditions are suitable to allow proper installation of the mounting bracket in the box.*
LED Surface Mount
SMD4 Series

SMD4
4" LED Round and Square Surface Mount
The Halo Surface Mount LED Downlight (SMD) is an low profile surface mounting luminaire with a modern look and high performance. SMD4 (4") is designed for installation in many 3-1/2” and 4” square, octagon, or round junction boxes. Supply wire adapter with LED quick wiring connector included. The SMD4 may also retrofit in 4” aperture IC and Non-IC recessed housings. Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5).

Features

Housing
• Non-electrically conductive polycarbonate frame.
• High impact diffuse polystyrene lens provides shielding to the light guide with no pixilation
• Stamped aluminum housing provides thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications

Gaskets
• Closed cell gasket achieves restrictive airflow and wet location requirements without additional caulking

Optics
• Precision acrylic light guide organizes source flux into wide distribution with 1.2 – 1.4 spacing criteria useful for general area illumination

LED
• Mid power led array provide a uniform source with high efficiency and long life.
• Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 3 SDCM provide color accuracy and uniformity

Driver
• Integral 120V 50/60Hz constant current driver provides noise free operation.
• Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers.
• Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox.)
• Inline electrical quick connect and E26 adapter (provided) provides mains connections.

Mounting/Retention
• Adjustable spider plate allows for quick installation into both junction boxes and recessed housings.
• Friction blades included

Electrical Junction Box Mounting
• The SMD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation.
• Suitable for installation in many 3-1/2” and 4” square, octagon, and round electrical junction boxes.
• Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building codes

Recessed Housing Mounting
• May be installed in IC recessed housings in direct contact with insulation
• Note: Not for use in recessed housing in direct contact with spray foam insulation. Refer to NEMA LSD 57-2013.
• May be installed in IC recessed housings in direct contact with insulation
• Note: Not for use in recessed housing in direct contact with spray foam insulation. Refer to NEMA LSD 57-2013

Friction Blade 4”
• Precision formed friction blades included
• For retrofit in 4” nominal housings
• Friction blade design allows the SMD to be installed in any position within the housing aperture (360 degrees)

Designer Skins (Sold Separately)
• SMD skins are accessory rings in both round and square. These skins attach to the SMD for a permanent finish. Refer to the SMD accessories specification sheet for details.
• Matte White (Paintable)
• Satin Nickel
• Tuscan Bronze

Warranty
• Five year limited warranty, consult website for details.
www.eaton.com/lighting/legal
LED Surface Mount
SMD6 - 600 & 1200 Series

SMD6

6" LED Round and Square Surface Mount

The Halo Surface Mount LED Downlight (SMD) is a low profile surface mounting luminaire with a modern look and high performance. SMD6 (6") is designed for installation in many 3-1/2" and 4" square, octagon, or round junction boxes. Supply wire adapter with LED quick wiring connector included. The SMD6 may also retrofit in 5" and 6" aperture IC and Non-IC recessed housings.

Features

Housing
- Non-electrically conductive polycarbonate frame.
- High impact diffuse polystyrene lens provides shielding to the light guide with no pixilation
- Stamped aluminum housing provides thermal cooling achieving L70 at 50,000 hours in IC and Non-IC applications

Gaskets
- Closed cell gasket achieves restrictive airflow and wet location requirements without additional caulking

Optics
- Precision acrylic light guide organizes source flux into wide distribution with 1.2 – 1.4 spacing criteria useful for general area illumination

LED
- Mid power LED array provide a uniform source with high efficiency and long life.
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 3 SDCM provide color accuracy and uniformity

Driver
- SMD 120-277V
  - Integrated 120-277V 60Hz constant current driver provides noise free operation.
  - SMD Universal Voltage (120-277V) configurations are recommended for use with compatible 0-10V DC low voltage dimmers only.

Mounting/Retention
- Adjustable spider plate allows for quick installation into both junction boxes and recessed housings.
- Torsion springs and friction blades included

Electrical Junction Box Mounting
- The SMD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation.
- Suitable for installation in many 3-1/2" and 4" square, octagon, and round electrical junction boxes.
- Note: SMD120-277V UNV is only compatible with junction boxes that provide minimum depth of 2-1/8". Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building codes

Recessed Housing Mounting
- May be installed in IC recessed housings in direct contact with insulation.
- Note: Not for use in recessed housing in direct contact with spray foam insulation. Refer to NEMA LSD 57-2013.
- Torsion Spring 5" & 6"
  - Precision formed torsion spring bracket kit included
  - The torsion springs adjust on the mounting plate to fit 5" or 6" compatible housings
- Friction Blade 5" & 6"
  - Precision formed friction blades included
  - For retrofit in 5" and 6" housings without torsion springs mounting tabs.
  - Friction blade design allows the SMD to be installed in any position within the housing aperture (360 degrees)

Designer Skins (Sold Separately)
- SMD skins are accessory rings in both round and square. These skins attach to the SMD for a permanent finish. Refer to the SMD accessories specification sheet for details.
- Matte White (Paintable)
- Satin Nickel
- Tuscan Bronze

Warranty
- Five year limited warranty, consult website for details. www.eaton.com/lighting/legal

Compliance
- cULus Certified for use with Halo housings and for use with other’s housings, see instruction sheet for conditions of acceptability.
- Wet and Damp Location listed, airtight per ASTM-E283
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)
- EMR/RF emissions per FCC 47CFR Part 15B
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Can be used for State of California Title 24 high efficacy luminaire compliance, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings.
- Can be used for International Energy Conservation Code (IECC) and high efficiency luminaire compliance
- ENERGY STAR® listed, reference database for current listings.

Specifications, compliances and dimensions subject to change without notice

HALO Halo Recessed Catalog - LED Surface & Direct Mount

133
LED Surface Mount
HALO Recessed Catalog - LED Surface & Direct Mount
Specifications, compliances and dimensions subject to change without notice

SMD 4” & 5/6” Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Finish</th>
<th>Voltage</th>
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<tbody>
<tr>
<td><strong>SMD4</strong></td>
<td>4” Round Surface Mount Downlight, 120V</td>
<td>600 lumen series</td>
<td>927 - 90CRI, 2700K</td>
<td>WH - Matte white</td>
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<tr>
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<td>930 - 90CRI, 3000K</td>
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<td>935 - 90CRI, 3500K</td>
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<td><strong>SMD6</strong></td>
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<td>950 - 90CRI, 5000K</td>
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<td>935 - 90CRI, 3500K</td>
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</tr>
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</table>

Accessories (Order Separately)

**Designer Trims**

- **SMD4RTMSN** = 4” Round SMD Satin Nickel
- **SMD4RTMTBZ** = 4” Round SMD Tuscan Bronze
- **SMD4RTMWH** = 4” Round SMD White (paintable)
- **SMD6RTMSN** = 6” Square SMD Satin Nickel
- **SMD6RTMTBZ** = 6” Square SMD Tuscan Bronze
- **SMD6RTMWH** = 6” Square SMD White (paintable)

- **SMD4HWKIT** = Title 24 Cable harness kit used to convert incandescent and low voltage housings to LED
- **HE26LED** = E26 Screw base adapter for retrofit (included)

**Energy Data**

**SMD4**

<table>
<thead>
<tr>
<th>Lumens (5000K)</th>
<th>Round</th>
<th>Square</th>
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<td>81 lm/W</td>
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<td>13.3</td>
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**SMD6R6 / SMD6S6**

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**SMD6R12 / SMD6S12**

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<td>0.132 A</td>
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<td>82 lm/W</td>
<td>79 lm/W</td>
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**SMD6R12-E / SMD6S12-E**

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<td>0.132 A</td>
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<td>81 lm/W</td>
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## Housing Compatibility

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<tr>
<th>Models</th>
<th>Recessed Can Size</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td><strong>HALO LED</strong></td>
<td>Compatible Halo LED Housings with LED luminaire connector (high-efficacy compliant)</td>
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<tr>
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<td><strong>HALO</strong></td>
<td>Halo Retrofit Enclosures</td>
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<tr>
<td><strong>HALO</strong></td>
<td>Compatible Halo Incandescent E26 Screwbase Housings</td>
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<tr>
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### Compatible with Eaton’s Crouse-Hinds Junction Box (Order Separately)

- **TP316** - for non-metallic (NM) cable
- **TP317** - for metal clad cable
- UL Listed
- Refer to www.crouse-hinds.com

**Compatible with many other Junction Boxes**

- **TP316**
  - For non-metallic (NM) cable 4" x 4" x 2-1/8" (102mm x 102mm x 54mm)

- **TP317**
  - For metal clad cable 4" x 4" x 2-1/8" (102mm x 102mm x 54mm)

**4" octagon light fixture/fan steel box**
4" x 4" x 2-1/8" (102mm x 102mm x 54mm)

**4" octagon steel box**
4" x 4" x 1-1/2" (102mm x 102mm x 38mm)

**4" round new work non-metallic box with hanger bar assembly**
4" diameter x 2-3/16" (102mm x 58mm)

**3-1/2" round new work non-metallic ceiling box**
3-1/2" diameter x 2-3/4" (89mm x 70mm)

**3-1/2" round old work non-metallic box**
4-1/4" O.D. flange, 3-1/2" I.D. x 2-5/8" (108mm O.D., 89mm I.D. x 67mm)

**4" round surface mount box**
4" diameter x 1-1/2" (102mm x 38mm)

**4" square deep steel box**
4" x 4" x 2-1/8" (102mm x 102mm x 54mm)

**4" square standard steel box**
4" x 4" x 1-1/2" (102mm x 102mm x 38mm)

*This is a representative list of compatible junction boxes only. Information contained in this literature about other manufacturers’ products is from published information made available by the manufacturer and is deemed to be reliable, but has not been verified. Eaton makes no specific recommendation on product selection and there are no warranties of performance or compatibility implied. Installer must determine that site conditions are suitable to allow proper installation of the mounting bracket in the box.

Specifications, compliances and dimensions subject to change without notice

HALO Halo Recessed Catalog - LED Surface & Direct Mount 135
LED Surface Mount
SLD4 Series

SLD4

4" LED Retrofit Module, SLD4 Model

The Halo Surface LED Downlight (SLD) incorporates WaveStream™ technology to create a ultra-low profile surface mounting luminaire with the performance and look of a traditional downlight. SLD4 is designed for installation in many 3-1/2" and 4" round or octagon junction boxes. May also retrofit in 4" aperture IC and Non-IC recessed housings*. Suitable for residential or commercial installations. Ideal for closets, storage areas, attics and basements.

Features

Mechanical
Die cast aluminum trim ring, and die formed aluminum frame

Optics
• WaveStream™ technology provides uniform luminance from a low profile flat lens
• AccuAim™ optics provide directional control for the “cone-of-light” beam distribution of a traditional downlight
• Precision molded lens features high transmission polymer with UV stabilized protecting film

Designer Trims (Sold Separately)
SLD designer trims are accessories
• White (paintable)
• Satin nickel
• Tuscan bronze

Electrical Junction Box Mounting**
• Suitable for installation in many 3-1/2" and 4" octagon and round electrical junction boxes in direct contact with insulation including spray foam insulation

Note: Driver consumes 3 cubic inches of junction box
• Surface mounting in a fire-rated ceiling using an appropriate electrical box offers a cost-effective alternative to fire-rated recessed housings

Note: Fire-rating is per the rating of the ceiling and applicable junction box, not the SLD
• Proprietary Slot-N-Lock quick installation system for junction box installation
• T-bracket with Slot-N-Lock mounting tabs included

Recessed Housing Mounting
Friction Blade
• Pre-installed friction blades included

LED
• Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, 4000K
• Color Rendering Index (CRI) options: 90
• Lumen maintenance L70 at 50,000 hours
• 700 nominal lumens, range dependent on CCT and CRI

Electrical Connections
Junction Box**
• Compatible with 3-1/2" x 2" and 4" x 1-1/2" round and octagon boxes (2-1/8" deep boxes recommended)
• Supply wire adapter with LED quick connector included

Recessed Housing
• LED connector is non-screw base luminaire disconnect for tool-less installation in Halo 4" H995 series LED housings
• LED connector meets California Title 24 high efficacy luminaire standard as a non-screw base
• E26 Edison screw base adapter included

LED Driver
• Driver is a 120V dimmable electronic power supply providing DC power to the LED arrays
• Driver features high power factor, low THD, and has integral thermal protection

Dimming
Designed for continuous dimming to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note, some dimmers require a neutral in the wallbox)

Compliance
• cULus Listed ceiling and wall
• cULus Listed damp location, ceiling and wall
• cULus Listed wet location, covered ceiling only (shower rated)
• Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)
• UL Classified when used in retrofit with listed housings (See housing compatibility)
• EMI/RFI: meets FCC 47CFR Part 15 Class B limits, and is suitable for use in residential and commercial
• 90 CRI (R9 > 50) can be used to comply with California Title 24 high efficacy requirements. Title 20 Certified for residential compliance.
• Air-Tite certified per ASTM E283 not exceeding 2.0 CFM under 1.57psf (75 Pascals) pressure difference
• ENERGY STAR® certified downlight surface retrofit
• Contains no mercury or lead and RoHS compliant
• cULus Listed wet location, covered ceiling only (shower rated)
• Contains no mercury or lead and RoHS compliant
• Photometric testing in accordance with IES LM-79
• Lumen maintenance projections in accordance with IES LM-80 and TM-21

*Note: Not for use in recessed housings in direct contact with spray foam insulation refer to NEMA LSD 57-2013

** Models with “JB” suffix include hardware kit with spray foam insulation refer to NEMA LSD 57-2013

SLD4 Energy Data

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<tr>
<td>Input Power</td>
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<tr>
<td>Efficiency (4000K models)</td>
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<tr>
<td>THD</td>
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Specifications, compliances and dimensions subject to change without notice
LED Surface Mount
SLD4 Series

SLD4 Series Ordering Information

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<tr>
<th>Models</th>
<th>Color Rendering Index (CRI)</th>
<th>Color Temperature (CCT)</th>
<th>Finish</th>
<th>JB (Optional)</th>
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<tbody>
<tr>
<td>Standard SLD405 - 4&quot; Surface LED downlight, 120V (Includes hardware kit for junction box and recessed housing mounting)</td>
<td>9 – 10 CRI</td>
<td>27 – 2700K</td>
<td>35 – 3500K</td>
<td>WH – Matte white</td>
</tr>
<tr>
<td>&quot;JB&quot; Models SLD405 - 4&quot; Surface LED downlight, 120V (Includes hardware kit for junction box mounting ONLY)</td>
<td>9 – 10 CRI</td>
<td>27 – 2700K</td>
<td>35 – 3500K</td>
<td>WH – Matte white</td>
</tr>
</tbody>
</table>

Accessories (Order Separately)

Designer Trims
Fit over the SLD for a designer finish
SLD4TRMWH = 4" SLD white (paintable)
SLD4TRMSN = 4" SLD satin nickel
SLD4TRMTBZ = 4" SLD tuscan bronze
*SLO accessory trims attach with permanent adhesion and are not interchangeable after installation

Junction Box Spacer Extension Ring
Adds 15/16" depth when the SLD driver cannot fit into a junction box.

SLD4EXT = 4" Surface LED j-box extender, 7.75" O.D.

Dimensions
A: 7-3/4" [197mm]
B: 7/8" [24mm]
C: 3-7/8" [99mm]
D: 6.25" [159mm]

Compatible Junction Boxes

Octagon - Steel
4" x 4" x 2-1/8"
4" x 4" x 1-1/2"

Round - Plastic
4" diameter x 2-3/16""}

Compatible with Eaton’s Crouse-Hinds Junction Box (Order Separately)

• TP316 - for non-metallic (NM) cable
• TP317 - for metal clad cable
• UL Listed
• Refer to www.crouse-hinds.com

Specifications, compliances and dimensions subject to change without notice
LED Surface Mount
SLD6 - 600 & 1200 Series

SLD606 - 600 Series, 120V
SLD612 - 1200 Series, 120V

5"/6" Surface LED Retrofit Module – 6 Inch Application

The Halo Surface LED Downlight (SLD) incorporates WaveStream™ technology to create a ultra-low profile surface mounting luminaire with the performance and look of a traditional downlight. SLD6 is designed for installation in many 3-1/2" and 4" square, octagon or round junction boxes. And may also retrofit in 5" and 6" IC and Non-IC recessed housings.* Suitable for residential or commercial installations. Ideal for closets, storage areas, attics and basements. Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5).

Features

Mechanical
- Die cast aluminum trim ring, and die formed aluminum frame

Optics
- WaveStream™ technology provides uniform luminance from a low profile flat lens
- AccuAim™ optics provide directional control for the “cone-of-light” beam distribution of a traditional downlight
- Precision molded lens features high transmission polymer with UV stabilized protecting film

Electrical Junction Box Mounting
- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Suitable for installation in many 3-1/2" and 4" square, octagon, and round electrical junction boxes

Note: Fire-rating is per the rating of the ceiling and applicable junction box, not the SLD
- Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building codes
- Proprietary Slot-N-Lock quick installation system for junction box installation
- T-bracket with Slot-N-Lock mounting tabs included

Recessed Housing Mounting
- May be installed in IC recessed housings in direct contact with insulation

*Note: Not for use in recessed housings in direct contact with spray foam insulation (Refer to NEMA LSD 57-2013)

Torsion Spring 5" & 6" Kit (Included)
- The torsion springs adjust on the frame to fit 5" or 6" compatible housings

Friction Blade 5" & 6" Kit (Included)
- For retrofit in 5" and 6" housings without torsion spring mounting tabs
- Friction blade design allows the SLD to be installed in any position within the housing aperture (360 degrees)

LED
- Linear LED arrays are integrated in trim perimeter
- Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, 4000K
- Color Rendering Index (CRI): 90
- Luminous – see Energy Data
- Lumen maintenance L70 at 50,000 hours

Electrical Connections
- Junction Box: Compatible with 3-1/2" x 2" and 4" x 1-1/2" deep round, square and octagon boxes (2-1/8" deep boxes recommended)
- Supply wire adapter with LED quick connector included
- JB models for use in junction boxes. May be used in recessed housings with accessory SLD6ACCKIT.

Recessed housings: Driver is a 120V input, high efficiency, dimmable electronic power supply providing DC power to the LED arrays

LED Driver
- Driver is a 120V input, high efficiency, dimmable electronic power supply providing DC power to the LED arrays
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure
- If dimming is not required the fixture can be operated from a standard wall switch

Dimming
- Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note, some dimmers require a neutral in the wallbox)

Compliance
- cULus Listed listed ceiling and wall
- cULus Listed listed location, ceiling and wall
- cULus Listed wet location, covered ceiling only (shower rated)
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)
- May be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- May be installed in IC recessed housings in direct contact with insulation. Not for use in recessed housings in direct contact with spray foam insulation. (Refer to NEMA LSD 57-2013)
- UL Classified when used in retrofit with listed housings (See housing compatibility)
- EM/RF: meets FCC 47CFR Part 15 Class B limits, and is suitable for use in residential and commercial
- Air-Tite code compliant. Certified under ASTM E328; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- 90 CRI (R9 > 50) can be used to comply with California Title 24 high efficacy requirements. Title 20 Certified for residential compliance.
- 90 CRI can be used to comply with California Title 24 non-residential lighting controls requirements as a LED luminaire
- Can be used for International Energy Conservation Code (IECC) high efficiency luminaire compliance.
- ENERGY STAR® certified downlight surface retrofit
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21
**LED Surface Mount**

**SLD6 - Universal Voltage Series**

**SLD612 - 1200 Series UNV, 120V-277V**

5” / 6” Surface LED Retrofit Module

The Halo Surface LED Downlight (SLD) incorporates WaveStream™ technology to create an ultra-low profile surface mounting luminaire with the performance and look of a traditional downlight. SLD6-1200 UNV series is designed for installation in many 4” x 2-1/8” deep square junction boxes. Accessory mounting kit allows retrofit in 5” and 6” IC and Non-IC recessed housings. Suitable for residential or commercial installations. Ideal for closets, storage areas, attics and basements. Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5).

**Features**

**Mechanical**
Die cast aluminum trim ring, and die formed aluminum frame

**Optics**
- WaveStream™ technology provides uniform luminance from a low profile flat lens
- AccuAim™ optics provide directional control for the “cone-of-light” beam distribution of a traditional downlight
- Precision molded lens features high transmission polymer with UV stabilized protecting film

**Electrical Junction Box Mounting**
- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Suitable for installation in many 4” x 2-1/8” deep square electrical junction boxes
- Compatible with other junction boxes with accessory SLD6EXT extension spacer ring

**Note:** Driver consumes 3 cubic inches of junction box space.
- Surface mounting in a fire-rated ceiling using an appropriate electrical box offers a cost-effective alternative to fire-rated recessed housings

**Note:** Fire-rating is per the rating of the ceiling and applicable junction box, not the SLD
- Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building codes.
- Proprietary Slot-N-Lock quick installation system for junction box installation
- T-bracket with Slot-N-Lock mounting tabs included

**Recessed Housing Mounting**
- Accessory SLD6ACCKIT required for mounting in 5” and 6” enclosed recessed housings
- May be installed in IC recessed housings in direct contact with insulation

**Note:** Not for use in recessed housings in direct contact with spray foam insulation (Refer to NEMA LSD 57-2013)
- The SLD6 may be used with any 5 or 6 inch diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9 in³

**LED**
- Linear LED arrays are integrated in trim perimeter
- Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, 4000K
- Color Rendering Index (CRI): 90
- Lumens – see Energy Data
- Lumen maintenance L70 at 50,000 hours

**Electrical Connections**
- Junction Box
  - Compatible with 4” x 2-1/8” deep square boxes
  - Supply wire adapter with LED quick connector included
  - LED connector is a non-screw base luminaire disconnect

**Recessed Housings**
- Accessory SLD6ACCKIT required
- LED connector is compatible with Halo 5” H550 series and 6” H750, H2750 series LED housings
- LED Connector meets California Title 24 high efficacy luminaire standard as a non-screw base

**LED Driver**
- Driver is a 120V-277V universal voltage input, high efficiency, dimmable electronic power supply providing DC power to the LED arrays
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure
- Driver is replaceable if it should be required
- If dimming is not required the fixture can be operated from a standard wall switch

**Dimming - Phase Control**
- Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimmers with low end trim adjustment offer greater assurance of achieving 5% level.
- Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox)

**Dimming - 0-10V**
- Dimmable to 10% in typical operation with compatible 0-10V DC low voltage dimmers
- 0-10V DC dimmers operate using two low voltage dimming wires (color coded violet and gray). The low voltage dimming wires are separate from the 120V AC or 277V AC power.
- Switching on/off is via the line voltage (120V AC or 277V AC) power, and dimming is controlled via the 2-wire 0-10V DC wiring

**Compliance**
- cULus Listed ceiling and wall
- cULus Listed damp location, ceiling and wall
- cULus Listed wet location, covered ceiling only (shower rated)
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)
- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- May be installed in IC recessed housings in direct contact with insulation. Not for use in recessed housings in direct contact with spray foam insulation. (Refer to NEMA LSD 57-2013)
- EMI/RFI: meets FCC 47CFR Part 15 Class B limits, and is certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- 90 CRI (R9 > 50) can be used to comply with California Title 24 high efficacy requirements. Title 20 Certified for residential compliance.
- 80 CRI can be used to comply with California Title 24 non-residential lighting controls requirements as a LED luminaire
- Can be used for International Energy Conservation Code (IECC) high efficacy luminaire compliance
- ENERGY STAR® certified downlight surface retrofit
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-80 and TM-21

Specifications, compliances and dimensions subject to change without notice
LED Surface Mount
SLD6 - Universal Voltage Series

SLD6 600 & 1200 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Color Rendering Index (CRI)</th>
<th>Color Temperature (CCT)</th>
<th>Finish</th>
<th>Voltage</th>
<th>JB Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard (includes hardware kits for junction box and recessed housing mounting) SLD606 - 6” Surface LED downlight, 120V, 600 series  SLD612 - 6” Surface LED downlight, 120V, 1200 series</td>
<td>9 = 90 CRI</td>
<td>27 – 2700K 35 – 3500K 30 – 3000K 40 – 4000K</td>
<td>WH - White</td>
<td>120V</td>
<td></td>
</tr>
<tr>
<td>“JB” Models (includes hardware kit for junction box mounting ONLY) SLD606 - 6” Surface LED downlight, 120V, 600 series  SLD612 - 6” Surface LED downlight, 120V, 1200 series</td>
<td>9 = 90 CRI</td>
<td>27 – 2700K 35 – 3500K 30 – 3000K 40 – 4000K</td>
<td>WH - White</td>
<td>120V</td>
<td>JB - ONLY junction box hardware kit</td>
</tr>
</tbody>
</table>

Accessories (Order Separately)

Designer Trims
Fit over the SLD for a designer finish
SLD6TRMWH - 6” SLD white (paintable)
SLD6TRMNSN - 6” SLD satin nickel
SLD6TRMTBZ - 6” SLD tuscan bronze
*SLD accessory trims attach with permanent adhesion and are not interchangeable after installation

Replacement Parts Kit
SLD6ACKIT
SLD6 Retrofit Kit - SLD6 screw base adapter, friction blades, torsion springs, ground wire, mounting screws, wire nuts
SLD6BRKT
SLD6 junction box mounting bracket and screws

Compatible Junction Boxes
Octagon - Steel
4” x 4” x 2-1/8”
4” x 4” x 1-1/2”
Round - Plastic
4” diameter x 2-3/16”
Square - Steel**
4” x 4” x 2-1/8”
4” x 4” x 1-1/2”
**Universal Voltage (UNV) SLD6-1200 for use in 4” square junction boxes only

Junction Box Space Extension Ring
Adds 15/16” depth when the SLD driver cannot fit into a junction box.
SLD6EXT - 6” Surface LED j-box extender, 9.5” OD

Standard j-box*
Shallow j-box (pancake)*
Standard j-box with plaster ring*
Fire Rated Install*

Surface Box Adapter
Fits the SLD into a 4-inch round or octagon junction box mounted flat on a ceiling or beam surface (not recessed in the ceiling).
For 4-inch square junction boxes use SLD6RAD with the SLD6SADPLT square adapter plate.

SLD6SADPLT
6” SLD square surface j-box adapter plate (use with SLD6RAD)
SLD6RAD
6” SLD round surface j-box adapter (use SLD6SADPLT for square j-box)

SLD6 Energy Data

<table>
<thead>
<tr>
<th>Models</th>
<th>90 CRI</th>
<th>600 Series</th>
<th>780</th>
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<tbody>
<tr>
<td>Nominal Lumens (4000K)</td>
<td>780</td>
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</tr>
<tr>
<td>Input Voltage</td>
<td>120V</td>
<td></td>
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<tr>
<td>Frequency</td>
<td>50/60 Hz</td>
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<tr>
<td>Input Current</td>
<td>0.11 A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Power</td>
<td>13.2 W</td>
<td></td>
<td></td>
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<tr>
<td>Efficiency (4000K models)</td>
<td>59 lm/W</td>
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<tr>
<td>THD</td>
<td>≤ 20%</td>
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<td></td>
</tr>
<tr>
<td>Power Factor</td>
<td>≥ 0.90</td>
<td></td>
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</tr>
<tr>
<td>T Ambient</td>
<td>-30 – +40°C</td>
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</tr>
<tr>
<td>Sound Rating</td>
<td>Class A</td>
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<table>
<thead>
<tr>
<th>Models</th>
<th>90 CRI</th>
<th>1200 Series</th>
<th>1000</th>
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</thead>
<tbody>
<tr>
<td>Nominal Lumens (4000K)</td>
<td>1000</td>
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<td></td>
</tr>
<tr>
<td>Input Voltage</td>
<td>120V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>50/60 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Current</td>
<td>0.12 A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Power</td>
<td>14.8 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Efficiency (4000K models)</td>
<td>68 lm/W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THD</td>
<td>≤ 20%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Factor</td>
<td>≥ 0.90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T Ambient</td>
<td>-30 – +40°C</td>
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<td></td>
</tr>
<tr>
<td>Sound Rating</td>
<td>Class A</td>
<td></td>
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<table>
<thead>
<tr>
<th>Models</th>
<th>90 CRI</th>
<th>1200 Series Universal Voltage</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Lumens (4000K)</td>
<td>1000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Voltage</td>
<td>120V-277V</td>
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<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>50/60 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Current</td>
<td>0.12 A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Power</td>
<td>14.8 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Efficiency (4000K models)</td>
<td>68 lm/W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THD</td>
<td>≤ 20%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Factor</td>
<td>≥ 0.90</td>
<td></td>
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</tr>
<tr>
<td>T Ambient</td>
<td>-30 – +40°C</td>
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</tr>
<tr>
<td>Sound Rating</td>
<td>Class A</td>
<td></td>
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</tr>
</tbody>
</table>
HLC4 Series

4" Low-Profile LED Surface Mount

The Halo HLC4 is a low profile, surface mount luminaire that offers easy below the ceiling installation to save time and money. The HLC4 (4") is designed for installation in most 3-1/2" and 4" square, octagon, or round junction boxes. Supply wire adapter with LED quick wiring connector included.

Features

Construction
Stamped aluminum housing and frame

Optics
- Precision engineered optic provides uniform luminance from a low profile convex lens
- Removable lens for easy install from below installation

LED
- Backlit LED technology
- Color Temperature options include: 3000K, or 4000K
- 90 CRI is standard
- L70 at 50,000 hours projected in accordance with TM-21

Driver
- Integral 120V 60Hz constant current driver provides virtually noise free operation.
- Continuous, flicker-free dimming from 100% to 10% with select leading or trailing edge 120V phase cut dimmers. See dimming guide.
- Dimming to 10% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox.)
- Inline electrical quick connect (provided) provides mains connections

Electrical Junction Box Mounting
- HLC may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Install from below design
- Suitable for installation in many 3-1/2" and 4" octagon and round electrical junction boxes.
- Compatible with compact (pancake) junction boxes
- Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building coded NEMA LSD 57-2013

Compliance
- UL certified for US and Canada
- Damp Location listed
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.
- EM/RFI emissions per FCC 47CFR Part 15B
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Can be used for State of California Title 24 high efficacy luminaire compliance, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings.
- Can be used for International Energy Conservation Con (IECC) and Washington State Energy Code high efficiency luminaire Compliance
- ENERGY STAR® Certified luminaire - consult ENERGY STAR® Certified Product List

HLC4 Energy Data

<table>
<thead>
<tr>
<th>Lumens</th>
<th>700</th>
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<tbody>
<tr>
<td>Input Voltage</td>
<td>120V</td>
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<tr>
<td>Input Current</td>
<td>0.106 A</td>
</tr>
<tr>
<td>Input Power</td>
<td>12.6 W</td>
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<tr>
<td>Efficiency</td>
<td>60 (LPW)</td>
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<tr>
<td>THD</td>
<td>≤ 20%</td>
</tr>
<tr>
<td>Power Factor</td>
<td>≥ 0.90</td>
</tr>
<tr>
<td>T Ambient</td>
<td>40 - 40°C</td>
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<tr>
<td>Sound Rating</td>
<td>≤ 20 dba</td>
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</table>

HLC4 Series Ordering Information

<table>
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<tr>
<th>Models</th>
<th>Lumens</th>
<th>Color Rendering Index (CRI)</th>
<th>Voltage</th>
<th>Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLC4 = 4&quot; LED surface light</td>
<td>07 - 700 lumen series</td>
<td>90 - 90 CRI minimum, 3000K CCT</td>
<td>1E = 120V 60Hz, LE &amp; TE phase cut dimming</td>
<td>WH = Matte white baffle</td>
<td>BP = 6 bulk pack (not for individual resale)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>940 - 90 CRI minimum, 4000K CCT</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Specifications, compliances and dimensions subject to change without notice
HLC6

6” Low-Profile LED Surface Mount

The Halo HLC6 is a low profile, surface mount luminaire that offers easy below the ceiling installation to save time and money. The HLC6 (6”) is designed for installation in most 3-1/2” and 4” square, octagon, or round junction boxes. Supply wire adapter with LED quick wiring connector included.

Features

Construction
Stamped aluminum housing and frame

Optics
• Precision engineered optic provides uniform luminance from a low profile convex lens
• Removable lens for easy install from below installation

LED
• Backlit LED technology
• Color Temperature options include: 3000K, or 4000K
• 90 CRI is standard
• L70 at 50,000 hours projected in accordance with TM-21

Driver
• Integral 120V 60Hz constant current driver provides virtually noise free operation.
• Continuous, flicker-free dimming from 100% to 10% with select leading or trailing edge 120V phase cut dimmers. See dimming guide.
• Dimming to 10% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox.)
• Inline electrical quick connect (provided) provides mains connections

Electrical Junction Box Mounting
• HLC may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
• Install from below design
• Suitable for installation in many 3-1/2” and 4” octagon and round electrical junction boxes.
• Compatible with compact (pancake) junction boxes
• Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building coded NEMA LSD 57-2013

Compliance
• UL certified for US and Canada
• Damp Location listed
• Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.
• EMI/RFI emissions per FCC 47CFR Part 15B
• Contains no mercury or lead and RoHS compliant.
• Photometric testing in accordance with IES LM-79-08
• Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
• Can be used for State of California Title 24 high efficacy luminaire compliance, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings.
• Can be used for International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire Compliance
• ENERGY STAR® Certified luminaire - consult ENERGY STAR® Certified Product List

HLC6 Energy Data

<table>
<thead>
<tr>
<th>Lumens</th>
<th>Color Rendering Index (CRI)</th>
<th>Voltage</th>
<th>Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>900</td>
<td>90</td>
<td>120V</td>
<td>Matte white baffle</td>
<td>-6BP = 6 bulk pack (not for individual resale</td>
</tr>
<tr>
<td>15.7 W</td>
<td>58.8 (LPW)</td>
<td>THD ≤ 20%</td>
<td>Sound Rating ≤ 20 dba</td>
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</table>

HLC6 Series Ordering Information

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>Color Rendering Index (CRI)</th>
<th>Voltage</th>
<th>Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLC6 = 6” LED surface light</td>
<td>09 - 900 lumen series</td>
<td>930 - 90 CRI minimum, 3000K CCT</td>
<td>IE - 120V 60Hz, LE &amp; TE phase cut dimming</td>
<td>WH - Matte white baffle</td>
<td>-6BP = 6 bulk pack (not for individual resale</td>
</tr>
<tr>
<td></td>
<td></td>
<td>940 - 90 CRI minimum, 4000K CCT</td>
<td></td>
<td></td>
<td>-12BP = 12 bulk pack (not for individual resale</td>
</tr>
</tbody>
</table>
**Key:**  
A: Luminous Aperture, RD/BD: Reflector/Baffle Diameter, CO: Ceiling Opening, OD: Trim Outside Diameter

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## 3 INCH

### H3 Series
- IC Housings: 144
- IC Trims: 148
- Non-IC Housings: 152
- Non-IC Trims: 159

**IC = Insulated Ceiling  Non-IC = Non-Insulated Ceiling**
**Special Features**

- Air-Tite™ code compliant
- Got Nail™ bar hangers
- Slide-N-Side™ junction box
- Pass-N-Thru™ bars
- Quick Connect™ push wire nuts

**Complyances**

- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm ([0.944 L/s]) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
H3 Series – GU10 IC Housing
H38ICAT

3” IC, Air-Tite, New Construction, 120V

H38ICAT is an IC, Air-Tite™ housing for use with H3 3” series trims. Housing is Air-Tite to restrict airflow between conditioned spaces and unconditioned areas. For use with 120V GU10 lamps. H38ICAT is IC rated and may be used in insulated ceilings and may be covered with insulation*.

Features

Housing
Double wall aluminum construction

Plaster Frame
Housing adjusts in plaster frame to accommodate up to 1-1/2” ceiling thickness. Galvanized steel construction. Plaster frame features include:
• Regressed locking screw for securing hanger bars
• Cutouts for easily crimping hanger bars in position
• HALO name embossed on plaster frame
• The housing may be removed from plaster frame to provide access to the junction box
• Pre-installed Air-Tite gasket

Includes:
• Air-Tite™ code compliant (Details Pg. 11)
• Got Nail™ bar hangers (Details Pg. 11)
• Slide-N-Side™ junction box wire traps (Details Pg. 11)
• Pass-N-Thru™ bars (Details Pg. 11)
• Quick Connect™ push wire nuts (Details Pg. 11)

Socket
GU10 socket for 120V GU10 lamps

Accessory
Z28 Lamp: 120V, GU10, reflector lamp

Includes:
Air-Tite™ code compliant
Got Nail™ bar hangers
Slide-N-Side™ junction box
Pass-N-Thru™ bars
Quick Connect™ push wire nuts

Compatible Trims

<table>
<thead>
<tr>
<th></th>
<th>3001</th>
<th>3002</th>
<th>3003</th>
<th>3004</th>
</tr>
</thead>
<tbody>
<tr>
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<td>3008</td>
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<td>3”</td>
<td>3009</td>
<td>3010</td>
<td>3011</td>
<td>3009</td>
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<tr>
<td>3”</td>
<td>3013</td>
<td>3014</td>
<td>3016</td>
<td>3017</td>
</tr>
</tbody>
</table>

Compliances

• cULus Listed 1598 luminaire
• cULus Listed wet location
• cULus Listed for direct contact with insulation and combustible material*
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
• RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
H3 Series – Low Voltage MR16 IC Housing

H36LVICAT

3” IC, Air-Tite, Shallow New Construction, 120V – 12V Low Voltage, MR16

H36LVICAT is a shallow IC, Air-Tite™ housing for use with H3 3” series trims. Housing is Air-Tite to restrict airflow between conditioned spaces and unconditioned areas. For use with 12V MR16 lamps. H36LVICAT is IC rated and may be used in insulated ceilings and may be covered with insulation*.

Features

Housing
IC and Air-Tite™ rated double wall aluminum construction shallow height

Plaster Frame
Housing adjusts in plaster frame to accommodate up to 1-1/2” ceiling thickness. Galvanized steel construction. Plaster frame features include:
- Regressed locking screw for securing hanger bars
- Cutouts for easily crimping hanger bars in position
- HALO name embossed on plaster frame
- The housing may be removed from plaster frame to provide access to the junction box
- Pre-installed Air-Tite gasket

Includes:
- Air-Tite™ code compliant (Details Pg. 11)
- Got Nail™ bar hangers (Details Pg. 11)
- Slide-N-Side™ junction box wire traps (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)

Transformer
Integral magnetic transformer steps 120V line voltage down to 12V lamp operating voltage. Rated for MR16 lamps, 50W max.

Socket
GU 5.3 socket for 12V MR16 lamps

Special Features

Air-Tite™ code compliant
Got Nail™ bar hangers
Slide-N-Side™ junction box
Pass-N-Thru™ bars
Quick Connect™ push wire nuts

Compatible Trims

<table>
<thead>
<tr>
<th>3001</th>
<th>3004</th>
<th>3008</th>
<th>3011</th>
<th>3017</th>
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<tbody>
<tr>
<td>3002</td>
<td>3006</td>
<td>3009</td>
<td>3012</td>
<td>3020</td>
</tr>
<tr>
<td>3003</td>
<td>3007</td>
<td>3010</td>
<td>3013</td>
<td></td>
</tr>
</tbody>
</table>

Compliances

- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
Specifications, compliances and dimensions subject to change without notice

Halo Recessed Catalog - 3" Recessed Downlighting

H3 Series – Low Voltage MR16 IC Housing
H38LVICAT

**H38LVICAT**

3" IC, Air-Tite, New Construction, 120V – 12V Low Voltage, MR16

H38LVICAT is an IC, Air-Tite™ housing for use with H3 3" series trims. Housing is Air-Tite™ to restrict airflow between conditioned spaces and unconditioned areas. For use with 12V MR16 lamps. H38LVICAT is IC rated and may be used in insulated ceilings and may be covered with insulation*.

**Features**

**Housing**

IC and Air-Tite™ rated double wall aluminum construction shallow height

**Plaster Frame**

Housing adjusts in plaster frame to accommodate up to 1-1/2" ceiling thickness. Galvanized steel construction. Plaster frame features include:

- Regressed locking screw for securing hanger bars
- Cutouts for easily crimping hanger bars in position
- HALO name embossed on plaster frame
- The housing may be removed from plaster frame to provide access to the junction box
- Pre-installed Air-Tite gasket

**Includes:**

- Air-Tite™ code compliant (Details Pg. 11)
- Got Nail™ bar hangers (Details Pg. 11)
- Slide-N-Side™ junction box wire traps (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)

**Transformer**

Integral magnetic transformer steps 120V line voltage down to 12V lamp operating voltage. Rated for MR16 lamps, 50W max.

**Socket**

GU 5.3 socket for 12V MR16 lamps

**Compliances**

- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
**Key:** A: Luminous Aperture, RD/BD: Reflector/Baffle Diameter, CO: Ceiling Opening, OD: Trim Outside Diameter

**Specifications, compliances and dimensions subject to change without notice**

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**Halo Recessed Catalog - 3” Recessed Downlighting**

**HALO**

**3 INCH**

**H3 Series Trims**

**IC Housings:** H36ICAT • H38ICAT • H36LVICAT • H38LVICAT

---

### Reflectors

**3004 Adjustable Reflector**

- Die cast trim ring with reflector
- For general illumination
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>H36ICAT</td>
<td>H36ICAT</td>
</tr>
</tbody>
</table>

- **3004WHW** White Reflector, White Trim
- **3004WHC** Clear Reflector, White Trim
- **3004WHH** Haze Reflector, White Trim
- **3004SN** Satin Nickel Reflector, Satin Nickel Trim

<table>
<thead>
<tr>
<th>Dimensions**</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: 2” [51mm]</td>
</tr>
<tr>
<td>RD: 3” [75mm]</td>
</tr>
<tr>
<td>CO: 3-3/4” [95mm]</td>
</tr>
<tr>
<td>OD: 4-1/4” [108mm]</td>
</tr>
</tbody>
</table>

**3004TBZ** Tuscan Bronze Reflector, Tuscan Bronze Trim

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### Baffles

**3003 Adjustable Coilex® Baffle**

- Die cast trim ring with machined metal Coilex baffle
- For general illumination
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>H36ICAT</td>
<td>H36ICAT</td>
</tr>
</tbody>
</table>

- **3003WHB** White Coilex Baffle, White Trim
- **3003WHBB** Black Coilex Baffle, White Trim
- **3003BKBB** Black Coilex Baffle, Black Trim
- **3003SNB** Satin Nickel Coilex Baffle, Satin Nickel Trim

<table>
<thead>
<tr>
<th>Dimensions**</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: 2” [51mm]</td>
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<td>RD: 3” [75mm]</td>
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<td>CO: 3-3/4” [95mm]</td>
</tr>
<tr>
<td>OD: 4-1/4” [108mm]</td>
</tr>
</tbody>
</table>

**3003TBZB** Tuscan Bronze Coilex Baffle, Tuscan Bronze Trim

---

**3011 Square Adjustable Baffle**

- Die cast trim ring with metal baffle
- For general illumination
- 15° tilt, 350° integral lamp holder rotation with locking thumbscrew

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>H36ICAT</td>
<td>H36ICAT</td>
</tr>
</tbody>
</table>

- **3011WHB** White Baffle, White Trim
- **3011WHBB** Black Baffle, White Trim
- **3011BKBB** Black Baffle, Black Trim
- **3011SNBB** Black Baffle, Satin Nickel Trim

<table>
<thead>
<tr>
<th>Dimensions**</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: 1-7/8” [48mm]</td>
</tr>
<tr>
<td>BD: 2-1/4” [57mm]</td>
</tr>
<tr>
<td>CO [Round]: 3-3/4” [95mm]</td>
</tr>
<tr>
<td>OD: 4-1/4” [108mm]</td>
</tr>
</tbody>
</table>

**3011TBZBB** Black Baffle, Tuscan Bronze Trim

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**Lamp 120V GU10 50W 12V MR16 50W**

- **Housing**
- **H36ICAT**
- **H36LVICAT**

**Lamp 12V MR16 37W**

- **Housing**
- **H36LVICAT**

**Lamp 120V GU10 50W 12V MR16 50W**

- **Housing**
- **H38ICAT**
- **H38LVICAT**
**Specifications, compliances and dimensions subject to change without notice**
**H3 Series Trims**

**IC Housings:** H36ICAT • H38ICAT • H36LVICAT • H38LVICAT

---

### Lenses & Wet Location Showerlights

#### 3007 Regressed Lens Adjustable Reflector

- Die cast trim ring: TBZ models
- Non-conductive & non-corrosive polymer trim ring: WHC, PCC, SN models
- Regressed clear lens
- For general illumination
- Wet location listed for showers
- 15° tilt, 360° orientation within housing

**Dimensions**

- A: 1-1/2” [39mm]
- D: 1/2” [13mm]
- CO: 3-3/4” [95mm]
- OD: 4-1/4” [108mm]

**Lamp**

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Housing</th>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V GU10 50W</td>
<td>H36ICAT</td>
<td>H38ICAT</td>
</tr>
<tr>
<td>12V MR16 50W</td>
<td>H36LVICAT</td>
<td>H38LVICAT</td>
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**Lamp**

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<th>Lamp Type</th>
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</thead>
<tbody>
<tr>
<td>12V MR16 37W</td>
<td>H38LVICAT</td>
</tr>
</tbody>
</table>

#### 3008 Frosted Glass Perimeter Lens

- Non-conductive & non-corrosive polymer trim ring
- Glass lens with frosted perimeter
- Clear specular upper reflector
- Wet location listed for showers, “Dead-Front”
- 360° orientation within housing

**Dimensions**

- A: 1-7/8” [48mm]
- RD: 2-9/16” [65mm]
- CO: 3-3/4” [95mm]
- OD: 4-1/4” [108mm]

**Lamp**

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V GU10 50W</td>
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**Lamp**

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<tr>
<td>12V MR16 37W</td>
<td>H38LVICAT</td>
</tr>
</tbody>
</table>

#### 3012 Square Regressed Lens Adjustable Baffle

- Die cast trim ring with metal baffle
- For general illumination
- 15° tilt, 360° integral lamp holder rotation with locking thumbscrew
- Wet location listed for showers

**Dimensions**

- A: 1-7/8” [48mm]
- BD: 2-1/4” [57mm]
- CO (Round): 3-3/4” [95mm]
- OD: 4-1/4” [108mm]

**Lamp**

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V GU10 50W</td>
<td>H36ICAT</td>
</tr>
<tr>
<td>12V MR16 50W</td>
<td>H36LVICAT</td>
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</tbody>
</table>

**Lamp**

<table>
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<tr>
<th>Lamp Type</th>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V MR16 37W</td>
<td>H38LVICAT</td>
</tr>
</tbody>
</table>

#### 3017 Decorative Low-Profile Glass Curve

- Die cast construction and decorative glass element
- Frost glass perimeter with clear glass center
- Wet location listed for showers

**Dimensions**

- A: 1-1/2” [39mm]
- D: 1-1/2” [39mm]
- CO: 3-3/4” [95mm]
- OD: 4-1/4” [108mm]

**Lamp**

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V GU10 50W</td>
<td>H36ICAT</td>
</tr>
<tr>
<td>12V MR16 50W</td>
<td>H36LVICAT</td>
</tr>
</tbody>
</table>

**Lamp**

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V MR16 37W</td>
<td>H38LVICAT</td>
</tr>
</tbody>
</table>

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**Key:** A: Luminous Aperture, RD/BD: Reflector/Baffle Diameter, CO: Ceiling Opening, OD: Trim Outside Diameter, D: Depth Profile

**Specifications, compliances and dimensions subject to change without notice.**
Halo Recessed Catalog - 3” Recessed Downlighting

H3 Series Trims
IC Housings: H36ICAT • H38ICAT • H36LVICAT • H38LVICAT

Specifications, compliances and dimensions subject to change without notice

**Key:** A: Luminous Aperture, CO: Ceiling Opening, OD: Trim Outside Diameter

---

### Pinhole, Slot & Wall Wash

#### 3001 Adjustable Pinhole Baffle
- Die cast trim ring with black oculus and machined metal baffle
- For concentrated accent lighting
- 15° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>H36ICAT</td>
<td>H38LVICAT</td>
</tr>
</tbody>
</table>

#### 3002 Adjustable Pinhole Reflector
- Die cast trim ring with black oculus and clear specular reflector
- For concentrated accent lighting
- 15° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>H36ICAT</td>
<td>H38LVICAT</td>
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</tbody>
</table>

#### 3006 Adjustable Slot Aperture
- Die cast trim ring with metal black baffle
- For directional illumination
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
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</thead>
<tbody>
<tr>
<td>Housing</td>
<td>H36ICAT</td>
<td>H38LVICAT</td>
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</tbody>
</table>

#### 3020 Wall Wash Downlight
- Die cast trim ring
- Integral wall wash reflector
- 360° orientation within housing
- For a subtle grazing light effect on cabinet faces along with a direct downlight on counter tops or similar applications

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>H36ICAT</td>
<td>H38LVICAT</td>
</tr>
</tbody>
</table>

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**Dimensions**
- A: 1-5/8” [41mm], CO: 3-3/4” [95mm], OD: 4-1/4” [108mm]

**Dimensions**
- A: 1-5/8” [41mm], CO: 3-3/4” [95mm], OD: 4-1/4” [108mm]

**Dimensions**
- A: 1-5/8” [41mm], CO: 3-3/4” [95mm], OD: 4-1/4” [108mm]

---

3001WHWB
White Baffle, White Trim

3001WHBB
Black Baffle, White Trim

3001SNBB
Black Baffle, Satin Nickel Trim

3001TBZBB
Black Baffle, Tuscan Bronze Trim

3006WHBB
Black Baffle, White Trim

3006SNBB
Black Baffle, Satin Nickel Trim

3006TBZBB
Black Baffle, Tuscan Bronze Trim

3020WW
Wall Wash Downlight with White Trim Ring

---

Lamp 120V GU10 50W 12V MR16 50W
Housing H36ICAT H38LVICAT H36ICAT H38LVICAT

Lamp 12V MR16 37W
Housing H38LVICAT

Halo Recessed Catalog - 3” Recessed Downlighting
HALO
Halo Recessed Catalog - 3” Recessed Downlighting
Specifications, compliances and dimensions subject to change without notice

3 INCH
H3 Series – GU10 Non-IC Housing
H36TAT

H36TAT

3” Non-IC, Air-Tite, Shallow New Construction, 120V
H36TAT is a Non-IC, Air-Tite™ housing for use with H3 3” series trims. Housing is Air-Tite to restrict airflow between conditioned spaces and unconditioned areas. For use with 120V GU10 lamps. Non-IC housing is Air-Tite™ but insulation must be kept 3 inches away from all sides of housing.

Features

Housing
Formed of CRS with white powder coat finish

Plaster Frame
Housing adjusts in plaster frame to accommodate up to 1-1/2” ceiling thickness. Galvanized steel construction. Plaster frame features include:
• Regressed locking screw for securing hanger bars
• Cutouts for easily crimping hanger bars in position
• HALO name embossed on plaster frame
• The housing may be removed from plaster frame to provide access to the junction box
• Pre-installed Air-Tite gasket

Includes:
• Air-Tite™ code compliant (Details Pg. 11)
• Got Nail™ bar hangers (Details Pg. 11)
• Slide-N-Side™ junction box wire traps (Details Pg. 11)
• Pass-N-Thru™ bars (Details Pg. 11)
• Quick Connect™ push wire nuts (Details Pg. 11)

Socket
GU10 socket for 120V GU10 lamps

Accessory
Z28 Lamp: 120V, GU10, reflector lamp

Special Features
Air-Tite™ code compliant
Got Nail™ bar hangers
Slide-N-Side™ junction box wire traps
Pass-N-Thru™ bars
Quick Connect™ push wire nuts

Compatible Trims

<table>
<thead>
<tr>
<th></th>
<th>3001</th>
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<th>3003</th>
<th>3004</th>
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</tbody>
</table>

Compliances
• cULus Listed 1598 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
• RoHS compliant
H3 Series – GU10 Non-IC Housing

H36RTAT

3” Non-IC, Air-Tite, Shallow Remodel, 120V

H36RTAT is a Non-IC, Air-Tite™ remodel housing for use with H3 3” series trims. For installation from below the ceiling. Housing is Air-Tite to restrict airflow between conditioned spaces and unconditioned areas. For use with 120V GU10 lamps. Non-IC housing is Air-Tite™ but insulation must be kept 3 inches away from all sides of housing.

Features

Housing
Formed of CRS with white powder coat finish

Remodel Plaster Frame
“Easy clip” provided to secure plaster frame in ceiling while installation is being completed. Adjustable cam-locks provide positive lock of housing to plaster frame to complete housing installation.

Includes:
- Air-Tite™ code compliant (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)

Socket
GU10 socket for 120V GU10 lamps

Accessory
Z28 Lamp: 120V, GU10, reflector lamp

Compliances
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

Special Features

<table>
<thead>
<tr>
<th>Include</th>
<th>Compatible Trims</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air-Tite™ code compliant</td>
<td>3001 3004 3008 3011 3017</td>
</tr>
<tr>
<td>Quick Connect™ push wire nuts</td>
<td>3002 3006 3009 3012 3020</td>
</tr>
<tr>
<td></td>
<td>3003 3007 3010 3013</td>
</tr>
</tbody>
</table>

Remodel Housing Installation

- Cut hole in ceiling using template supplied
- Bring power to fixture using non metallic sheathed cable or flexible metal cable (per local code)
- The Slide-N-Side™ wire trap lets you make all wiring connections outside the junction box
- Slide cable into Slide-N-Side™ wire trap and close junction box cover
- Insert plaster frame into ceiling opening
- Support clip keeps plaster frame in place during rest of installation
- Insert housing into position and align slots in housing wall with indicator label on inside of plaster frame opening (bottom of cam lock spring blades should be positioned on flat area of the plaster frame). Then secure in position with cam locks
- Install lamp and insert trim to complete installation
H3 Series – Low Voltage MR16 Non-IC Housing

H36LVTAT

3" Non-IC, Air-Tite, Shallow New Construction, 120V – 12V Low Voltage, MR16

H36LVTAT is a Non-IC, Air-Tite™ housing for use with H3 3" series trims. Housing is Air-Tite to restrict airflow between conditioned spaces and unconditioned areas. For use with 12V MR16 lamps. Non-IC housing is Air-Tite™ but insulation must be kept 3 inches away from all sides of housing.

Features

Housing
Formed of CRS with white powder coat finish

Plaster Frame
Housing adjusts in plaster frame to accommodate up to 1-1/2" ceiling thickness. Galvanized steel construction. Plaster frame features include:
- Regressed locking screw for securing hanger bars
- Cutouts for easily crimping hanger bars in position
- HALO name embossed on plaster frame
- The housing may be removed from plaster frame to provide access to the junction box
- Pre-installed Air-Tite gasket

Includes:
- Air-Tite™ code compliant (Details Pg. 11)
- Got Nail™ bar hangers (Details Pg. 11)
- Slide-N-Side™ junction box wire traps (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)

Transformer
Integral magnetic transformer steps 120V line voltage down to 12V lamp operating voltage. Rated for MR16 lamps, 50W max.

Socket
GU5.3 socket for 12V MR16 lamps

Compliances
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at 1.57 psf (75 Pa) pressure differential
- RoHS compliant

Special Features

Air-Tite™ code compliant
Got Nail™ bar hangers
Slide-N-Side™ junction box
Pass-N-Thru™ bars
Quick Connect™ push wire nuts

Compatible Trims

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<tr>
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H3 Series – Low Voltage MR16 Non-IC Housing
H36LVTATCP

3" Non-IC, Air-Tite, Shallow New Construction, Chicago Plenum, 120V – 12V Low Voltage, MR16

H36LVTATCP is a Non-IC, Air-Tite, housing designed for non-insulated Chicago Plenum ceilings. For use with 12V MR16 lamps. Non-IC housing requires insulation must be kept 3 inches away from all sides of housing.

Features

Housing
Formed of CRS with white powder coat finish

Plaster Frame
Housing adjusts in plaster frame to accommodate up to 1-1/2" ceiling thickness. Galvanized steel construction. Plaster frame features include:
- Regressed locking screw for securing hanger bars
- Cutouts for easily crimping hanger bars in position
- HALO name embossed on plaster frame
- The housing may be removed from plaster frame to provide access to the junction box
- Pre-installed Air-Tite gasket

Includes:
- Air-Tite™ code compliant (Details Pg. 11)
- Got Nail™ bar hangers (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)
- Chicago Plenum

Transformer
Integral magnetic transformer steps 120V line voltage down to 12V lamp operating voltage. Rated for MR16 lamps, 50W max.

Includes:
- Air-Tite™ code compliant (Details Pg. 11)
- Got Nail™ bar hangers (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)
- Chicago Plenum

Socket
GU5.3 socket for 12V MR16 lamps

Compliances
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trim
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant
- City of Chicago Plenum

Special Features

Compatible Trims

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</table>
H3 Series – Low Voltage MR16 Non-IC Housing
H36LVRTAT

3” Non-IC, Air-Tite, Shallow Remodel, 120V – 12V Low Voltage, MR16
H36LVRTAT is a Non-IC, Air-Tite™ remodel housing for use with H3 3” series trims. For installation from below the ceiling. Housing is Air-Tite to restrict airflow between conditioned spaces and unconditioned areas. For use with 12V MR16 lamps. Non-IC housing is Air-Tite™ but insulation must be kept 3 inches away from all sides of housing.

Features

Housing
Formed of CRS with white powder coat finish

Remodel Plaster Frame
“Easy clip” provided to secure plaster frame in ceiling while installation is being completed. Adjustable cam-locks provide positive lock of housing to plaster frame to complete housing installation.

Transformer
Integral magnetic transformer steps 120V line voltage down to 12V lamp operating voltage. Rated for MR16 lamps, 50W max.

Socket
GU5.3 socket for 12V MR16 lamps

Includes:
• Air-Tite™ code compliant (Details Pg. 11)
• Quick Connect™ push wire nuts (Details Pg. 11)

Special Features
Air-Tite™ code compliant
Quick Connect™ push wire nuts

Compliances
• cULus Listed 1598 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
• RoHS compliant

Remodel Housing Installation

Cut hole in ceiling using template supplied
Bring power to fixture using non metallic sheathed cable or flexible metal cable (per local code)
The Slide-N-Side™ wire trap lets you make all wiring connections outside the junction box
Slide cable into Slide-N-Side™ wire trap and close junction box cover
Insert plaster frame into ceiling opening
Support clip keeps plaster frame in place during rest of installation
Insert housing into position and align slots in housing wall with indicator label on inside of plaster frame opening (bottom of cam lock spring blades should be positioned on flat area of the plaster frame). Then secure in position with cam locks.
Install lamp and insert trim to complete installation

Compatible Trims

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</table>
H3 Series – Low Voltage MR16 Non-IC Housing
H36LVTAT277

3" Non-IC, Air-Tite, Shallow New Construction, 120/277V – 12V Low Voltage, MR16
H36LVTAT277 is a Non-IC, Air-Tite™ housing for use with H3 3" series trims. Housing is Air-Tite to restrict airflow between conditioned spaces and unconditioned areas. For use with 12V MR16 lamps. H36LVTAT277 features integral 120/277 dual-tap transformer. For use with 12V MR16 lamps. Designed for installation in 120 or 277V electrical systems. Non-IC housing is Air-Tite™ but insulation must be kept 3 inches away from all sides of housing.

Features

Housing
Formed of 20 gauge CRS with white powder coat finish

Plaster Frame
Housing adjusts in plaster frame to accommodate up to 1-1/2" ceiling thickness. Galvanized steel construction. Plaster frame features include:
- Regressed locking screw for securing hanger bars
- Cutouts for easily crimping hanger bars in position
- HALO name embossed on plaster frame
- The housing may be removed from plaster frame to provide access to the junction box
- Pre-installed Air-Tite™ gasket

Includes:
- Air-Tite™ code compliant (Details Pg. 11)
- Got Nail™ bar hangers (Details Pg. 11)
- Slide-N-Side™ junction box wire traps (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)

Transformer
Integral 120/277V dual-tap magnetic transformer steps line voltage down to 12V nominal MR16 lamp operating voltage. Rated for 50W max. Housing ships as 277V model with 120V transformer wire lead capped. For use in 120V systems, simply cap the 277V wire lead and use 120V lead (refer to instructions supplied with housing).

Socket
GU5.3 socket for 12V MR16 lamps

Compliances
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant
H3 Series – Low Voltage MR16 Non-IC Housing

H36LVRTAT277

3” Non-IC, Air-Tite, Shallow Remodel, 120/277V – 12V Low Voltage, MR16

H36LVRTAT277 is a Non-IC, Air-Tite™ housing for use with H3 3” series trims. For installation from below the ceiling. Housing is Air-Tite to restrict airflow between conditioned spaces and unconditioned areas. H36LVRTAT277 features integral 120/277 dualtap transformer. For use with 12V MR16 lamps. Designed for installation in 120 or 277V electrical systems. Non-IC housing is Air-Tite™ but insulation must be kept 3 inches away from all sides of housing.

Features

**Housing**
Formed of CRS with white powder coat finish

**Remodel Plaster Frame**
“Easy clip” provided to secure plaster frame in ceiling while installation is being completed. Adjustable cam-locks provide positive lock of housing to plaster frame to complete housing installation.

Includes:
- Air-Tite™ code compliant (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)

**Transformer**
Integral 120/277V dual-tap magnetic transformer steps line voltage down to 12V nominal MR16 lamp operating voltage. Rated for 50W max. Housing ships as 277V model with 120V transformer wire lead capped. For use in 120V systems, simply cap the 277V wire lead and use 120V lead (refer to instructions supplied with housing).

**Socket**
GU5.3 socket for 12V MR16 lamps

**Compliances**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

**Special Features**
- Air-Tite™ code compliant
- Quick Connect™ push wire nuts

**Compatible Trims**
- 3001
- 3004
- 3008
- 3011
- 3017
- 3002
- 3006
- 3009
- 3012
- 3020
- 3003
- 3007
- 3010
- 3013

Remodel Housing Installation

- Cut hole in ceiling using template supplied
- Bring power to fixture using non metallic sheathed cable or flexible metal cable (per local code)
- The Slide-N-Side™ wire trap lets you make all wiring connections outside the junction box
- Slide cable into Slide-N-Side™ wire trap and close junction box cover
- Insert plaster frame into ceiling opening
- Support clip keeps plaster frame in place during rest of installation
- Insert housing into position and align slots in housing wall with indicator label on inside of plaster frame opening (bottom of cam lock spring blades should be positioned on flat area of the plaster frame). Then secure in position with cam locks.
- Install lamp and insert trim to complete installation
### H3 Series Trims

Non-IC Housings: H36TAT • H36RTAT • H36LVTAT • H36LVTATCP • H36LVRTAT • H36LVRTAT277 • H36LVRTAT277

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#### Reflectors

**3004 Adjustable Reflector**

- Die cast trim ring with reflector
- For general illumination
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>H36RTAT H36TAT</td>
<td>H36LVRTAT H36LVRTAT277 H36LVTAT H36LVTAT277 H36LVRTATCP</td>
</tr>
</tbody>
</table>

**Dimensions**

A: 2" [51mm]
BD: 3" [75mm]
CO: 3-3/4" [95mm]
OD: 4-1/4" [108mm]

![3004WHW] Tuscan Bronze Reflector, Tuscan Bronze Trim

**3004WHW**
White Reflector, White Trim

**3004WHC**
Clear Reflector, White Trim

**3004WHH**
Haze Reflector, White Trim

**3004SN**
Satin Nickel Reflector, Satin Nickel Trim

---

#### Baffles

**3003 Adjustable Coilex® Baffle**

- Die cast trim ring with machined metal Coilex baffle
- For general illumination
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
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</tr>
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<td>H36LVRTAT H36LVRTAT277 H36LVTAT H36LVTAT277 H36LVRTATCP</td>
</tr>
</tbody>
</table>

**Dimensions**

A: 2" [51mm]
BD: 3" [75mm]
CO: 3-3/4" [95mm]
OD: 4-1/4" [108mm]

![3003TBZ] Tuscan Bronze Coilex Baffle, Tuscan Bronze Trim

**3003TBZB**
Tuscan Bronze Coilex Baffle, Tuscan Bronze Trim

**3003WHWB**
White Coilex Baffle, White Trim

**3003WHBB**
Black Coilex Baffle, White Trim

**3003BKBB**
Black Coilex Baffle, Black Trim

**3003SNB**
Satin Nickel Coilex Baffle, Satin Nickel Trim

---

#### 3011 Square Adjustable Baffle

- Die cast trim ring with metal baffle
- For general illumination
- 15° tilt, 350° integral lamp holder rotation with locking thumbscrew

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
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</tr>
</tbody>
</table>

**Dimensions**

A: 1-7/8" [48mm]
BD: 2-1/4" [57mm]
CO (Round): 3-3/4" [95mm]
OD: 4-1/4" [108mm]

![3011WHWB] Tuscan Bronze Baffle, Tuscan Bronze Trim

**3011WHWB**
White Baffle, White Trim

**3011WHBB**
Black Baffle, White Trim

**3011BKBB**
Black Baffle, Black Trim

**3011SNB**
Black Baffle, Satin Nickel Trim

---

**Key:** A: Luminous Aperture, RD/BD: Reflector/Baffle Diameter, CO: Ceiling Opening, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice

HALO Halo Recessed Catalog - 3" Recessed Downlighting
### Adjustable – Eyeballs & Gimbals

#### 3009 Adjustable Gimbal - 35° Tilt
- Die cast trim ring with die cast gimbal
- For directional accent lighting
- 35° tilt, 15° negative tilt, 360° gimbal orientation and trim within housing

<table>
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<td>H36LVTAT277</td>
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<tr>
<td></td>
<td>H36LVTATCP</td>
<td>H36LVTATCP</td>
</tr>
</tbody>
</table>

- **3009WHWB** White Baffle, White Gimbal
- **3009WHBB** Black Baffle, White Gimbal
- **3009KBB** Black Baffle, Black Gimbal
- **3009SNBB** Black Baffle, Satin Nickel Gimbal
- **3009TBZBB** Black Baffle, Tuscan Bronze Gimbal

**Dimensions**
- A: 1-3/4” [45mm]
- BD: 2-1/2” [64mm]
- G: 2-3/4” [70mm]
- CO: 3-3/4” [95mm]
- OD: 4-1/4” [108mm]

#### 3010 Super Adjustable - 0-75° Adjustment
- Die cast trim ring and adjustable lamp sleeve
- For directional accent lighting
- Integral nylon ball bearings and silicone guides protect finish
- 0-75° tilt, 360° orientation within housing
- Front-loading, turn-lock lamp access

<table>
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<td></td>
<td>H36LVTATCP</td>
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</tr>
</tbody>
</table>

- **3010WH** White Baffle, White Trim
- **3010SN** Satin Nickel Baffle, Satin Nickel Trim

**Dimensions**
- A: 1-3/4” [45mm]
- Adj. Dia.: 2-3/8” [60mm]
- BD: 2-1/2” [64mm]
- G: 2-3/4” [70mm]
- CO: 3-3/4” [95mm]
- OD: 4-1/4” [108mm]

#### 3013 Square Adjustable Gimbal
- Die cast trim ring with die cast gimbal
- For accent and task lighting
- 35° positive tilt, 15° negative tilt, 360° orientation within housing
- Front-loading, snap-in lamp access face plate

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<td>H36LVTATCP</td>
<td>H36LVTATCP</td>
</tr>
</tbody>
</table>

- **3013WH** White
- **3013SN** Satin Nickel
- **3013TBZ** Tuscan Bronze
- **3013BK** Black

**Dimensions**
- A: 1-3/4” [45mm]
- G: 2-1/4” [57mm]
- CO (Round): 3-3/4” [95mm]
- OD (Square): 4-1/4” [108mm]

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**Key:** A: Luminous Aperture, RD/BD: Reflector/Baffle Diameter, CO: Ceiling Opening, OD: Trim Outside Diameter, G: Gimbal Outside Diameter

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**Specifications, compliances and dimensions subject to change without notice**
3007 Regressed Lens Adjustable Reflector

- Die cast trim ring: TBZ models
- Non-conductive & non-corrosive polymer trim ring: WHC, PCC, SN models
- Regressed clear lens
- For general illumination
- Wet location listed for showers
- 15° tilt, 360° orientation within housing

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<td>H36LVTAT277</td>
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</table>

3008 Frosted Glass Perimeter Lens

- Non-conductive & non-corrosive polymer trim ring
- Glass lens with frosted perimeter
- Clear specular upper reflector
- Wet location listed for showers, “Dead-Front”
- 360° orientation within housing

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3017 Decorative Low-Profile Glass Curve

- Die cast construction and decorative glass element
- Frost glass perimeter with clear glass center
- Wet location listed for showers

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</tbody>
</table>
3001 Adjustable Pinhole Baffle

- Die cast trim ring with black oculus and machined metal baffle
- For concentrated accent lighting
- 15° tilt, 360° orientation within housing

<table>
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<th>120V GU10 50W</th>
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<td>H36LVRTAT277</td>
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<td>H36LVTATCP</td>
</tr>
</tbody>
</table>

3001WHWB White Baffle, White Trim
3001WHBB Black Baffle, White Trim
3001SNBB Black Baffle, Satin Nickel Trim
3001BKBB Black Baffle, Black Trim
3001TBZBB Black Baffle, Tuscan Bronze Trim

Dimensions**
A: 1-5/8" [41mm]
CO: 3-3/4" [95mm]
OD: 4-1/4" [108mm]

3002 Adjustable Pinhole Reflector

- Die cast trim ring with black oculus and clear specular reflector
- For concentrated accent lighting
- 15° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
<th>Housing</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>H36RTAT</td>
<td>H36LVRTAT277</td>
<td>H36LVTAT277</td>
<td>H36LVTATCP</td>
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<td>H36LVRTAT277</td>
<td>H36LVTAT277</td>
<td>H36LVTATCP</td>
</tr>
</tbody>
</table>

3002WHC Clear Reflector, White Trim

Dimensions**
A: 1-5/8" [41mm]
CO: 3-3/4" [95mm]
OD: 4-1/4" [108mm]

3006 Adjustable Slot Aperture

- Die cast trim ring with metal black baffle
- For directional illumination
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
<th>Housing</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
<th>Housing</th>
</tr>
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<tbody>
<tr>
<td></td>
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<td>H36LVRTAT277</td>
<td>H36LVTAT277</td>
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<td>H36LVRTAT277</td>
<td>H36LVTAT277</td>
<td>H36LVTATCP</td>
</tr>
</tbody>
</table>

3006WHBB Black Baffle, White Trim
3006SNBB Black Baffle, Satin Nickel Trim
3006BKBB Black Baffle, Black Trim
3006TBZBB Black Baffle, Tuscan Bronze Trim

Dimensions**
A: 1-5/8" [41mm]
CO: 3-3/4" [95mm]
OD: 4-1/4" [108mm]

3020 Wall Wash Downlight

- Die cast trim ring
- Integral wall wash reflector
- 360° orientation within housing
- For a subtle grazing light effect on cabinet faces along with a direct downlight on counter tops or similar applications

<table>
<thead>
<tr>
<th>Lamp</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
<th>Housing</th>
<th>120V GU10 50W</th>
<th>12V MR16 50W</th>
<th>Housing</th>
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</thead>
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<td>H36LVRTAT277</td>
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<td>H36LVRTAT277</td>
<td>H36LVTAT277</td>
<td>H36LVTATCP</td>
</tr>
</tbody>
</table>

3020WW Wall Wash Downlight, White Trim

Dimensions**
A: 1-9/16" [40mm]
CO: 3-3/4" [95mm]
OD: 4-1/4" [108mm]

**Key: A: Luminous Aperture, CO: Ceiling Opening, OD: Trim Outside Diameter
<table>
<thead>
<tr>
<th>Feature</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; E44 LED Lamp</td>
<td>166</td>
</tr>
<tr>
<td>Low Voltage Housings</td>
<td>168</td>
</tr>
<tr>
<td>Line Voltage Housings</td>
<td>170</td>
</tr>
<tr>
<td>Wafer Thin Trims</td>
<td>174</td>
</tr>
<tr>
<td>Full Overlap Trims</td>
<td></td>
</tr>
<tr>
<td>4&quot; E26 Screw Base</td>
<td>178</td>
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<tr>
<td>IC Housings &amp; Trims</td>
<td>180</td>
</tr>
<tr>
<td>Non-IC Housings &amp; Trims</td>
<td>185</td>
</tr>
<tr>
<td>4&quot; Low Voltage</td>
<td>183</td>
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<tr>
<td>IC Housings</td>
<td>184</td>
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<tr>
<td>Non-IC Housings</td>
<td>187</td>
</tr>
<tr>
<td>Trims</td>
<td></td>
</tr>
</tbody>
</table>

IC = Insulated Ceiling  
Non-IC = Non-Insulated Ceiling
E44 Series
4-inch Pin Base Housings & Trims

A family of 4-inch housings and trims optimized for use with LED lamps delivering longer life and energy savings. The ultra-shallow housings are available in new construction and remodel types suitable for 2x4 framing or shallow plenum installation. The compact plaster frame with repositionable junction box fits in tight spacing.

The line voltage housings with GU10 base are available in 10 or 20 watt ratings and can be used with LED or halogen lamp types. The low voltage housings with Gx5.3 base and integral 120/277V step down transformer is rated at 10 watts maximum, ideal for use with LED MR16 lamps.

Trims are also optimized for use with LED lamps and are available in round and square apertures in a range of finishes to match many decors. The E44 round and square pinhole trims match the appearance of the ML4 series allowing lamp and light engine based solutions to be combined while maintaining a consistent look.

Housing Features

1. Got-Nail™ bar hangers
   - Q-channel interlocking bars for secure adjustment
   - Pass-N-Thru feature allows bars to pass through each other for adjustment and tool-less shortening without removal
   - Housing can be positioned at any point within 24" joist span

2. Compact plaster frame
   - (2) Locking screws maintain positioning
   - Housing can be positioned anywhere along bar hanger and tight to joists

3. Perforation pattern
   - Accepts wall board screws anchoring the housing to the ceiling
   - Eliminates housing 'bounce' and trim gap to ceiling

4. AIR-TITE gasket
   - Pre-installed compression gasket with a special can design that limits airflow and seals the can, frame & ceiling
   - No additional gaskets or caulk required - saving installation time and money
   - Tested to ASTM-E283-04 standard

5. Slide-N-Side junction box
   - Hinged captive cover, box repositionable on the frame to clear obstructions
   - Slide-N-Side wire traps and quick connects allow non-metallic sheathed cable to be installed outside the box, without tools and without removing knockouts.
   - Accommodates standard non-metallic sheathed cable:
     - U.S.: #14/2, #14/3, #12/2, #12/3
     - Canada: #14/2, #14/3, #12/2

New construction housings feature a toroidal wound, magnetic step-down transformer with 120/277V input and 12V 10W nominal output that is highly efficient and low noise. The remodeler housing uses the same transformer with 120V input only. The transformer is integral to the junction box and can be serviced from below the ceiling through the aperture.
**Trim Features**

**Wafer thin trims**

The E44 wafer thin trims are used with the new construction housings. The 1.0 mm thin profile provides minimal ceiling presence.

**Full overlap trims**

The E44 full overlap trims are used with both new construction and remodeler housings. The full overlap flange style trims match the ML4 trim series.

The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.

**Lamp Installation and adjustment**

1. Coil spring holds lamp securely in position.
2. Friction blades hold trim securely to housing.
3. Accepts (1) lens or louver.
4. Rotates 360°.
5. Four prongs align the lamp and lens to aperture. Accomodates various lamp constructions.
6. Tilts up to 35°. Lever arm locks in at 2.5° increments.
E44 Series - Pin Base Housing

E44MR16ICAT

4" Ultra-Shallow Recessed Low Voltage New Construction Housing

Recessed 4" aperture ultra-shallow new construction housing with integral step down transformer optimized for low voltage LED MR16 lamps. Suitable for 2x4 residential framing or shallow plenum commercial construction, meets restrictive airflow requirements and can be used in direct contact with insulation. Use with compatible Halo™ trims and LED MR16 lamps (by others) providing a broad range of trim styles and optical distributions.

Features

Housing
- Single wall deep drawn aluminum housing painted matte black for a visually dark interior
- Adjusts vertically to accommodate 3/8" to 1-1/4" thick ceilings and locks in position with (3) setscrews
- Integral gasket achieves airtight compliance without additional caulk or gaskets
- Shipped with overspray protector installed
- Housing can be removed from below the ceiling for service or splice inspection

Plaster Frame
- Notches facilitate use of guide strings or laser lines for precise positioning
- Regressed screws provide positive horizontal bar hanger locking from below the ceiling
- Perforations accept drywall screws from below securing housing to ceiling structure

Bar Hangers
- Captive preinstalled Got-Nail™ bar hangers supports housing any point along span and tight to framing
- Pass-N-Thru™ feature allows adjust from 6” to 24” wide without removal
- Captive nail penetrates standard and engineered lumber
- Leveling flange aligns plaster frame with structure
- Integral clip attaches directly to tee-bar

Universal Mounting Bracket Accessory
- Accepts 1/2” EMT, C channel and bar hangers
- Adjusts 3” vertically from above the ceiling
- Installed to plaster frame with (2) screws (provided)

Junction Box
- Compact galvanized steel junction box with 16in3 internal volume
- Listed for (10) #12 AWG 90˚ C splice conductors
- Repositionable 90˚ on plaster frame to avoid obstructions
- Hinged door is retained and provides easy access to field wiring
- (6) ½” conduit pry-outs positioned to allow straight conduit runs
- (3) Slide-N-Side™ non-metallic (NM) wire traps allows wiring outside the box
- Accepts 14-2, 14-3, 12-2 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections

Step Down Transformer
- Low noise toroidal wound magnetic step down transformer
- Thermally protected
- 120/277V 60Hz input provides 12V nominal at 10W output

Socket
- Gx5.3 socket for bi-pin 12V LED MR16 lamps

Compliant Trims

<table>
<thead>
<tr>
<th>Compatible Trims</th>
</tr>
</thead>
<tbody>
<tr>
<td>1430</td>
</tr>
<tr>
<td>1431</td>
</tr>
<tr>
<td>1434</td>
</tr>
<tr>
<td>1435</td>
</tr>
<tr>
<td>1464</td>
</tr>
</tbody>
</table>

Special Features

Got-Nail™ bar hangers
Pass-N-Thru™ bar hangers
Quick Connect™ push wire nuts
Air-Tite™ code compliant
Slide-N-Side™ junction box

Energy Data

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>120V</th>
<th>277V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Current</td>
<td>0.099 (mA)</td>
<td>(mA)</td>
</tr>
<tr>
<td>Input Power</td>
<td>11.89 (W)</td>
<td>(W)</td>
</tr>
<tr>
<td>Inrush (A)</td>
<td>2 (A)</td>
<td>(A)</td>
</tr>
<tr>
<td>THD</td>
<td>≤ 20%</td>
<td></td>
</tr>
<tr>
<td>PF</td>
<td>≥ 0.90</td>
<td></td>
</tr>
<tr>
<td>T Ambient</td>
<td>-40 - +40°C</td>
<td></td>
</tr>
<tr>
<td>Sound Rating</td>
<td>≤ 20dba</td>
<td></td>
</tr>
</tbody>
</table>

Specifications, compliances and dimensions subject to change without notice
E44MR16RICAT

4" Ultra-Shallow Recessed Low Voltage Remodeler Housing

Recessed 4” aperture ultra-shallow install from below remodeler type housing with integral step down transformer optimized for low voltage LED MR16 lamps. Suitable for 2x4 residential framing or shallow plenum commercial construction, meets restrictive airflow requirements and can be used in direct contact with insulation. Use with compatible Halo™ trims and LED MR16 lamps (by others) providing a broad range of trim styles and optical distributions.

Features

Housing
- Single wall deep drawn aluminum housing painted matte black for a visually dark interior
- Accommodates ceilings from 3/8” to 1-1/4” thick
- Shipped with overspray protector installed

Mounting Springs
- Captive preinstalled mounting springs retain housing securely in ceiling.
- Housing can be removed from below the ceiling for service or splice inspection

Gasket
- Closed cell gaskets achieve restrictive airflow requirements without additional gaskets or caulking

Junction Box
- Compact galvanized steel junction box with 10in3 internal volume
- Listed for (6) #12 AWG 90˚ C splice conductors
- Hinged door is retained and provides easy access to field wiring
- (3) ½” conduit pry-outs

• (3) Slide-N-Side™ non-metallic (NM) wire traps allows wiring outside the box
• Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
• Quick Connect™ remodel wiring tray holds (3) 4-port
• push wire nuts facilitating mains voltage connections

Step Down Transformer
- Low noise toroidal wound magnetic step down transformer
- Thermally protected
- 120V 60Hz input provides 12V at 10W output

Socket
- Gx5.3 socket for bi-pin 12V LED MR16 lamps

Trims
- Compatible with a broad range of trim styles and optical distributions
- Friction blades hold trim tight to ceiling surface, gasket minimizes light leaks
- Use with full overlap or die cast flange styles

Compliances
- Type IC suitable for direct contact to air permeable insulation and cULus listed for damp locations
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013
- Wet location listed in covered ceilings and IP44 certified with select lens trims
- Airtight per ASTM-E283
- Can be used for State of California Title 24 high efficacy luminaire compliance with designated trims and CA JA8-2016-E labeled lamps
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- Contains no mercury or lead and RoHS compliant

Energy Data

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>120V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Current</td>
<td>(mA)</td>
</tr>
<tr>
<td>Input Power</td>
<td>(W)</td>
</tr>
<tr>
<td>Inrush (A)</td>
<td>(A)</td>
</tr>
<tr>
<td>THD</td>
<td>≤ 20%</td>
</tr>
<tr>
<td>PF</td>
<td>≥ 0.90</td>
</tr>
<tr>
<td>T Ambient</td>
<td>-40 - +40°C</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>≤ 20dbA</td>
</tr>
</tbody>
</table>
E44PAR16ICAT

4” Ultra-Shallow Recessed Line Voltage New Construction Housing

Recessed 4” aperture ultra-shallow new construction housing optimized for line voltage LED or halogen PAR16 lamps. Suitable for 2x4 residential framing or shallow plenum commercial construction, meets restrictive airflow requirements and can be used in direct contact with insulation. Use with compatible Halo™ trims and PAR16 lamps (by others) providing a broad range of trim styles and optical distributions.

Features

Housing
- Single wall deep drawn aluminum housing painted matte black for a visually dark interior
- Adjusts vertically to accommodate 3/8” to 1-1/4” thick ceilings and locks in position with (3) setscrews
- Integral gasket achieves airtight compliance without additional caulk or gaskets
- Shipped with overspray protector installed
- Housing can be removed from below the ceiling for service or splice inspection

Plaster Frame
- Compact galvanized steel plaster frame with integral bar hanger receivers
- Notches facilitate use of guide strings or laser lines for precise positioning
- Regressed screws provide positive horizontal bar hanger locking from below the ceiling
- Perforations accept drywall screws from below securing housing to ceiling structure

Bar Hangers
- Captive preinstalled Got-Nail™ bar hangers supports housing any point along span and tight to framing
- Pass-N-Thru™ feature allows adjust from 8” to 24” wide without removal
- Captive nail penetrates standard and engineered lumber
- Leveling flange aligns plaster frame with structure
- Integral clip attaches directly to tee-bar

Universal Mounting Bracket Accessory
- Accepts 1/2” EMT, C channel and bar hangers
- Adjusts 3” vertically from above the ceiling
- Installed to plaster frame with (2) screws (provided)

Junction Box
- Compact galvanized steel junction box with 16in³ internal volume
- Listed for (10) #12 AWG 90˚ C splice conductors
- Repositionable 90˚ on plaster frame to avoid obstructions
- Hinged door is retained and provides easy access to field wiring
- (6) ½” conduit pry-outs positioned to allow straight conduit runs
- (3) Slide-N-Side™ non-metallic (NM) wire traps allows wiring outside the box
- Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections

Socket
- GU10 socket for 120V LED PAR16 lamps

Trims
- Compatible with a broad range of trim styles and optical distributions
- Friction blades hold trim tight to ceiling surface, gasket minimizes light leaks
- Use with wafer thin, full overlap or die cast flange styles

Compatible Trims

<table>
<thead>
<tr>
<th>1430</th>
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<td>1464</td>
<td>1436</td>
<td>1445</td>
<td>1449</td>
<td>1486</td>
</tr>
</tbody>
</table>

Compliances
- Type IC thermally protected, suitable for direct contact to air permeable insulation and cULus listed for damp locations
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013
- Wet location listed in covered ceilings and IP44 certified with select lens trims
- Airtight per ASTM-E283
- Can be used for State of California Title 24 high efficacy luminaire compliance with designated trims and CA T24-2016-E labeled lamps
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- Contains no mercury or lead and RoHS compliant

Energy Data

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>120V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Current</td>
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</tr>
<tr>
<td>Input Power</td>
<td>11.89 (W)</td>
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<tr>
<td>Inrush (A)</td>
<td>2 (A)</td>
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<tr>
<td>THD</td>
<td>≤ 20%</td>
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<td>T Ambient</td>
<td>-40 - +40°C</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>≤ 26dBA</td>
</tr>
</tbody>
</table>
E44 Series - Pin Base Housing
E44PAR16RICAT

4" Ultra-Shallow Recessed Line Voltage Remodeler Housing

Recessed 4" aperture ultra-shallow install from below remodeler type housing for line voltage LED or halogen PAR16 lamps. Suitable for 2x4 residential framing or shallow plenum commercial construction, meets restrictive airflow requirements and can be used in direct contact with insulation. Use with compatible Halo™ trims and PAR16 lamps (by others) providing a broad range of trim styles and optical distributions.

Features

**Housing**
- Single wall deep drawn aluminum housing painted matte black for a visually dark interior
- Accommodates ceilings from 3/8" to 1-1/4" thick
- Shipped with overspray protector installed

**Mounting Springs**
- Captive preinstalled mounting springs retain housing securely in ceiling.
- Housing can be removed from below the ceiling for service or splice inspection

**Gasket**
- Closed cell gaskets achieve restrictive airflow requirements without additional gaskets or caulking

**Junction Box**
- Compact galvanized steel junction box with 10in³ internal volume
- Listed for (6) #12 AWG 90⁰ C splice conductors

- Hinged door is retained and provides easy access to field wiring
- (3) ½” conduit pry-outs
- (3) Slide-N-Side™ non-metallic (NM) wire traps allows wiring outside the box
- Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
- Quick Connect™ remodel wiring tray holds (3) 4-port push wire nuts facilitating mains voltage connections

**Socket**
- GU10 socket for 120V LED or halogen PAR16 lamps

- Compatible with a broad range of trim styles and optical distributions
- Friction blades hold trim tight to ceiling surface, gasket minimizes light leaks
- Use with full overlap or die cast flange styles

**Compliances**
- Type IC thermally protected, suitable for direct contact to air permeable insulation and cULus listed for damp locations
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013
- Wet location listed in covered ceilings and IP44 certified with select lens trims
- Airtight per ASTM-E283
- Can be used for State of California Title 24 high efficacy luminaire compliance with designated trims and CA T24-2016-E labeled lamps
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- Contains no mercury or lead and RoHS compliant

**Energy Data**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Input Voltage</td>
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<td>Input Power</td>
<td>W</td>
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<td>Sound Rating</td>
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</tr>
</tbody>
</table>

Specifications, compliances and dimensions subject to change without notice
**E44 Series - Wafer Thin Trims**

**Directional Open**

### 1430 Conical Reflector

- Use in new construction housings
- For general illumination
- 1.0 mm thin profile provides minimal ceiling presence
- 35° tilt, 360° orientation within housing

**Lamp**

<table>
<thead>
<tr>
<th>Gx5.3 12V MR16 120V GU10 PAR16</th>
</tr>
</thead>
</table>

**Housing**

| E44MR16ICAT | E44PAR16ICAT |

#### Dimensions

| A | 3.63" [92mm] |
| H | 2.34" [59mm] |
| OD | 5" [127mm] |

### 1431 Conical Baffle

- Use in new construction housings
- For general illumination
- 1.0 mm thin profile provides minimal ceiling presence
- 35° tilt, 360° orientation within housing

**Lamp**

<table>
<thead>
<tr>
<th>Gx5.3 12V MR16 120V GU10 PAR16</th>
</tr>
</thead>
</table>

**Housing**

| E44MR16ICAT | E44PAR16ICAT |

#### Dimensions

| A | 3.63" [92mm] |
| H | 2.31" [59mm] |
| OD | 5" [127mm] |

### 1434 Round Pinhole

- Use in new construction housings
- For general illumination
- 1.0 mm thin profile provides minimal ceiling presence
- 35° tilt, 360° orientation within housing

**Lamp**

<table>
<thead>
<tr>
<th>Gx5.3 12V MR16 120V GU10 PAR16</th>
</tr>
</thead>
</table>

**Housing**

| E44MR16ICAT | E44PAR16ICAT |

#### Dimensions

| A | 2.5" [63mm] |
| H | 3.1" [79mm] |
| OD | 5" [127mm] |
**E44 Series - Wafer Thin Trims**

**Directional Open: 1435 • 1464 • 1465**

**1435 Round Pinhole with Oculus**

- Use in new construction housings
- For general illumination
- 1.0 mm thin profile provides minimal ceiling presence
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>6x5.3 12V MR16</th>
<th>120V GU10 PAR16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>E44MR16ICAT</td>
<td>E44PAR16ICAT</td>
</tr>
</tbody>
</table>

Lamp Options:
- 1435MWWB Matte White, White Baffle
- 1435MWBB Matte White, Black Baffle
- 1435BNBB Brushed Nickel, Black Baffle
- 1435GBBB German Bronze, Black Baffle

**Dimensions**
A: 2.3” [59mm]  
H: 3.1” [79mm]  
OD: 5” [127mm]

---

**1464 Square Pinhole**

- Use in new construction housings
- For general illumination
- 1.0 mm thin profile provides minimal ceiling presence
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>6x5.3 12V MR16</th>
<th>120V GU10 PAR16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>E44MR16ICAT</td>
<td>E44PAR16ICAT</td>
</tr>
</tbody>
</table>

Lamp Options:
- 1464MW Matte White
- 1464MB Matte Black
- 1464BN Brushed Nickel
- 1464GB German Bronze

**Dimensions**
A: 2.2” [55mm]  
H: 3.1” [79mm]  
OD: 5” [127mm]

---

**1465 Square Pinhole with Oculus**

- Use in new construction housings
- For general illumination
- 1.0 mm thin profile provides minimal ceiling presence
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>6x5.3 12V MR16</th>
<th>120V GU10 PAR16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>E44MR16ICAT</td>
<td>E44PAR16ICAT</td>
</tr>
</tbody>
</table>

Lamp Options:
- 1465MWWB Matte White, White Baffle
- 1465MWBB Matte White, Black Baffle
- 1465BNBB Brushed Nickel, Black Baffle
- 1465GBBB German Bronze, Black Baffle

**Dimensions**
A: 2” [52mm]  
H: 3.1” [79mm]  
OD: 5” [127mm]
**Directional Lens**

### 1433 Conical Reflector, Diffuse Lens

- Use in new construction housings
- For general illumination
- 1.0 mm thin profile provides minimal ceiling presence
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Gx5.3 12V MR16</th>
<th>120V GU10 PAR16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>E44MR16ICAT</td>
<td>E44PAR16ICAT</td>
</tr>
</tbody>
</table>

![1433MWWF](image) Matte White, White Flange  
![1433H](image) Haze  
![1433HWF](image) Haze, White Flange  
![1433BN](image) Brushed Nickel

**Dimensions**

- A: 3.63” [92mm]  
- H: 2.33” [59mm]  
- OD: 5” [127mm]

### 1437 Round Pinhole, Diffuse Lens

- Use in new construction housings
- For general illumination
- 1.0 mm thin profile provides minimal ceiling presence
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Gx5.3 12V MR16</th>
<th>120V GU10 PAR16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>E44MR16ICAT</td>
<td>E44PAR16ICAT</td>
</tr>
</tbody>
</table>

![1437MWWB](image) Matte White, White Baffle  
![1437MWBB](image) Matte White, Black Baffle  
![1437BNBB](image) Brushed Nickel, Black Baffle  
![1437GBBB](image) German Bronze, Black Baffle

**Dimensions**

- A: 3.63” [92mm]  
- H: 2.33” [59mm]  
- OD: 5” [127mm]

### 1467 Square Pinhole, Diffuse Lens

- Use in new construction housings
- For general illumination
- 1.0 mm thin profile provides minimal ceiling presence
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Gx5.3 12V MR16</th>
<th>120V GU10 PAR16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>E44MR16ICAT</td>
<td>E44PAR16ICAT</td>
</tr>
</tbody>
</table>

![1467MWWB](image) Matte White, White Baffle  
![1467MWBB](image) Matte White, Black Baffle  
![1467BNBB](image) Brushed Nickel, Black Baffle  
![1467GBBB](image) German Bronze, Black Baffle

**Dimensions**

- A: 2.03” [52mm]  
- H: 3.13” [79mm]  
- OD: 5” [127mm]
## E44 Series - Wafer Thin Trims

### Lens Wall Wash

**Halo Recessed Catalog - 4" Recessed Downlighting**

**Specifications, compliances and dimensions subject to change without notice**

#### 1432  Angle Cut Conical Reflector, Lens Wall Wash

- Use in new construction housings
- For general illumination
- 1.0 mm thin profile provides minimal ceiling presence
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>6x5.3 12V MR16</th>
<th>12V GU10 PAR16</th>
</tr>
</thead>
<tbody>
<tr>
<td>1432MWWF</td>
<td>Matte White, White Flange</td>
<td></td>
</tr>
<tr>
<td>1432H</td>
<td>Haze</td>
<td></td>
</tr>
<tr>
<td>1432HWF</td>
<td>Haze, White Flange</td>
<td></td>
</tr>
</tbody>
</table>

**Dimensions**

- A: 3.63" [92mm]
- H: 2.26" [58mm]
- OD: 5" [127mm]

#### 1436  Round Pinhole, Lens Wall Wash

- Use in new construction housings
- For general illumination
- 1.0 mm thin profile provides minimal ceiling presence
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>6x5.3 12V MR16</th>
<th>12V GU10 PAR16</th>
</tr>
</thead>
<tbody>
<tr>
<td>1436MWWB</td>
<td>Matte White, White Baffle</td>
<td></td>
</tr>
<tr>
<td>1436MWBB</td>
<td>Matte White, Black Baffle</td>
<td></td>
</tr>
</tbody>
</table>

**Dimensions**

- A: 2.34" [59mm]
- H: 2.29" [58mm]
- OD: 5" [127mm]

#### 1466  Square Pinhole, Lens Wall Wash

- Use in new construction housings
- For general illumination
- 1.0 mm thin profile provides minimal ceiling presence
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>6x5.3 12V MR16</th>
<th>12V GU10 PAR16</th>
</tr>
</thead>
<tbody>
<tr>
<td>1466MWWB</td>
<td>Matte White, White Baffle</td>
<td></td>
</tr>
<tr>
<td>1466MWBB</td>
<td>Matte White, Black Baffle</td>
<td></td>
</tr>
</tbody>
</table>

**Dimensions**

- A: 2.03" [52mm]
- H: 2.29" [58mm]
- OD: 5" [127mm]

---

**Specifications, compliances and dimensions subject to change without notice**

**HALO  Halo Recessed Catalog - 4" Recessed Downlighting**

173
**1440 Conical Reflector**

- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

**Lamp Gx5.3 12V MR16 120V GU10 PAR16**

<table>
<thead>
<tr>
<th>Lamp</th>
<th>1440MB</th>
<th>1440BN</th>
<th>1440GB</th>
</tr>
</thead>
<tbody>
<tr>
<td>1440MWWF</td>
<td>Matte White, White Flange</td>
<td>1440H</td>
<td>Haze</td>
</tr>
<tr>
<td>1440WBWF</td>
<td>Matte White, White Flange</td>
<td>1440HWF</td>
<td>Haze, White Flange</td>
</tr>
<tr>
<td>1440BN</td>
<td>Brushed Nickel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.

**1441 Conical Baffle**

- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

**Lamp Gx5.3 12V MR16 120V GU10 PAR16**

<table>
<thead>
<tr>
<th>Lamp</th>
<th>1441MB</th>
<th>1441BN</th>
<th>1441GB</th>
</tr>
</thead>
<tbody>
<tr>
<td>1441WBWF</td>
<td>White Baffle, White Flange</td>
<td>1441BBWF</td>
<td>Black Baffle, White Flange</td>
</tr>
<tr>
<td>1441BN</td>
<td>Brushed Nickel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1441GB</td>
<td>German Bronze</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.

**1444 Round Pinhole**

- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

**Lamp Gx5.3 12V MR16 120V GU10 PAR16**

<table>
<thead>
<tr>
<th>Lamp</th>
<th>1444MB</th>
<th>1444BN</th>
<th>1444GB</th>
</tr>
</thead>
<tbody>
<tr>
<td>1444MW</td>
<td>Matte White</td>
<td>1444MB</td>
<td>Matte Black</td>
</tr>
<tr>
<td>1444BN</td>
<td>Brushed Nickel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1444GB</td>
<td>German Bronze</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.
Directional Open

1445  Round Pinhole with Oculus

- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Gx5.3 12V MR16</th>
<th>120V GU10 PAR16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>E44MR16iCAT</td>
<td>E44PAR16iCAT</td>
</tr>
</tbody>
</table>

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.

1484  Square Pinhole

- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Gx5.3 12V MR16</th>
<th>120V GU10 PAR16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>E44MR16iCAT</td>
<td>E44PAR16iCAT</td>
</tr>
</tbody>
</table>

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.

1485  Square Pinhole with Oculus

- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Gx5.3 12V MR16</th>
<th>120V GU10 PAR16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>E44MR16iCAT</td>
<td>E44PAR16iCAT</td>
</tr>
</tbody>
</table>

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.
**4 INCH**

**E44 Series - Full Overlap Trims**

**Directional Lens**

**1443 Conical Reflector, Diffuse Lens**
- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

**Lamp Gx5.3 12V MR16 120V GU10 PAR16**

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Housing</th>
<th>Dimensions**</th>
</tr>
</thead>
<tbody>
<tr>
<td>G443MWWF Matte White, White Flange</td>
<td>E44MR16ICAT/16RICAT</td>
<td>A: 2.34” [59mm] H: 3.13” [79mm] OD: 5” [127mm]</td>
</tr>
<tr>
<td>1443H Haze</td>
<td>E44PAR16ICAT/16RICAT</td>
<td></td>
</tr>
<tr>
<td>1443HWF Haze, White Flange</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 1443BN Brushed Nickel | |}

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.

**1447 Round Pinhole, Diffuse Lens**
- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

**Lamp Gx5.3 12V MR16 120V GU10 PAR16**

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Housing</th>
<th>Dimensions**</th>
</tr>
</thead>
<tbody>
<tr>
<td>1447MWWB Matte White, White Baffle</td>
<td>E44MR16ICAT/16RICAT</td>
<td>A: 3.63” [92mm] H: 2.34” [59mm] OD: 5” [127mm]</td>
</tr>
<tr>
<td>1447MWBB Matte White, Black Baffle</td>
<td>E44PAR16ICAT/16RICAT</td>
<td></td>
</tr>
<tr>
<td>1447BNBB Brushed Nickel, Black Baffle</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 1447GBBB German Bronze, Black Baffle | |}

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.

**1449 Round “All Acrylic-Glass”, Diffuse Lens**
- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

**Lamp Gx5.3 12V MR16 120V GU10 PAR16**

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Housing</th>
<th>Dimensions**</th>
</tr>
</thead>
<tbody>
<tr>
<td>1449AAG Round, All Acrylic Glass</td>
<td>E44MR16ICAT/16RICAT</td>
<td>A: 3.27” [83mm] H: 3.21” [81mm] OD: 5.13” [130mm]</td>
</tr>
</tbody>
</table>
| E44PAR16ICAT/16RICAT | |}

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.
E44 Series - Full Overlap Trims
Directional Lens: 1487 • 1489

Directional Lens

1487 Square Pinhole, Diffuse Lens

- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

1487MWWB Matte White, White Baffle
1487MWBB Matte White, Black Baffle
1487BNBB Brushed Nickel, Black Baffle
1487GBBB German Bronze, Black Baffle

Lamp Gx5.3 12V MR16 120V GU10 PAR16
Housing E44MR16ICAT E44PAR16ICAT

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.

1489 Square “All Acrylic-Glass”, Diffuse Lens

- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

1489AAG Square, All Acrylic Glass

Lamp Gx5.3 12V MR16 120V GU10 PAR16
Housing E44MR16ICAT E44PAR16ICAT

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.

Specifications, compliances and dimensions subject to change without notice
Lens Wall Wash

### 1442 Single Cut Conical Reflector, Lens Wall Wash
- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

**Lamp**  
Gx5.3 12V MR16 120V GU10 PAR16

**Housing**  
E44MR16ICAT  
E44MR16RICAT  
E44PAR16ICAT  
E44PAR16RICAT

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.

### 1446 Round Pinhole, Lens Wall Wash
- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

**Lamp**  
Gx5.3 12V MR16 120V GU10 PAR16

**Housing**  
E44MR16ICAT  
E44MR16RICAT  
E44PAR16ICAT  
E44PAR16RICAT

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.

### 1486 Square Pinhole, Lens Wall Wash
- Use in new construction and remodeler housings
- For general illumination
- Full overlap flange style trims match the ML4 trim series
- 35° tilt, 360° orientation within housing

**Lamp**  
Gx5.3 12V MR16 120V GU10 PAR16

**Housing**  
E44MR16ICAT  
E44MR16RICAT  
E44PAR16ICAT  
E44PAR16RICAT

- The full overlap flange style trims are supplied with E26 to GU10 adapters for use with Halo H99 or compatible housings.
**E26 Screw Base IC Housing**

**H99ICAT**

4” IC, Air-Tite, Shallow New Construction Housing, 120V

The H99ICAT is an IC Air-Tite™ housing for accent, task, and general lighting. It is designed for use in insulated ceilings where it will be in direct contact with insulation*. Air-Tite™ housing designed to restrict air flow between conditioned spaces and unconditioned areas. May be retrofit with compatible Halo LED lighting systems.

### Features

**Housing**
- Outer Housing: aluminum construction helps dissipate heat
- Inner Housing: double wall aluminum construction helps dissipate heat
- The inner housing can be removed from plaster frame to provide access to the junction box
- For insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
- Inner housing adjusts for ceilings up to 1” thick

**Plaster Frame**
- Galvanized steel die-formed construction
- Plaster frame features include:
  - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Air-Tite aperture gasket is pre-installed
  - Halo identity embossed on plaster frame

**Includes:**
- Got Nail™ bar hangers (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Slide-N-Side™ junction box wire traps (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)
- Air-Tite™ code compliant (Details Pg. 11)

**Socket**
Fixed position porcelain socket with nickel plated brass screw shell provides consistent lamp positioning

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types

### Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- RoHS compliant
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.

*Not to be used in direct contact with spray foam insulation (consult NEMA LSD57-2013)

---

**Special Features**

- Got Nail™ bar hangers
- Pass-N-Thru™ bars
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Compatible Trims**

<table>
<thead>
<tr>
<th>945</th>
<th>951</th>
<th>952</th>
<th>998</th>
<th>4002</th>
<th>4013</th>
</tr>
</thead>
<tbody>
<tr>
<td>953</td>
<td>993</td>
<td>996</td>
<td>4003</td>
<td>4001</td>
<td>4010</td>
</tr>
</tbody>
</table>

---

**E26 Screw Base IC Housing**

**H99ICAT**

4” IC, Air-Tite, Shallow New Construction Housing, 120V

The H99ICAT is an IC Air-Tite™ housing for accent, task, and general lighting. It is designed for use in insulated ceilings where it will be in direct contact with insulation*. Air-Tite™ housing designed to restrict air flow between conditioned spaces and unconditioned areas. May be retrofit with compatible Halo LED lighting systems.

### Features

**Housing**
- Outer Housing: aluminum construction helps dissipate heat
- Inner Housing: double wall aluminum construction helps dissipate heat
- The inner housing can be removed from plaster frame to provide access to the junction box
- For insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
- Inner housing adjusts for ceilings up to 1” thick

**Plaster Frame**
- Galvanized steel die-formed construction
- Plaster frame features include:
  - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Air-Tite aperture gasket is pre-installed
  - Halo identity embossed on plaster frame

**Includes:**
- Got Nail™ bar hangers (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Slide-N-Side™ junction box wire traps (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)
- Air-Tite™ code compliant (Details Pg. 11)

**Socket**
Fixed position porcelain socket with nickel plated brass screw shell provides consistent lamp positioning

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types

### Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- RoHS compliant
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.

*Not to be used in direct contact with spray foam insulation (consult NEMA LSD57-2013)

---

**Special Features**

- Got Nail™ bar hangers
- Pass-N-Thru™ bars
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Compatible Trims**

<table>
<thead>
<tr>
<th>945</th>
<th>951</th>
<th>952</th>
<th>998</th>
<th>4002</th>
<th>4013</th>
</tr>
</thead>
<tbody>
<tr>
<td>953</td>
<td>993</td>
<td>996</td>
<td>4003</td>
<td>4001</td>
<td>4010</td>
</tr>
</tbody>
</table>

---

**E26 Screw Base IC Housing**

**H99ICAT**

4” IC, Air-Tite, Shallow New Construction Housing, 120V

The H99ICAT is an IC Air-Tite™ housing for accent, task, and general lighting. It is designed for use in insulated ceilings where it will be in direct contact with insulation*. Air-Tite™ housing designed to restrict air flow between conditioned spaces and unconditioned areas. May be retrofit with compatible Halo LED lighting systems.

### Features

**Housing**
- Outer Housing: aluminum construction helps dissipate heat
- Inner Housing: double wall aluminum construction helps dissipate heat
- The inner housing can be removed from plaster frame to provide access to the junction box
- For insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
- Inner housing adjusts for ceilings up to 1” thick

**Plaster Frame**
- Galvanized steel die-formed construction
- Plaster frame features include:
  - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Air-Tite aperture gasket is pre-installed
  - Halo identity embossed on plaster frame

**Includes:**
- Got Nail™ bar hangers (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Slide-N-Side™ junction box wire traps (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)
- Air-Tite™ code compliant (Details Pg. 11)

**Socket**
Fixed position porcelain socket with nickel plated brass screw shell provides consistent lamp positioning

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types

### Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- RoHS compliant
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.

*Not to be used in direct contact with spray foam insulation (consult NEMA LSD57-2013)

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**Special Features**

- Got Nail™ bar hangers
- Pass-N-Thru™ bars
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Compatible Trims**

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<thead>
<tr>
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</table>
E4ICATSB
4" IC, Air-Tite, Shallow New Construction Housing, 120V

The E4ICATSB is an IC Air-Tite™ housing optimized and listed for EISA compliant tungsten-halogen lamps, CFL and LED lamps as well as incandescent. Housing features an adjustable socket bracket, and is suitable for residential or commercial applications. Installation in insulated ceilings* and non-insulated ceilings with Air-Tite code compliant construction. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
- Outer Housing: aluminum construction
- Inner Housing: double wall aluminum construction helps dissipate heat
- The inner housing can be removed from the plaster frame to provide access to the junction box
- For insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
- Inner housing adjusts for ceilings up to 1" thick

Plaster Frame
- Plaster frame includes locking screw for hanger bars and cutouts for crimping hanger bars in position
- Air-Tite gasket is pre-installed

Junction Box
- Positioned to accommodate straight conduit runs
- Seven conduit knockouts are uniform 1/2" size with true pry-out slots
- Four pry-outs with integral strain relief simplify non-metallic (NM) sheathed cable installation
- Three quick connect wire connectors included

Includes:
- All-Nail™ bar hangers (Details Pg. 15)
- Quick Connect™ push wire nuts (Details Pg. 11)
- Air-Tite™ code compliant (Details Pg. 11)

Socket
Adjustable position bracket with porcelain socket and nickel plated brass screw shell provides flexibility in lamp positioning

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types

Special Features

Compatible Trims

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<tbody>
<tr>
<td>All-Nail™ bar hangers</td>
<td>Quick Connect™ push wire nuts</td>
<td>Air-Tite™ code compliant</td>
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<td>4003</td>
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Compliance

- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- RoHS compliant
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential

*Not to be used in direct contact with spray foam insulation (consult NEMA LSD57-2013)
Specifications, compliances and dimensions subject to change without notice

**4 INCH**

**E26 Screw Base Trims**

**Housings: H99ICAT • E4ICATSB**

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**Reflectors**

**999 Precision Metal Reflector**

- Precision die cast metal trim ring with metal reflector
- For general down lighting
- Friction clip retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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</thead>
<tbody>
<tr>
<td>H99ICAT</td>
<td>40W A19, 50W PAR20, 40W R16, 50W R20</td>
</tr>
<tr>
<td>E4ICATSB</td>
<td>40W A19, 50W PAR20, 40W R16, 30 W20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**4003 Reflector**

- Specular clear reflector
- Formed metal trim ring
- Friction clip retention

<table>
<thead>
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<th>Housings</th>
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</thead>
<tbody>
<tr>
<td>H99ICAT</td>
<td>40W A19, 35W PAR20, 50W PAR20, 40W R16, 50W R20</td>
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<tr>
<td>E4ICATSB</td>
<td>40W A19, 35W PAR20, 30W R20, 40W R16</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**Baffles**

**953 Precision Metal Baffle**

- Precision die cast metal trim ring with metal baffle
- For general down lighting
- Friction clip retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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</thead>
<tbody>
<tr>
<td>H99ICAT</td>
<td>35W PAR20, 30W R20, 50W PAR20 with H1999 Socket Extender</td>
</tr>
<tr>
<td>E4ICATSB</td>
<td>50W PAR20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**993 Coilex® Baffle**

- Coilex® phenolic baffle
- Precision die cast metal trim ring
- For general down lighting
- Friction clip retention

<table>
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</thead>
<tbody>
<tr>
<td>H99ICAT</td>
<td>35W PAR20, 30W R20, 50W PAR20, 50W R20 with H1999 Socket Extender</td>
</tr>
<tr>
<td>E4ICATSB</td>
<td>35W PAR20, 30W R20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**
- A: Luminous Aperture
- H: Height
- OD: Trim Outside Diameter
**E26 Screw Base Trims**

**IC Housings: H99ICAT • E4ICATSB**

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### 4001 Plastic Baffle

- Step plastic baffle
- Formed metal trim ring
- Friction clip retention

<table>
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<tbody>
<tr>
<td>H99ICAT</td>
<td>35W PAR20, 50W R20, (50W PAR20, 50W R20 with H1999 Socket Extender)</td>
</tr>
<tr>
<td>E4ICATSB</td>
<td>35W PAR20, 30W R20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### 4010 Metal Baffle

- Metal baffle
- Formed metal trim ring
- Friction clip retention

<table>
<thead>
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<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H99ICAT</td>
<td>35W PAR20, 30W R20, (50W PAR20 with H1999 Socket Extender)</td>
</tr>
<tr>
<td>E4ICATSB</td>
<td>50W PAR20, 30W R20, 35W PAR20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### 4013 Full Cone Metal Baffle, Self-flange

- Self-flange metal baffle
- Friction clip retention
- For use with H99 series housings only

<table>
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<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H99ICAT</td>
<td>40W A19, 50W R20, 4013WB: 40W A19, 50W R20, 50W PAR20</td>
</tr>
<tr>
<td>E4ICATSB</td>
<td>40W A19, 50W R20, 4013WB: 40W A19, 50W R20, 50W PAR20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### Adjustable – Eyeballs & Gimbals

#### 996 Adjustable Eyeball – 15° Tilt

- Adjustable eyeball for use with PAR20 lamps only
- 15° tilt, 360° rotation
- Precision die metal cast trim ring
- Friction clip retention

<table>
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</thead>
<tbody>
<tr>
<td>H99ICAT</td>
<td>50W PAR20</td>
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<tr>
<td>E4ICATSB</td>
<td>50W PAR20</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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#### 998 Adjustable Eyeball – 30° Tilt

- Adjustable eyeball for PAR16 and R16 lamps only
- 30° tilt, 360° rotation
- Precision die metal cast trim ring
- Friction clip retention

<table>
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<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H99ICAT</td>
<td>40W R16</td>
</tr>
<tr>
<td>E4ICATSB</td>
<td>40W R16, 45W PAR16</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**Dimensions**

**H: 1-1/8” [28mm]**

**OD: 5” [129mm]**

**H: 2-5/8” [67mm]**

**OD: 5” [129mm]**

**H: 4-1/2” [114mm]**

**OD: 5” [129mm]**

**A: 2-3/4” [94mm]**

**H: 3-1/2” [88mm]**

**OD: 5” [129mm]**

**A: 2-1/4” [56mm]**

**H: 3-1/4” [83mm]**

**OD: 5” [129mm]**

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**

- **A:** Luminous Aperture
- **H:** Height
- **OD:** Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
**4 INCH**

## E26 Screw Base Trims

**IC Housings: H99ICAT \* E4ICATSB**

### 4002 White Eyeball – 30° Tilt

- Adjustable eyeball for R16 and PAR16 lamps only
- Formed metal trim ring
- Friction clip retention

#### Housings Max Lamp Compatibility

<table>
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<tr>
<th>Housing</th>
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</tr>
</thead>
<tbody>
<tr>
<td>H99ICAT</td>
<td>40W R16</td>
</tr>
<tr>
<td>E4ICATSB</td>
<td>40W R16, 45W PAR16</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Lenses & Wet Location Showerlights

#### 951 Prismatic Glass Lens with Full Cone Reflector

- Wet location listed for use as Showerlight
- Non-conductive, non-corrosive polymer trim
- Prismatic glass lens
- Full reflector for greatest light distribution
- Friction clip retention
- For use with H99 series housings only
- Shower trim front is non-electrically conductive "dead-front"

#### Housings Max Lamp Compatibility

<table>
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<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
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</thead>
<tbody>
<tr>
<td>H99ICAT</td>
<td>35W PAR20, 30W R20, (50W PAR20 with H1999 Socket Extender)</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### Accessory - H1999 (H99ICAT Only)

- Socket Extender

#### Dimensions**

- A: 2-1/8” [54mm]
- OD: 5” [129mm]

#### 952 Frosted Dome Lens with Cut-Cone Reflector

- Wet location listed for use as Showerlight
- Frosted glass dome shower light
- High wall coverage in showers and baths from dome lens
- Friction clip retention
- Shower trim front is non-electrically conductive "dead-front"

#### Housings Max Lamp Compatibility

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<tbody>
<tr>
<td>H99ICAT</td>
<td>35W PAR20, 30W R20, (50W PAR20 with H1999 Socket Extender)</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### Accessory - H1999 (H99ICAT Only)

- Socket Extender

#### Dimensions**

- H: 2-5/8” [66mm]
- OD: 5” [129mm]

#### 4055 Prismatic Glass Lens with Cut-Cone Reflector

- Wet location listed for use as Showerlight
- Prismatic glass lens
- Friction clip retention
- Shower trim front is non-electrically conductive "dead-front"

#### Housings Max Lamp Compatibility

<table>
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<th>Housing</th>
<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H99ICAT</td>
<td>30W R20, 35W PAR20</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 945 Metropolitan Ice Light

- Frosted glass trim in natural or blue
- For general down lighting
- Friction clip retention

#### Housings Max Lamp Compatibility

<table>
<thead>
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<th>Housing</th>
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</thead>
<tbody>
<tr>
<td>H99ICAT</td>
<td>30W R20, 35W PAR20</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warrant the lamp.  
**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
### H99TAT

**4" Non-IC, Air-Tite, Shallow New Construction Housing, 120V**

The H99TAT is a Non-IC Air-Tite™ housing for providing accent, task, and general lighting. The H99T is designed for use in non-insulated ceiling but if insulation is present it MUST be kept 3" from all sides of the housing. Non-IC housing is Air-Tite™ code compliant. May be retrofit with compatible Halo LED lighting systems.

#### Features

- **Housing**
  - Formed of CRS with white powder coat finish.
  - Housing adjusts for ceilings up to 1" thick

- **Plaster Frame**
  - Galvanized steel construction. The housing can be removed from plaster frame to provide access to the junction box.
  - Plaster frame features include:
    - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
    - Cutouts for easily crimping hanger bars in position
    - Halo name embossed on plaster frame

- **Includes:**
  - Got Nail!™ bar hangers (Details Pg. 11)
  - Pass-N-Thru™ bars (Details Pg. 11)
  - Slide-N-Side™ junction box wire traps (Details Pg. 11)
  - Quick Connect™ push wire nuts (Details Pg. 11)
  - Air-Tite™ code compliant (Details Pg. 11)

- **Socket**
  - Fixed position porcelain socket with nickel plated brass screw shell provides consistent lamp positioning

- **Thermal Protector**
  - Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

- **Trims**
  - Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

#### Special Features

- Got Nail!™ bar hangers
- Pass-N-Thru™ bars
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

#### Compatible Trims

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#### Compliance

- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- RoHS compliant
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- IP rated (Improper Lamp)
H99RTAT

4" Non-IC, Shallow Remodel Housing, 120V

The H99RTAT is a Non-IC Air-Tite™ housing for providing accent, task, and general lighting. The H99RTAT is designed for use in non-insulated existing ceilings. Non-IC housing is Air-Tite™ code compliant. If insulation is present it must be kept 3 inches away from all sides of housing. For installation from below the ceiling. May be retrofit with compatible Halo LED lighting systems.

**Features**

**Housing**
- Formed of CRS with white powder coat finish
- For installation from below the finished ceiling

**Remodel Clips**
- Four remodel clips secure housing and accommodates 1/2” and 5/8” ceiling materials

**Junction Box**
- Seven 1/2” trade size conduit knockouts with true pry-out slots
- Four pry-outs with integral strain relief for non-metallic (NM) sheathed cable

**Includes:**
- Quick Connect™ push wire nuts (Details Pg. 11)
- Air-Tite™ code compliant (Details Pg. 11)

**Socket**
Fixed position porcelain socket with nickel plated brass screw shell provides consistent lamp positioning

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant
- IP rated (Improper Lamp)

**Special Features**
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Compatible Trims**

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<tr>
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<td>992</td>
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</tbody>
</table>

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant
- IP rated (Improper Lamp)
E4TATSB
4" Non-IC, Air-Tite, Shallow New Construction Housing, 120V

The E4TATSB is a Non-IC Air-Tite™ housing optimized and listed for EISA compliant tungsten-halogen lamps, CFL and LED lamps, as well as incandescent. Housing features an adjustable socket bracket, and is suitable for residential or commercial applications. Installation in non-insulated ceilings with Air-Tite code compliant construction. If insulation is present it must be kept 3" from all sides of the housing. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
• Die-formed CRS with gray powder coat finish

Junction Box
• Seven conduit knockouts are uniform 1/2" size with true pry-out slots
• Four pry-outs with integral strain relief simplify non-metallic (NM) sheathed cable installation
• Three quick connect wire connectors included

Plaster Frame
• Housing is secured in plaster frame with spring barbs
• The housing can be removed from the plaster frame to provide access to the junction box

Includes:
• All-Nail™ bar hangers (Details Pg. 15)
• Quick Connect™ push wire nuts (Details Pg. 11)
• Air-Tite™ code compliant (Details Pg. 11)

Socket
Adjustable position bracket with porcelain socket and nickel plated brass screw shell provides flexibility in lamp positioning

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Special Features
All-Nail™ bar hangers
Quick Connect™ push wire nuts
Air-Tite™ code compliant

Compatible Trims
| 945 | 992 | 996 | 999 | 4002 | 4010 |
| 953 | 993 | 998 | 4001 | 4003 | 4055 |
| 990 |     |     |     |      |      |

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types

Compliance
• cULus Listed 1598 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• RoHS compliant
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
**4" Non-IC, Air-Tite, Shallow Remodel Housing, 120V**

The E4RTATSB is a remodel Non-IC Air-Tite™ housing optimized and listed for EISA compliant tungsten-halogen lamps, CFL and LED lamps as well as incandescent. Housing features an adjustable socket bracket, and is suitable for residential or commercial applications. Installation in non-insulated ceilings with Air-Tite code compliant construction. If insulation is present it must be kept 3" from all sides of the housing. May be retrofit with compatible Halo LED lighting systems.

**Features**

**Housing**
- Die-formed CRS with gray powder coat finish
- For installation from below the finished ceiling

**Remodel Clips**
Four remodel clips secure housing and accommodates 1/2” and 5/8” ceiling materials

**Junction Box**
- Seven conduit knockouts are uniform 1/2” size with true pry-out slots
- Four pry-outs with integral strain relief simplify non-metallic (NM) sheathed cable installation
- Three quick connect wire connectors included

**Includes:**
- Quick Connect™ push wire nuts (Details Pg. 11)
- Air-Tite™ code compliant (Details Pg. 11)

**Socket**
Adjustable position porcelain socket with nickel plated brass screw shell provides flexibility in lamp positioning

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Special Features**
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Compatible Trims**

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<tr>
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<td>4003</td>
<td>4055</td>
<td></td>
</tr>
<tr>
<td>953</td>
<td>993</td>
<td>4001</td>
<td></td>
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</tr>
</tbody>
</table>

**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed for damp location
- cULus Listed for wet location, with select trims
- RoHS compliant
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential


**Reflectors**

**999 Precision Metal Reflector**

- Precision die cast metal trim ring with metal reflector
- For general down lighting
- Friction clip retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H99TAT</td>
<td>40W R16, 50W R20, 50W PAR20</td>
</tr>
<tr>
<td>H99RTAT</td>
<td>40W R16, 50W R20</td>
</tr>
<tr>
<td>E4TATSB</td>
<td>40W R16, 50W R20</td>
</tr>
<tr>
<td>E4RTATSB</td>
<td>40W R16, 50W R20, 50W PAR20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**999MB** Specular Black Reflector, White Trim

**999RG** Residential Gold Reflector, White Trim

**999P** Specular Clear Reflector, White Trim

**999W** White Reflector, White Trim

**999H** Haze Reflector, White Trim

**999SN** Satin Nickel Reflector, Satin Nickel Trim

**999TBZ** Tuscan Bronze Reflector, Tuscan Bronze Trim

**Dimensions**

H: 2-5/8" [67mm]
OD: 5" [129mm]

**Baffles**

**953 Precision Metal Baffle**

- Precision die cast metal trim ring with metal baffle
- For general down lighting
- Friction clip retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H99TAT</td>
<td>50W PAR20, 40W R16, 50W R20</td>
</tr>
<tr>
<td>H99RTAT</td>
<td>40W R16, 50W R20</td>
</tr>
<tr>
<td>E4TATSB</td>
<td>40W R16, 50W R20</td>
</tr>
<tr>
<td>E4RTATSB</td>
<td>50W PAR20, 40W R16, 50W R20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**953W** White Baffle, White Trim

**953P** Black Baffle, White Trim

**953SN** Satin Nickel Baffle, Satin Nickel Trim

**953TBZ** Tuscan Bronze Baffle, Tuscan Bronze Trim

**Dimensions**

H: 2-1/2" [63mm]
OD: 5" [127mm]

**990 Pinhole Trim**

- Precision die cast metal trim ring
- Pinhole aperture for accent lighting
- Friction clip retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H99TAT</td>
<td>40W A19, 50W PAR20, 40W R16, 50W R20</td>
</tr>
<tr>
<td>H99RTAT</td>
<td>40W R16, 50W R20</td>
</tr>
<tr>
<td>E4TATSB</td>
<td>40W A19, 50W PAR20, 40W R16, 50W R20</td>
</tr>
<tr>
<td>E4RTATSB</td>
<td>40W A19, 50W PAR20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**990P** White Pinhole Trim

**990SN** Satin Nickel Pinhole Trim

**990TBZ** Tuscan Bronze Pinhole Trim

**Dimensions**

H: 1-3/4" [44mm]
OD: 5" [129mm]

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice

HALO Halo Recessed Catalog - 4” Recessed Downlighting 189
992 Wall Wash with Coilex® Baffle

- Eyelid wall wash
- Coilex® phenolic baffle
- Precision die metal cast trim ring
- 360° rotation in housing allows trim to be aimed at wall
- Friction clip retention

**Specifications, compliances and dimensions subject to change without notice**

**HALO**

Halo Recessed Catalog - 4" Recessed Downlighting

E26 Screw Base Trims

Non-IC Housings: H99TAT • H99RTAT • E4TATSB • E4RTATSB

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H99TAT</td>
<td>40W A19, 40W R16, 50W R20</td>
</tr>
<tr>
<td>H99RTAT</td>
<td>40W A19, 50W PAR20, 40W R16, 50W R20</td>
</tr>
<tr>
<td>E4TATSB</td>
<td>40W A19, 50W PAR20</td>
</tr>
<tr>
<td>E4RTATSB</td>
<td>50W PAR20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

993 Coilex® Baffle

- Precision die cast metal trim ring with Coilex® phenolic baffle
- For general down lighting
- Friction clip retention

**Specifications, compliances and dimensions subject to change without notice**

**HALO**

Halo Recessed Catalog - 4" Recessed Downlighting

E26 Screw Base Trims

Non-IC Housings: H99TAT • H99RTAT • E4TATSB • E4RTATSB

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H99TAT</td>
<td>50W PAR20, 40W R16, 50W R20</td>
</tr>
<tr>
<td>H99RTAT</td>
<td>40W A19, 50W PAR20, 40W R16, 50W R20</td>
</tr>
<tr>
<td>E4TATSB</td>
<td>50W PAR20, 40W R16, 50W R20</td>
</tr>
<tr>
<td>E4RTATSB</td>
<td>50W PAR20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

4001 Plastic Baffle

- Step plastic baffle
- Formed metal trim ring
- Friction clip retention

**Specifications, compliances and dimensions subject to change without notice**

**HALO**

Halo Recessed Catalog - 4" Recessed Downlighting

E26 Screw Base Trims

Non-IC Housings: H99TAT • H99RTAT • E4TATSB • E4RTATSB

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H99TAT</td>
<td>50W PAR20, 50W R20</td>
</tr>
<tr>
<td>H99RTAT</td>
<td>50W PAR20, 40W R16, 50W R20</td>
</tr>
<tr>
<td>E4TATSB</td>
<td>50W PAR20, 40W R16, 50W R20</td>
</tr>
<tr>
<td>E4RTATSB</td>
<td>50W PAR20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

4010 Metal Baffle

- Metal baffle
- Friction clip retention
- Formed metal trim ring

**Specifications, compliances and dimensions subject to change without notice**

**HALO**

Halo Recessed Catalog - 4" Recessed Downlighting

E26 Screw Base Trims

Non-IC Housings: H99TAT • H99RTAT • E4TATSB • E4RTATSB

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>E4TATSB</td>
<td>50W PAR20, 40W R16, 50W R20</td>
</tr>
<tr>
<td>E4RTATSB</td>
<td>50W PAR20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter**

**Specifications, compliances and dimensions subject to change without notice**
### 4013 Full Cone Metal Baffle, Self-flange

- Self-flange metal baffle
- Friction clip retention
- For use with H93 series housings only

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H99TAT</td>
<td>4013WB: 40W A19, 50W PAR20, 50W R20</td>
</tr>
<tr>
<td>H99RTAT</td>
<td>4013BB: 50W PAR20, 45W R20</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Adjustable – Eyeballs & Gimbals

#### 996 Adjustable Eyeball – 15° Tilt

- Adjustable eyeball for use with PAR20 lamps only
- 15° tilt, 360° rotation
- Precision die metal cast trim ring
- Friction clip retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H99TAT</td>
<td>50W PAR20</td>
</tr>
<tr>
<td>E4TATSB</td>
<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 998 Adjustable Eyeball – 30° Tilt

- Adjustable eyeball for PAR16 and R16 lamps only
- 30° tilt, 360° rotation
- Precision die metal cast trim ring
- Friction clip retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H99RTAT</td>
<td>40W R16, 60W PAR16</td>
</tr>
<tr>
<td>E4TATSB</td>
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</tr>
<tr>
<td>E4RTATSB</td>
<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 4002 White Eyeball – 30° Tilt

- Formed metal trim ring
- Adjustable eyeball trim for R16 and PAR16 lamps only
- Friction clip retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H99TAT</td>
<td>45W PAR16, 40W R16</td>
</tr>
<tr>
<td>H99RTAT</td>
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</tr>
<tr>
<td>E4TATSB</td>
<td></td>
</tr>
<tr>
<td>E4RTATSB</td>
<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
**Lenses & Wet Location Showerlights**

### 951 Prismatic Glass Lens with Full Cone Reflector
- Wet location listed for use as Showerlight
- Non-conductive, non-corrosive polymer trim
- Prismatic glass lens
- Full reflector for greatest light distribution
- Friction clip retention
- For use with H99 series housings only
- Shower trim front is non-electrically conductive “dead-front”

**Housings Max Lamp Compatibility**
- H99TAT 40W A19, 50W R20, 50W PAR20
- H99RTAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- H: 4-1/2” [114mm]
- OD: 5” [129mm]

### 952 Frosted Dome Lens with Cut-Cone Reflector
- Frosted glass dome Showerlight
- Wet location listed
- Non conductive, non corrosive polymer trim ring
- High wall coverage in showers and baths from dome lens
- Friction clip retention
- Shower trim front is non-electrically conductive “dead-front”

**Housings Max Lamp Compatibility**
- H99TAT 40W A19, 50W R20, 50W PAR20
- H99RTAT
- E4TATSB
- E4RTATSB

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- H: 2-5/8” [66mm]
- OD: 5” [129mm]

### 4055 Prismatic Glass Lens with Cut-Cone Reflector
- Lens wet location trim
- Friction clip retention
- Shower trim front is non-electrically conductive “dead-front”

**Housings Max Lamp Compatibility**
- H99TAT 40W A19, 50W R20, 50W PAR20
- H99RTAT
- E4TATSB
- E4RTATSB

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- H: 2-5/8” [67mm]
- OD: 5” [129mm]

### 945 Metropolitan Ice Light
- Frosted glass trim in natural or blue
- For general down lighting
- Friction clip retention

**Housings Max Lamp Compatibility**
- H99TAT 50W PAR20, 50W R20
- H99RTAT
- E4TATSB
- E4RTATSB 50W PAR20

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- H: 2-1/8” [54mm]
- OD: 5” [129mm]

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
**H1499ICAT**

4\" IC, Air-Tite, New Construction, 120V – 12V Low Voltage, MR16

H1499ICAT housing features an integral low voltage magnetic transformer that supplies 12 volts to MR16 lamps. The H1499ICAT is for installations where the housing will be in direct contact with insulation*. Air-Tite™ housing designed to restrict air flow between conditioned spaces and unconditioned areas.

### Features

**Housing**
- Double wall aluminum construction for greater heat dissipation
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)

**Plaster Frame**
- Galvanized steel die-formed construction
- The inner housing can be removed from plaster frame to provide access to the junction box
- Plaster frame features include:
  - Regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Air-Tite aperture gasket is pre-installed
  - Halo identity embossed on plaster frame

### Includes:
- Got Nail!” bar hangers (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Slide-N-Side™ junction box wire traps (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)
- Air-Tite™ code compliant (Details Pg. 11)

**Socket**
GU5.3 socket with reflector plate for bi-pin 12V MR16 lamps

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping

**Transformer**
Integral 120V magnetic transformer steps line voltage down to 12V lamp operating voltage. For MR16 lamps up to 50W.

### Compatibility

<table>
<thead>
<tr>
<th>Trims</th>
<th>1419</th>
<th>1421</th>
<th>1493</th>
<th>1496</th>
<th>1498</th>
<th>1946</th>
<th>1947</th>
<th>1945</th>
<th>1951</th>
</tr>
</thead>
</table>

### Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation* and combustible material
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential

*Not to be used in direct contact with spray foam insulation (consult NEMA LSD57-2013)
**H1499TAT**

4" Non-IC, Air-Tite, Shallow New Construction, 120 – 12V Low Voltage, MR16

H1499TAT is a Non-IC Air-Tite™ housing with an integral low voltage magnetic transformer that supplies 12 volts to MR16 lamps. The H1499TAT is designed for use in non-insulated ceilings. If insulation is present it must be kept 3 inches away from all sides of housing. Non-IC housing is Air-Tite™ to meet restricted airflow code requirements.

### Features

**Housing**
- Formed of CRS with white powder coat finish

**Plaster Frame**
- Galvanized steel die-formed construction
- The housing can be removed from plaster frame to provide access to the junction box
- Plaster frame features include:
  - Regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Halo identity embossed on plaster frame

**Includes:**
- Got Nail™ bar hangers (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Slide-N-Side™ junction box (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)
- Air-Tite™ code compliant (Details Pg. 11)

**Socket**
- GU5.3 socket with reflector plate for bi-pin 12V MR16 lamps

**Transformer**
- Integral 120V magnetic transformer steps line voltage down to 12V lamp operating voltage. For MR16 lamps up to 50W.

**Thermal Protector**
- Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- IP rated (Improper Lamp)

### Special Features

- Got Nail™ bar hangers
- Pass-N-Thru™ bars
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

### Compatible Trims

<table>
<thead>
<tr>
<th>Model</th>
<th>1419</th>
<th>1421</th>
<th>1430</th>
<th>1496</th>
<th>1498</th>
<th>1946</th>
</tr>
</thead>
<tbody>
<tr>
<td>1420</td>
<td>1453</td>
<td>1495</td>
<td>1497</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
H1499TCP

4" Non-IC, New Construction, 120V/277V – 12V Low Voltage, MR16, Chicago Plenum

H1499TCP is a Non-IC housing designed for non-insulated Chicago Plenum rated ceilings. H1499TCP features an integral low voltage dual-tap 120V/277V transformer that supplies 12 volts to MR16 lamps. H1499TCP is for non-insulated ceilings. If installed in insulated ceilings, insulation must be kept 3 inches away from all sides of housing.

Features

**Housing**
Formed of CRS with white powder coat finish

**Plaster Frame**
- Galvanized steel die-formed construction
- The housing can be removed from plaster frame to provide access to the junction box
- Plaster frame features include:
  - Regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Halo identity embossed on plaster frame

**Junction Box:**
- Positioned to accommodate straight conduit runs
- Six 1/2" trade size conduit knockouts
- Gasketed junction box per Chicago Plenum standards

**Includes:**
- Got Nail™ bar hangers (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)
- Chicago Plenum

**Transformer**
Integral 120/277V dual-tap magnetic transformer steps line voltage down to 12V nominal lamp operating voltage. Rated for 50W max. Housing ships as 277V model with 120V transformer wire lead capped. For use in 120V systems, simply cap the 277V wire lead and use 120V lead (refer to wiring diagram).

**Socket**
GU5.3 socket with reflector plate for bi-pin 12V MR16 lamps

**Special Features**

- Got Nail™ bar hangers
- Pass-N-Thru™ bars
- Quick Connect™ push wire nuts

**Compatible Trims**
1419 1421 1420 1421 1493 1496 1497 1945 1951

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping

**Compliance**
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- City of Chicago Plenum

Specifications, compliances and dimensions subject to change without notice
H1499RTAT

4” Non-IC, Shallow Remodel 120V – 12V Low Voltage, MR16

H1499RTAT is a Non-IC Air-Tite™ remodel housing with an integral low voltage magnetic transformer that supplies 12 volts to MR16 lamps. The H1499RTAT is designed for use in non-insulated existing ceilings. If insulation is present it must be kept 3 inches away from all sides of housing. For installation from below the ceiling. Non-IC housing is Air-Tite™ to meet restricted air flow requirements.

Features

Housing
Formed of CRS with white powder coat finish

Remodel Clips
Four remodel clips secure housing and accommodates 1/2” and 5/8” ceiling materials

Junction Box
• Seven 1/2” trade size conduit knockouts with true pry-out slots
• Four pry-outs with integral strain relief for non-metallic (NM) sheathed cable

Includes:
• Quick Connect™ push wire nuts (Details Pg. 11)
• Air-Tite™ code compliant (Details Pg. 11)

Socket
GU5.3 socket with reflector plate for bi-pin 12V MR16 lamps

Transformer
Integral 120V magnetic transformer steps line voltage down to 12V nominal lamp operating voltage. For MR16 lamps up to 50W.

Support Spring
Support spring helps support weight of junction box and transformer. Automatically adjusts for different ceiling materials.

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Compliance
• cULus Listed 1598 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
H1499T75

4" Non-IC, New Construction, 120V/277V – 12V Low Voltage, MR16

H1499T75 is a low voltage housing for providing accent, task, and general lighting with up to 75W 12V MR16 lamps. The H1499T75 features a dual-tap transformer for 120V or 277V input. H1499T75 is for non-insulated ceilings. If installed in insulated ceilings, insulation must be kept 3 inches away from all sides of housing.

Features

Housing
- Formed of CRS with white powder coat finish

Plaster Frame
- Galvanized steel construction
- The housing can be removed from plaster frame to provide access to the junction box
- Plaster frame features include:
  - Regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Halo name embossed on plaster frame

Includes:
- Got Nail!™ bar hangers (Details Pg. 11)
- Pass-N-Thru™ bars (Details Pg. 11)
- Slide-N-Side™ junction box wire traps (Details Pg. 11)
- Quick Connect™ push wire nuts (Details Pg. 11)

Transformer
- Integral 120/277V dual-tap magnetic transformer steps line voltage down to 12V nominal lamp operating voltage. Rated for 50W max. Housing ships as 277V model with 120V transformer wire lead capped. For use in 120V systems, simply cap the 277V wire lead and use 120V lead (refer to wiring diagram).

Socket
- GU5.3 socket with reflector plate for bi-pin 12V MR16 lamps

Thermal Protector
- Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping

Compliance
- cULus Listed 1598 luminaire
- cULus Listed for damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- IP Rated (Improper Lamp)

Reflectors

1421 Precision Reflector – 35° Tilt
- Precision die cast metal trim ring with spun reflector cone
- Provides general illumination
- 35° Tilt
- Friction clip "cat paw" retention
- Clear cover glass included with each trim, for use with non-cover glass MR16 lamps

Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1499TAT</td>
<td>50W 12V MR16</td>
</tr>
<tr>
<td>H1499RTAT</td>
<td>50W 12V MR16</td>
</tr>
<tr>
<td>H1499ICAT</td>
<td>75W 12V MR16</td>
</tr>
<tr>
<td>H1499T75</td>
<td>75W 12V MR16</td>
</tr>
</tbody>
</table>

Specifications, compliances and dimensions subject to change without notice
**Baffles**

**1493 Coilex® Baffle – 35° Tilt**
- Precision die cast metal trim ring
- Coilex® phenolic baffle
- Provides general illumination
- 35° tilt
- Friction clip “cat paw” retention
- Clear cover glass included with each trim, for use with non-cover glass MR16 lamps

**Housings**
- H1499TAT 50W 12V MR16
- H1499ICAT 75W 12V MR16

**Max Lamp Compatibility**
- H1499TAT
- H1499RTAT
- H1499ICAT
- H1499TCP
- H1499T75

**Dimensions**
- H: 1-3/8” [33mm]
- OD: 5” [129mm]

**1453 Precision Metal Baffle – 35° Tilt**
- Precision die cast metal trim ring with matching finish metal baffle
- Provides general illumination
- 35° tilt
- Friction clip “cat paw” retention
- Clear cover glass included with each trim, for use with non-cover glass MR16 lamps

**Housings**
- H1499TAT 50W 12V MR16
- H1499ICAT 75W 12V MR16

**Max Lamp Compatibility**
- H1499TAT
- H1499RTAT
- H1499ICAT
- H1499TCP
- H1499T75

**Dimensions**
- H: 1-1/4” [30mm]
- OD: 5” [129mm]

**1419 Pinhole Baffle**
- 1-7/8” pinhole opening
- Precision die cast metal trim ring with metal baffle
- For concentrated accent lighting
- Friction clip “cat paw” retention
- Clear cover glass included with each trim, for use with non-cover glass MR16 lamps

**Housings**
- H1499TAT 50W 12V MR16
- H1499ICAT 75W 12V MR16

**Max Lamp Compatibility**
- H1499TAT
- H1499RTAT
- H1499ICAT
- H1499TCP
- H1499T75

**Dimensions**
- A: 1-7/8” [46mm]
- H: 1-3/8” [33mm]
- OD: 5” [129mm]

**Key:**
- A: Luminous Aperture
- H: Height
- OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
H4 Low Voltage Trims
Low Voltage Housings: H1499ICAT • H1499RTAT • H1499TCP • H1499T75

Adjustable – Eyeballs & Gimbals

1420 Adjustable Slot Aperture – 35° Tilt

- Precision die cast metal trim ring with slot aperture
- For directional accent lighting
- 35° tilt, 360° rotation
- Friction clip “cat paw” retention
- Clear cover glass included with each trim, for use with non-cover glass MR16 lamps

Housings Max Lamp Compatibility
H1499TAT H1499RTAT 50W 12V MR16
H1499ICAT H1499TCP 75W 12V MR16

1420P Slot Aperture, White Trim
1420SN Slot Aperture, Satin Nickel Trim
1420TBZ Slot Aperture, Tuscan Bronze Trim

Dimensions**
A: 2-1/8" x 1-3/8" [53mm x 35mm]
H: 1-1/4" [32mm]
OD: 5" [129mm]

1495 Adjustable Gimbal – 30° Tilt

- Precision die cast metal trim ring and gimbal
- For directional accent lighting
- 30° tilt, 360° rotation
- Friction clip “cat paw” retention
- Clear cover glass included with each trim, for use with non-cover glass MR16 lamps

Housings Max Lamp Compatibility
H1499TAT H1499RTAT 50W 12V MR16
H1499ICAT H1499TCP 75W 12V MR16

1495 White Gimbal, White Trim
1495SN Satin Nickel Gimbal, Satin Nickel Trim
1495TBZ Tuscan Bronze Gimbal, Tuscan Bronze Trim

Dimensions**
A: 1-3/4" [44mm]
H: 1-1/4" [32mm]
OD: 5" [129mm]

1496 Retractable Elbow – 60° Tilt

- Precision die cast metal trim ring with matching finish retractable elbow
- For directional accent lighting
- 60° tilt, 360° rotation
- Friction clip “cat paw” retention
- Clear cover glass included with each trim, for use with non-cover glass MR16 lamps

Housings Max Lamp Compatibility
H1499TAT H1499RTAT 50W 12V MR16
H1499ICAT H1499TCP 75W 12V MR16

1496P White Elbow, White Trim
1496SN Satin Nickel Elbow, Satin Nickel Trim
1496TBZ Tuscan Bronze Elbow, Tuscan Bronze Trim

Dimensions**
A: 1-3/4" [44mm]
H: 1-1/8" [29mm]
OD: 5" [129mm]

1497 Adjustable Mirror Trim – 90° Tilt

- Precision die cast metal trim ring with 90° adjustable scoop
- For directional accent lighting – ideal for wall wash applications
- 90° tilt, 360° rotation
- Friction clip “cat paw” retention
- Clear cover glass included with each trim, for use with non-cover glass MR16 lamps

Housings Max Lamp Compatibility
H1499TAT H1499RTAT 50W 12V MR16
H1499ICAT H1499TCP 75W 12V MR16

1497P White Scoop, White Trim

Dimensions**
OD: 5" [129mm]

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
Specifications, compliances and dimensions subject to change without notice
**H4 Low Voltage Trims**

Low Voltage Housings: H1499ICAT • H1499TAT • H1499TCP • H1499RTAT • H1499T75

### 1498 Adjustable Eyeball with Baffle – 30° Tilt

- Precision die cast metal trim ring with matching finish eyeball
- For directional accent lighting
- 30° tilt, 360° rotation
- Friction clip “cat paw” retention
- Clear cover glass included with each trim, for use with non-cover glass MR16 lamps

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<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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### Dimensions**

- A: 2’’ [51mm]
- H: 2-5/8’’ [67mm]
- OD: 5’’ [129mm]

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### 1498 Adjustable Eyeball with Baffle – 30° Tilt

- Precision die cast metal trim ring with matching finish eyeball
- For directional accent lighting
- 30° tilt, 360° rotation
- Friction clip “cat paw” retention
- Clear cover glass included with each trim, for use with non-cover glass MR16 lamps

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### Lenses & Wet Location Showerlights

#### 1945 Metropolitan Ice Light

- Frosted glass trim in clear or blue
- Provides general illumination
- Friction clip retention
- Clear cover glass included with each trim, for use with non-cover glass MR16 lamps

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### Dimensions**

- H: 3-1/8’’ [79mm]
- OD: 5-3/8’’ [135mm]

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#### 1946 Metropolitan Deco

- Polished metallic accents with translucent rings
- Provides general illumination
- Friction clip retention
- Clear cover glass included with each trim, for use with non-cover glass MR16 lamps

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### Dimensions**

- H: 1-5/8’’ [41mm]
- OD: 5-5/8’’ [143mm]

| 1946BC | Black Chrome Accent, Translucent Ring |

#### 1951 Regressed Clear Lens Showerlight

- Wet location listed for use in showers
- Non-conductive, non-corrosive polymer trim and fixed clear glass lens
- Clear specular splay reflector
- 15° tilt, 360° rotation
- Friction clip retention

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### Dimensions**

- H: 2-1/2’’ [63mm]
- OD: 5’’ [129mm]

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<th>1951PS</th>
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**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
**HALO**

**Halo Recessed Catalog - 5” Recessed Downlighting**

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.*

**Key:**
- A: Luminous Aperture
- D: Depth Profile
- H: Height
- LH: Lens Height
- OD: Trim Outside Diameter

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**IC = Insulated Ceiling**  **Non-IC = Non-Insulated Ceiling**
### E26 Screw Base Insulated Ceiling Housings & Trims

**Quick Reference – IC**

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Halo Recessed Catalog - 5" Recessed Downlighting

**H5ICAT**

5" IC, Air-Tite, New Construction Housing, 120V

The H5ICAT recessed housing is designed for residential and light commercial applications. H5ICAT features full-frame robust construction, feed through listing, Got Nail! bar hangers, and may support the use of higher wattage lamps. The wide variety of trims available allows a number of different lighting effects to be created with one basic housing. The H5ICAT is designed for use in insulated ceilings and may be in direct contact with insulation*. May be retrofit with compatible Halo LED lighting systems.

### Features

**Housing**
- Single wall aluminum housing
- Sealed and gasketed for Air-Tite™ ready installation
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
- Housing adjusts in plaster frame to accommodate up to 1-3/8" ceiling thickness

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Plaster Frame**
- Galvanized steel construction
- The housing can be removed from plaster frame to provide access to the junction box
- Plaster frame features include:
  - Recessed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Halo name embossed on plaster frame
- Pre-installed Air-Tite ready ceiling contact gasket

### Includes:
- Got Nail!™ bar hangers (Details Pg. 13)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

**Thermal Protector**
- Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
- Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

### Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

### Special Features

- Got Nail!™ bar hangers
- q-Channel bars with Pass-N-Thru™
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

### Compatible Trims

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<tr>
<th>Trims</th>
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</table>

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

Specifications, compliances and dimensions subject to change without notice
The H5RICAT recessed housing is designed for residential and light commercial applications. H5RICAT remodel housing features robust construction and may support the use of higher wattage lamps. The wide variety of trims available allows a number of different lighting effects to be created with one basic housing. The H5RICAT is for use in insulated ceilings and may be in direct contact with insulation*. Remodel housing is designed for installation from below the finished ceiling. May be retrofit with compatible Halo LED lighting systems.

**Features**

**Housing**
- Gasketed die-stamped aluminum
- Pre-installed Air-Tite™ ready ceiling contact gasket on flange
- For installation from below the finished ceiling. Integral flange secures fixture against ceiling.
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Remodel Springs**
Four remodel clips secure housing and accommodate 1/2” and 5/8” ceiling material

**Junction Box**
- Seven 1/2” trade size conduit knockouts with true pry-out slots
- Four type non-metallic (NM) cable pry-outs simplify installation

**Includes:**
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Compatibility**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
Halo Recessed Catalog - 5" Recessed Downlighting

5" IC, Air-Tite, New Construction Housing, 120V

The E5ICAT is a compact and efficient recessed housing optimized and listed for EISA compliant tungsten-halogen, CFL and LED lamps as well as incandescent. E5ICAT housing is suitable for residential or light commercial applications. For installation in insulated ceilings\* and non-insulated ceilings; with Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. May be retrofit with Halo LED lighting systems.

**Features**

**Housing**
- Single wall die-formed aluminum housing
- Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
- Exclusive Air-Tite gasket meets code where required, and seals between housing, frame and finished ceiling - without need for additional caulk
- May be removed from the plaster frame to provide access to junction box

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Plaster Frame**
- Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 3/8" - 1" ceiling thickness.
- (2) Regressed locking screws for securing hanger bars

**Includes:**
- All-Nail™ bar hangers (Details Pg. 15)
- q-Channel bars with Pass-N-Through™ (Details Pg. 15)
- Hinged junction box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ push wire nuts (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Shipped with socket overspray protector installed

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Special Features**
- All-Nail™ bar hangers
- q-Channel bars with Pass-N-Through™
- Hinged junction box with Slide-N-Side™
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Compatible Trims**

| 5000 | 5021 | 5019 | 5125 | 5150 | 5185 |
| 5001 | 5051 | 5107 | 5126 | 5162 | 5186 |
| 5010 | 5054 | 5109 | 5130 | 5165 | 5222 |
| 5014 | 5060 | 5110 | 5135 | 5175 | 5230 |
| 5016 | 5070 | 5120 | 5145 | 5176 | 5255 |
| 5020 | 5071 | 5121 | 5146 |

**Trims for use in Halo listed housings**

**Select trims are classified for use in other housings, see [www.eaton.com/lighting/legal](http://www.eaton.com/lighting/legal)**

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*\*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
E5RICAT
5" IC, Air-Tite, Remodel Housing, 120V

The E5RICAT is a compact and efficient recessed housing optimized and listed for EISA compliant, tungsten-halogen, CFL and LED lamps as well as incandescent. E5RICAT remodel housing is suitable for residential or light commercial applications. For installation in insulated ceilings* and non-insulated ceilings; with Air-Tite code compliant construction. Remodel housing is designed for installation from below the finished ceiling. Use with a variety of trims and finishes to create different lighting effects or to match any decor. May be retrofit with Halo LED lighting systems.

**Features**

**Housing**
- Single wall die-formed aluminum housing
- Die formed flange maintains aperture geometry for greater assurance of installation results
- Exclusive Air-Tite gasket meets code where required, and seals between housing, flange and finished ceiling - without need for additional caulk
- For installation from below the finished ceiling. Integral flange secures fixture against ceiling.

**Remodel Retention System - Speed Clamps**
- Exclusive two integral speed clamps securely lock housing to ceiling, accommodating 3/8" to 2" ceiling material

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Includes:**
- Hinged junction box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ wiring tray (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Shipped with socket overspray protector installed

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Specifications**

- Ceiling opening to match template supplied

**Trims for use in Halo listed housings**

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

**Quick Connect™ Wiring Tray**
- (3) Color coded 4-port push-in wire nuts included
- Captive tray holds push-nuts in place for one-handed connections to line, neutral & ground
- Speeds installation and increases reliability
- No additional wire nuts required

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
H25ICAT
5" IC, Air-Tite, Shallow New Construction Housing, 120V

The H25ICAT recessed housing is designed for residential and light commercial applications. The H25ICAT is designed for use in shallow ceilings and features full-frame robust construction, feed through listing, Got Nail! bar hangers, and may support the use of higher wattage lamps. The wide variety of trims available allows a number of different lighting effects to be created with one basic housing. The H25ICAT is designed for use in shallow insulated ceilings and may be in direct contact with insulation*. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
• Single wall aluminum housing
• Sealed and gasketed for Air-Tite™ ready installation
• Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
• Housing adjusts in plaster frame to accommodate up to 1-3/8" ceiling thickness

Socket Plate
• Rigid socket plate adjusts and locks without tools for various lamp sizes
• Socket plate and bracket may be removed when using socket supporting trims

Plaster Frame
• Galvanized steel construction
• The housing can be removed from plaster frame to provide access to the junction box
• Plaster frame features include:
  • Regressed locking screw positioned for securing hanger bars from below the ceiling
  • Cutsouts for easily crimping hanger bars in position
  • Halo name embossed on plaster frame
  • Pre-installed Air-Tite ready ceiling contact gasket

Includes:
• Got Nail!™ bar hangers (Details Pg. 13)
• q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
• Slide-N-Side™ junction box wire traps (Details Pg. 13)
• Quick Connect™ push wire nuts (Details Pg. 13)
• Air-Tite™ code compliant (Details Pg. 13)

Socket
• Porcelain socket with nickel plated brass screw shell
• Snaps into trim for consistent lamp positioning
• Overspray protector included

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Special Features
Got Nail!™ bar hangers
q-Channel bars with Pass-N-Thru™
Slide-N-Side™ junction box
Quick Connect™ push wire nuts
Air-Tite™ code compliant

Compatible Trims
5000 5070 5109 5130 5162 5176
5014 5071 5110 5135 5165 5185
5054 5102 5121 5145 5175 5186
5060 5107 5126 5150

Compliance
• cULus Listed 1998 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• cULus Listed for feed through
• cULus Listed for direct contact with insulation and combustible material*
• Air-Tite code compliant. Certified under ASTM E283, not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
• RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
Specifications, compliances and dimensions subject to change without notice

5 INCH

**Halo Recessed Catalog - 5" Recessed Downlighting**

### 5020 PAR Reflector
- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting

**Housings**
- **H5ICAT**: 75W PAR30S, 60W R30, 60W BR30
- **H5RICAT**: 50W PAR30S, 50W PAR30L, 60W BR30
- **E5ICAT**: 50W PAR30S, 60W BR30
- **E5RICAT**: 50W PAR30S, 60W PAR30L, 50W BR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**5020P** White Reflector, White Trim

**5020H** Haze Reflector, White Trim

**5020SC** Clear Specular Reflector, White Trim

**5020BL** Black Specular Reflector, White Trim

**Dimensions**
- H: 3-1/4" [82mm]
- OD: 6-3/8" [162mm]

### 5021 Full Reflector
- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- For use with A-lamps
- Socket supporting

**Housings**
- **H5ICAT**: 40W A19
- **H5RICAT**: 29W A19

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**5021H** Haze Reflector, White Trim

**5021SC** Clear Specular Reflector, White Trim

**5021TBZ** Tuscan Bronze Reflector, Tuscan Bronze Trim

**Dimensions**
- H: 5" [127mm]
- OD: 6-3/8" [162mm]

### 5107 Specular Reflector, Self-flange
- Self-flange reflector cone
- Contoured tapered sides of cone reflector for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings**
- **H5ICAT**
- **H5RICAT**: 50W PAR30S, 75W PAR30L, 65W BR30
- **E5ICAT**
- **E5RICAT**: 50W PAR30S, 60W PAR30L, 60W BR30
- **H25ICAT**: 50W PAR30S, 60W PAR30L, 50W BR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**5107SC** Specular Reflector, White Self-flange

**Dimensions**
- A: 4-3/4" [121mm]
- H: 2-3/8" [60mm]
- OD: 6-5/8" [168mm]

### 5120 Full Cone Reflector, Self-flange
- Full cone reflector
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings**
- **H5ICAT**
- **H5RICAT**: 5120WH: 29W A19, 50W PAR30S, 60W PAR30L, 65W BR30
- **E5ICAT**
- **E5RICAT**: 5120WN, 5120TBZ: 29W A19, 50W PAR30S, 60W PAR30L, 50W BR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**5120WH** White Reflector, White Self-flange

**5120SN** Satin Nickel Reflector, Satin Nickel Self-flange

**5120TBZ** Tuscan Bronze Reflector, Tuscan Bronze Self-flange

**Dimensions**
- A: 4-3/4" [121mm]
- H: 6-1/4" [166mm]
- OD: 6-5/8" [168mm]

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter
5121 Shallow Full Cone Reflector, Self-flange

- Shallow full cone reflector
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility

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<th>H5ICAT</th>
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<th>50W PAR30S, 75W PAR30L, 65W BR30</th>
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<td>50W PAR20, 60W PAR30L, 65W BR30</td>
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<td>H25ICAT</td>
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Compatible with Halogen, Incandescent, LED* or CFL* lamps

Baffles

5010 PAR Metal Step Baffle

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting

Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5ICAT</th>
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<tr>
<td>E5ICAT</td>
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<tr>
<td>E5RICAT</td>
<td>50W PAR30S, 60W PAR30L, 60W BR30</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5014 Shallow Metal Baffle, Self-flange

- For use in shallow housing
- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Socket supporting

Housings Max Lamp Compatibility

<table>
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<th>H5ICAT</th>
<th>H5RICAT</th>
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<tr>
<td>E5ICAT</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

** Specifications, compliances and dimensions subject to change without notice **
### 5016 Coilex® Baffle with Reflector

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting

#### Dimensions**
- H: 6-3/4” [171mm]
- OD: 6-3/8” [162mm]

#### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5ICAT</th>
<th>H5RICAT</th>
<th>E5ICAT</th>
<th>E5RICAT</th>
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<td>50W PAR30S, 60W PAR30L, 50W BR30</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 5102 Tapered Metal Baffle, Self-flange

- Contoured tapered sides of metal baffle for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Dimensions**
- A: 4-3/4” [121mm]
- H: 2-3/8” [60mm]
- OD: 6-5/8” [168mm]

#### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5ICAT</th>
<th>H5RICAT</th>
<th>E5ICAT</th>
<th>E5RICAT</th>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 5109 Coilex® Tapered Baffle, Self-flange

- Contoured tapered sides of Coilex baffle for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Dimensions**
- A: 4-3/4” [121mm]
- H: 2-3/8” [60mm]
- OD: 6-5/8” [168mm]

#### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5ICAT</th>
<th>H5RICAT</th>
<th>E5ICAT</th>
<th>E5RICAT</th>
<th>H25ICAT</th>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 5110 Perfex™ Baffle, Self-flange

- Perforated pattern baffle contoured for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Dimensions**
- A: 5-1/2” [141mm]
- H: 2-1/8” [55mm]
- OD: 6-5/8” [168mm]

#### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5ICAT</th>
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<th>E5ICAT</th>
<th>E5RICAT</th>
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<tbody>
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<td>39W PAR30S, 60W PAR30L, 50W BR30</td>
<td>50W PAR30S, 60W PAR30L, 50W BR30, 40W BR30</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter
5125 Full Cone Baffle, Self-flange

- Full cone baffle trim
- Torsion springs retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
---|---
H5ICAT, H5RICAT | 5125WB: 29W A19, 50W PAR30S, 60W PAR30L, 65W BR30
H5ICAT, H5RICAT | 5125BB & 5125BBKBB: 29W A19, 50W PAR30S, 60W PAR30L, 50W BR30
ES5ICAT, ES5RICAT | 29W A19, 50W PAR30S, 60W PAR30L, 50W BR30
H25ICAT | 29W A19, 50W PAR30S, 60W PAR30L, 50W BR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5126 Shallow Full Cone Baffle, Self-flange

- Shallow full cone baffle
- Torsion springs retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
---|---
H5ICAT, H5RICAT | 5126WB: 50W PAR20, 50W PAR30S, 75W PAR30L, 65W BR30
ES5ICAT, ES5RICAT | 29W A19, 50W PAR30S, 60W PAR30L, 50W BR30
H25ICAT | 29W A19, 50W PAR30S, 60W PAR30L, 50W BR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Adjustable – Eyeballs & Gimbals

5060 Adjustable Gimbal 20° Tilt, Self-flange

- Straight precision sided trim ring (fixed, not removable)
- For directional accent lighting
- Torsion springs retention
- 20° tilt - 360° rotation
- Socket supporting

5060P White Gimbal, White Trim

Housings | Max Lamp Compatibility
---|---
H5ICAT, H5RICAT | 50W PAR30S
ES5ICAT, ES5RICAT | 75W PAR30L
H25ICAT | 50W PAR30S, 50W R30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5070 Adjustable Eyeball 30° Tilt, Self-flange

- Straight precision sided trim ring (fixed, not removable)
- For directional accent lighting
- Torsion springs retention
- 30° tilt - 360° rotation
- Socket supporting

5070P White Eyeball, White Trim
5070SN Satin Nickel Eyeball, Satin Nickel Trim
5070TBZ Tuscan Bronze Eyeball, Tuscan Bronze Trim

Housings | Max Lamp Compatibility
---|---
H5ICAT, H5RICAT | 50W PAR20, 50W PAR30S, 75W PAR30L, 65W BR30
ES5ICAT, ES5RICAT | 76W PAR30S
H25ICAT | 50W PAR20, 50W PAR30S, 50W R30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
5071 Adjustable Eyeball 30° Tilt, Self-flange

- Straight precision sided trim ring (fixed, not removable)
- For directional accent lighting
- Torsion springs retention
- 30° tilt - 360° rotation
- Socket supporting

**Dimensions**
- OD: 6-1/2” [165mm]

Housings | Max Lamp Compatibility
--- | ---
H5ICAT | H5RICAT 50W PAR20, 50W R20
E5ICAT | E5RICAT 50W PAR20
H25ICAT | 50W PAR20, 50W R20
Compatible with Halogen, Incandescent, LED* or CFL* lamps

5130 Eyeball 35° Tilt, Self-flange

- Adjustable 35° tilt, 360° rotation
- Design optimized for PAR30S (short-neck) lamp
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Dimensions**
- A: 3-7/8” [98mm]
- H: 2-1/4” [58mm]
- OD: 6-5/8” [168mm]

Housings | Max Lamp Compatibility
--- | ---
H5ICAT | H5RICAT
E5ICAT | E5RICAT 75W PAR30S
H25ICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

5135 Eyeball 35° Tilt, Self-flange

- Conical adjustable eyeball trim for PAR20 lamp
- Torsion spring retention
- Socket supporting
- 35° tilt, 360° rotation
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Dimensions**
- A: 2-3/4” [70mm]
- H: 2-1/4” [58mm]
- OD: 6-5/8” [168mm]

Housings | Max Lamp Compatibility
--- | ---
H5ICAT | H5RICAT
E5ICAT | E5RICAT 50W PAR20
H25ICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

5165 Gimbal 35° Tilt, Self-flange

- Adjustable gimbal trim for PAR30S (short-neck) lamp
- Torsion spring retention
- Socket supporting
- 35° tilt, 360° rotation
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Dimensions**
- A: 3-3/8” [85mm]
- H: 1-1/8” [29mm]
- OD: 6-5/8” [168mm]

Housings | Max Lamp Compatibility
--- | ---
H5ICAT | H5RICAT
E5ICAT | E5RICAT 50W PAR30S
H25ICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**
- A: Luminous Aperture,
- D: Depth Profile,
- H: Height,
- LH: Lens Height,
- OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
5222 Regressed Angle Cut Adjustable Gimbal, 30° Tilt, Self-flange

- Fully regressed gimbal
- Torsion spring retention
- 30° tilt, 360° rotation
- Socket supporting
- Angle cut - cone reflector and baffle options
- Accommodates tilt of gimbal in a full regressed cut cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5ICAT</th>
<th>H5RICAT</th>
<th>E5ICAT</th>
<th>E5RICAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>39W PAR30S, 60W PAR30L</td>
<td>Compatible with Halogen, Incandescent, LED* or CFL* lamps</td>
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</tr>
</tbody>
</table>

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Lenses & Wet Location Showerlights

5051 Frosted Glass Lens

- Frosted glass lens
- Straight precision sided trim
- “Dead-Front” construction, wet location listed Showerlight
- Non-conductive, non-corrosive gasketed polymer trim ring
- Torsion spring retention

### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5ICAT</th>
<th>H5RICAT</th>
<th>E5ICAT</th>
<th>E5RICAT</th>
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</thead>
<tbody>
<tr>
<td>35W PAR30L</td>
<td>Compatible with Halogen, Incandescent, LED* or CFL* lamps</td>
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</tbody>
</table>

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5054 Frosted Glass Dome Lens

- Frosted glass dome lens
- Straight precision sided trim ring
- “Dead-Front” construction, wet location listed Showerlight
- Non-conductive, non-corrosive gasketed polymer trim ring
- Torsion spring retention

### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5ICAT</th>
<th>H5RICAT</th>
<th>E5ICAT</th>
<th>E5RICAT</th>
<th>H25ICAT</th>
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</thead>
<tbody>
<tr>
<td>40W A19, 50W PAR30S</td>
<td>Compatible with Halogen, Incandescent, LED* or CFL* lamps</td>
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</tbody>
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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
**5 INCH**

**E26 Screw Base Trims**

IC Housings: H5ICAT • H5RICAT • E5ICAT • E5RICAT • H25ICAT

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### 5150 Low Profile, Frosted Glass Dome Lens, Self-flange

- Low profile, frosted glass dome lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer (plastic) trim and glass lens
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5ICAT</th>
<th>H5RICAT</th>
<th>E5ICAT</th>
<th>E5RICAT</th>
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<td>IC</td>
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<tr>
<td>29W A19, 39W PAR30S</td>
<td>29W A19</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### 5162 Drop Opal Plastic Lens, Self-flange

- Drop opal plastic lens
- Wet location Showerlight
- Non-conductive “dead-front” polymer (plastic) trim
- Torsion spring retention
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5ICAT</th>
<th>H5RICAT</th>
<th>E5ICAT</th>
<th>E5RICAT</th>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### 5230 Squircle Frost Glass Lens, Metal Trim, Self-flange

- Low profile frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Self-flange low profile metal trim ring
- Socket supporting internal bracket
- Integral rotation adjustment up to ±25˚ for precise alignment with room

#### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5ICAT</th>
<th>H5RICAT</th>
<th>E5ICAT</th>
<th>E5RICAT</th>
<th>H25ICAT</th>
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<tr>
<td>Consult website</td>
<td><a href="http://www.eaton.com/lighting">www.eaton.com/lighting</a></td>
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<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### 5255 Soft Square, Frost Curved Glass Lens, Self-flange

- Low profile cured frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer (plastic) trim and glass lens
- Integral rotation adjustment up to ±25˚ for precise alignment with room
- Integrated Socket Supporting reflector for illumination across lens corner-to-corner

#### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5ICAT</th>
<th>H5RICAT</th>
<th>E5ICAT</th>
<th>E5RICAT</th>
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</thead>
<tbody>
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<tr>
<td>29W A19</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
5145 Open Wet Location, Shallow Reflector, Self-flange

- Open wet location Showerlight for PAR30 outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances
- For use in standard and shallow housings

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5ICAT H5RICAT</td>
<td>5145WH: 75W PAR30S, 75W PAR30L</td>
</tr>
<tr>
<td>E5ICAT E5RICAT</td>
<td>5145SN, 5145TBZ: 60W PAR30S, 75W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5146 Open Wet Location Full Reflector, Self-flange

- Open wet location Showerlight for PAR30S and PAR30L outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5ICAT H5RICAT</td>
<td>50W PAR30S, 60W PAR30L</td>
</tr>
<tr>
<td>E5ICAT E5RICAT</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5000 PAR Metal Splay, Self-flange

- Straight precision sided trim ring (fixed, not remodeled)
- Open metal splay trim
- Dual socket position socket for BR and PAR lamps
- Torsion spring retention
- Socket supporting

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5ICAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 75W R30</td>
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<tr>
<td>H5RICAT</td>
<td>50W PAR30S, 75W PAR30L, 60W BR30</td>
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<tr>
<td>H2RICAT</td>
<td>50W PAR30S, 50W PAR30L, 60W BR30</td>
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<tr>
<td>E5ICAT E5RICAT</td>
<td>5000P: 50W PAR30S, 60W PAR30L, 60W BR30</td>
</tr>
<tr>
<td>E5RICAT</td>
<td>5000SN, 5000TBZ: 60W PAR30S, 60W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Open, Splay & Wall Wash

5000P White Splay, White Trim
5000SN Satin Nickel Splay, Satin Nickel Trim
5000TBZ Tuscan Bronze Splay, Tuscan Bronze Trim

Dimensions:
- H: 4-5/8" [117mm]
- D: 5/8" [16mm]
- H: 5-3/8" [138mm]
- OD: 5-5/8" [168mm]

5000 PAR Metal Splay, Self-flange

- Straight precision sided trim ring (fixed, not remodeled)
- Open metal splay trim
- Dual socket position socket for BR and PAR lamps
- Torsion spring retention
- Socket supporting

Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5ICAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 75W R30</td>
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<tr>
<td>H5RICAT</td>
<td>50W PAR30S, 75W PAR30L, 60W BR30</td>
</tr>
<tr>
<td>H2RICAT</td>
<td>50W PAR30S, 50W PAR30L, 60W BR30</td>
</tr>
<tr>
<td>E5ICAT E5RICAT</td>
<td>5000P: 50W PAR30S, 60W PAR30L, 60W BR30</td>
</tr>
<tr>
<td>E5RICAT</td>
<td>5000SN, 5000TBZ: 60W PAR30S, 60W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Specifications, compliances and dimensions subject to change without notice

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.
**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

E26 Screw Base Trims
IC Housings: H5ICAT • H5RICAT • E5ICAT • E5RICAT • H25ICAT

Halo Recessed Catalog - 5" Recessed Downlighting
**5 INCH**

**E26 Screw Base Trims**

IC Housings: H5ICAT • H5RICAT • E5ICAT • E5RICAT • H25ICAT

---

**5175 Open, Wide Self-flange**

- Open trim for BR & PAR lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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</thead>
<tbody>
<tr>
<td>H5ICAT</td>
<td>5175WH: 39W PAR30S, 75W PAR30L, 65W BR30</td>
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<td>H5RICAT</td>
<td>5175SN, 5175TBZ: 39W PAR30S, 60W PAR30L, 50W BR30</td>
</tr>
<tr>
<td>E5ICAT</td>
<td>5175WH: 39W PAR30S, 60W PAR30L, 50W BR30</td>
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<tr>
<td>E5RICAT</td>
<td>5175SN, 5175TBZ: 39W PAR30S, 60W PAR30L, 50W BR30</td>
</tr>
<tr>
<td>H25ICAT</td>
<td>5175WH: 39W PAR30S, 60W PAR30L, 50W BR30</td>
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<td>5175SN, 5175TBZ: 39W PAR30S, 60W PAR30L, 50W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**5176 Open, Wide Self-flange**

- Open trim for BR & PAR lamps
- Torsion spring retention
- Socket supporting integral bracket
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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</thead>
<tbody>
<tr>
<td>H5ICAT</td>
<td>5176WH: 60W PAR30S, 60W PAR30L, 50W BR30</td>
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<tr>
<td>H5RICAT</td>
<td>5176SN, 5176TBZ: 60W PAR30S, 60W PAR30L, 50W BR30</td>
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<tr>
<td>E5ICAT</td>
<td>5176WH: 60W PAR30S, 60W PAR30L, 50W BR30</td>
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<tr>
<td>E5RICAT</td>
<td>5176SN, 5176TBZ: 60W PAR30S, 60W PAR30L, 50W BR30</td>
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<td>H25ICAT</td>
<td>5176WH: 60W PAR30S, 60W PAR30L, 50W BR30</td>
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<td>5176SN, 5176TBZ: 60W PAR30S, 60W PAR30L, 50W BR30</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**5185 Open, Splay Self-flange**

- Splay trim for BR & PAR lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H5ICAT</td>
<td>5185WH: 39W PAR30S, 60W PAR30L, 65W BR30</td>
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<td>H5RICAT</td>
<td>5185SN, 5185TBZ: 39W PAR30S, 60W PAR30L, 65W BR30</td>
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<td>E5ICAT</td>
<td>5185WH: 39W PAR30S, 60W PAR30L, 65W BR30</td>
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<td>E5RICAT</td>
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<td>H25ICAT</td>
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</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**5186 Splay, Self-flange**

- Splay trim for BR & PAR lamps
- Torsion spring retention
- Socket supporting integral bracket
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H5ICAT</td>
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Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.**

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter**

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216 | HALO | Halo Recessed Catalog - 5” Recessed Downlighting

Specifications, compliances and dimensions subject to change without notice
H5ICATNB
5" IC, Air-Tite, New Construction Housing, No Socket Bracket, 120V

The H5ICATNB recessed housing is designed for residential and light commercial applications. H5ICATNB features full-frame robust construction, feed through listing, Got Nail! bar hangers, and may support the use of higher wattage lamps. The wide variety of trims available allows a number of different lighting effects to be created with one basic housing. The H5ICATNB is designed for use in insulated ceilings and may be in direct contact with insulation*.

The H5ICATNB can save installation time. It is designed without a socket plate, for use with socket supporting trims only. With these trims there is no need to spend time removing the socket plate, and the fixed lamp position of socket supporting trims saves on lamp adjustment time too. May be retrofit with compatible Halo LED lighting systems.

**Features**

**Housing**
- Die-stamped aluminum
- Sealed and gasketed for Air-Tite™ ready installation
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)

**Plaster Frame**
- Galvanized steel construction
- The housing can be removed from plaster frame to provide access to the junction box
- Plaster frame features include:
  - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Halo name embossed on plaster frame
  - Pre-installed Air-Tite ready ceiling contact gasket

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Includes:**
- Got Nail!™ bar hangers (Details Pg. 13)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

**Special Features**
- Got Nail!™ bar hangers
- q-Channel bars with Pass-N-Thru™
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Compatible Trims**

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**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
E5ICATNB

5" IC, Air-Tite, New Construction Housing, No Socket Bracket, 120V

The E5ICATNB is a compact and efficient recessed housing optimized and listed for EISA compliant, tungsten-halogen, CFL and LED lamps as well as incandescent. The Halo E5 housing is suitable for residential or light commercial applications. For installation in insulated ceilings* and non-insulated ceilings; with Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. The E5ICATNB can save installation time. It is designed without a socket plate for use with socket supporting trims only. With these trims there is no need to spend time removing the socket plate and the fixed lamp position of socket supporting trims saves on lamp adjustment time too. May be retrofit with Halo LED lighting systems.

Features

**Housing**
- Single wall die-formed aluminum housing
- Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
- Exclusive Air-Tite gasket meets code where required, and seals between housing, frame and finished ceiling - without need for additional caulk
- May be removed from the plaster frame to provide access to junction box

**Plaster Frame**
- Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 3/8" - 1" ceiling thickness
- (2) Regressed locking screws for securing hanger bars

**Includes:**
- All-Nail™ bar hangers (Details Pg. 15)
- q-Channel bar hangers (Details Pg. 15)
- Hinged junction box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ push wire nuts (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in socket speeds installation and attaches directly to the trim for consistent lamp positioning
- Shipped with socket overspray protector installed

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Special Features**
- All-Nail™ bar hangers
- q-Channel bars with Pass-N-Thru™
- Hinged j-box with Slide-N-Side™
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Compatible Trims**

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<tr>
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**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013).
H25ICATNB
5" IC, Air-Tite, Shallow New Construction Housing, No Socket Bracket, 120V

H25ICATNB recessed housing is designed for residential and light commercial applications. The H25ICATNB is designed for use in shallow ceilings, and features full-frame robust construction, feed through listing, Got Nail! bar hangers; and may support the use of higher wattage lamps. The wide variety of trims available allows a number of different lighting effects to be created with one basic housing. The H25ICATNB is designed for use in shallow insulated ceilings and may be in direct contact with insulation*. The H25ICATNB can save installation time. It is designed without a socket plate for use with socket supporting trims only. With these trims there is no need to spend time removing the socket plate and the fixed lamp position of socket supporting trims saves on lamp adjustment time too. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
• Single wall aluminum housing
• Sealed and gasketed for Air-Tite™ ready installation
• Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
• Housing adjusts in plaster frame to accommodate up to 1-3/8" ceiling thickness

Plaster Frame
• Galvanized steel construction
• The housing can be removed from plaster frame to provide access to the junction box
• Plaster frame features include:
  • Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  • Cutouts for easily crimping hanger bars in position
  • Halo name embossed on plaster frame
  • Pre-installed Air-Tite ready ceiling contact gasket

Includes:
• Got Nail!!™ bar hangers (Details Pg. 13)
• q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
• Slide-N-Side™ junction box wire traps (Details Pg. 13)
• Quick Connect™ push wire nuts (Details Pg. 13)
• Air-Tite™ code compliant (Details Pg. 13)

Socket
• Porcelain socket with nickel plated brass screw shell
• Snaps into trim for consistent lamp positioning
• Shipping insert protects socket from overspray

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Special Features

Compatible Trims

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Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
• cULus Listed 1598 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• cULus Listed for feed through
• cULus Listed for direct contact with insulation and combustible material*
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
• RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
5020 PAR Reflector

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting integral bracket

**Housings Max Lamp Compatibility**

| H5ICATNB | 75W PAR30S, 60W BR30 |
| E5ICATNB | 60W PAR30S, 60W BR30 |
| E5020P, 5020H, 5020SC, 5020BL: | 60W PAR30S, 60W BR30 |
| 5020SN, 5020TBZ: | 60W PAR30S, 50W BR30 |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

H: 3-1/4" [82mm]
OD: 6-3/8" [162mm]

---

5021 Full Reflector

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- For use with A-lamps
- Socket supporting reflector

**Housings Max Lamp Compatibility**

| H5ICATNB | 40W A19 |
| E5ICATNB | 29W A19 |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

H: 5" [127mm]
OD: 6-3/8" [162mm]

---

5120 Full Cone Reflector, Self-flange

- Full cone reflector
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings Max Lamp Compatibility**

| H5ICATNB | 5120WH: 29W A19, 50W PAR30S, 60W PAR30L, 65W BR30 |
| E5ICATNB | 5120SN, 5120TBZ: 29W A19, 50W PAR30S, 60W PAR30L, 50W BR30 |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

H: 4-3/4" [121mm]
H: 6-1/4" [160mm]
OD: 6-5/8" [168mm]
5121 Shallow Full Cone Reflector, Self-flange

- Shallow full cone reflector
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings**

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</tbody>
</table>

| E5ICATNB  | 50W PAR20, 50W PAR30S, 75W PAR30L, 65W BR30 |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

A: 4-3/4” [121mm]  
H: 5-1/3” [135mm]  
OD: 6-5/8” [168mm]

---

**Baffles**

5001 PAR Metal Baffle Splay

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting

**Housings**

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<th>Max Lamp Compatibility</th>
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| E5ICATNB  | 35W PAR20, 60W PAR30S, 60W PAR30L, 65W BR30 |

**5001MB**  
**5001SN**  
**5001TBZ**

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

H: 6-1/8” [152mm]  
OD: 6-3/8” [156mm]

---

5010 PAR Metal Step Baffle

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting

**Housings**

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<th>Max Lamp Compatibility</th>
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| E5ICATNB  | 60W PAR30S, 60W PAR30L, 60W BR30 |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

H: 2” [52mm]  
OD: 6-3/8” [156mm]

---

5014 Shallow Metal Baffle, Self-flange

- For use in shallow housing
- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Socket supporting

**Housings**

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</table>

| E5ICATNB  | 50W PAR20, 50W PAR30S, 75W PAR30L, 65W BR30 |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

A: 4-3/4” [121mm]  
H: 2-3/8” [60mm]  
OD: 6-3/8” [168mm]

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**  
A: Luminous Aperture,  
D: Depth Profile,  
H: Height,  
LH: Lens Height,  
OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
5016 Coilex® Baffle with Reflector

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting

Housings Max Lamp Compatibility
---
H5ICATNB 60W PAR30S, 60W PAR30L, 60W BR30
E5ICATNB 50W BR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

5125 Full Cone Baffle, Self-flange

- Full cone baffle trim
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility
---
H5ICATNB 5125WB: 29W A19, 50W PAR30S, 60W PAR30L, 60W BR30
E5ICATNB 25W A19, 50W PAR30S, 60W PAR30L, 50W BR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

5126 Shallow Full Cone Baffle, Self-flange

- Shallow full cone baffle
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility
---
H5ICATNB 5126WB: 50W PAR20, 50W PAR30S, 75W PAR30L, 50W BR30
E5ICATNB 5126BB: 50W PAR20, 50W PAR30S, 60W PAR30L, 50W BR30
H25ICATNB 5126BB: 50W PAR20, 50W PAR30S, 60W PAR30L, 50W BR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Adjustable – Eyeballs & Gimbals

5060 Adjustable Gimbal 20° Tilt, Self-flange

- Straight precision sided trim ring (fixed, not removable)
- For directional accent lighting
- Torsion spring retention
- 20° tilt - 360° rotation
- Socket supporting

Housings Max Lamp Compatibility
---
H5ICATNB 5060P: 50W PAR30S
E5ICATNB 50W PAR30S
H25ICATNB
Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
E26 Screw Base Trims

IC "NB" Housings: HSICATNB • E5ICATNB • H25ICATNB

5070 Adjustable Eyeball 30° Tilt, Self-flange

- Straight precision sided trim ring (fixed, not removable)
- For directional accent lighting
- Torsion spring retention
- 30° tilt - 360° rotation
- Socket supporting

**Housings** | **Max Lamp Compatibility**
--- | ---
HSICATNB | E5ICATNB | 75W PAR30S
H25ICATNB | E5ICATNB | 50W PAR20, 50W R20

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5071 Adjustable Eyeball 30° Tilt, Self-flange

- Straight precision sided trim ring (fixed, not removable)
- For directional accent lighting
- Torsion spring retention
- 30° tilt - 360° rotation
- Socket supporting

**Housings** | **Max Lamp Compatibility**
--- | ---
HSICATNB | E5ICATNB | 50W PAR20, 50W R20
H25ICATNB | E5ICATNB | 50W PAR20

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5130 Eyeball 35° Tilt, Self-flange

- Adjustable 35° tilt, 360° rotation
- Design optimized for PAR30S (short-neck) lamps
- Torsion spring retention
- Socket supporting eyeball
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings** | **Max Lamp Compatibility**
--- | ---
HSICATNB | E5ICATNB | 75W PAR30S
H25ICATNB | E5ICATNB | 50W PAR20

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
5135 Eyeball 35° Tilt, Self-flange

- Conical adjustable eyeball trim for PAR20 lamps
- Torsion spring retention
- Socket supporting
- 35° tilt, 360° rotation
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility

| H5ICATNB | 50W PAR20 |
| H5ICATNB | 50W PAR20 |
| H5ICATNB | 50W PAR20 |
| H5ICATNB | 50W PAR20 |
| H5ICATNB | 50W PAR20 |
| H5ICATNB | 50W PAR20 |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**

A: 2-3/4" [70mm]
H: 2-1/4" [58mm]
OD: 6-5/8" [168mm]

5165 Gimbal 35° Tilt, Self-flange

- Adjustable gimbal trim for PAR30S (short-neck) lamps
- Torsion spring retention
- Socket supporting
- 35° tilt, 360° rotation
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility

| H5ICATNB | 50W PAR30S |
| H5ICATNB | 50W PAR30S |
| H5ICATNB | 50W PAR30S |
| H5ICATNB | 50W PAR30S |
| H5ICATNB | 50W PAR30S |
| H5ICATNB | 50W PAR30S |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**

A: 3-3/8" [85mm]
H: 1-1/8" [29mm]
OD: 6-5/8" [168mm]

5222 Regressed Angle Cut Adjustable Gimbal, 30° Tilt, Self-flange

- Fully regressed gimbal
- Torsion spring retention
- 30° tilt, 360° rotation
- Socket supporting
- Angle cut - cone reflector and baffle options
- Accommodates tilt of gimbal in a full regressed cut cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility

| H5ICATNB | 39W PAR30S, 60W PAR30L |
| H5ICATNB | 39W PAR30S, 60W PAR30L |
| H5ICATNB | 39W PAR30S, 60W PAR30L |
| H5ICATNB | 39W PAR30S, 60W PAR30L |
| H5ICATNB | 39W PAR30S, 60W PAR30L |
| H5ICATNB | 39W PAR30S, 60W PAR30L |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**

A: 5-1/2" [127mm]
H: 3-1/16" [79mm]
OD: 6-5/8" [168mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter
E26 Screw Base Trims
IC "NB" Housings: HSICATNB • ESICATNB • H25ICATNB

Lenses & Wet Location Showerlights

5051 Frosted Glass Lens

- Frosted glass lens
- Straight precision sided trim ring
- "Dead-Front" construction, wet location listed Showerlight
- Non-conductive, non-corrosive gasketed polymer trim ring
- Torsion spring retention

Housings Max Lamp Compatibility
HSICATNB 35W PAR30L
ESICATNB
H25ICATNB
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions*
H: 5-9/16" [141mm]
OD: 6-7/16" [164mm]

5054 Frosted Glass Dome Lens

- Frosted glass dome lens
- Straight precision sided trim ring
- "Dead-Front" construction, wet location listed Showerlight
- Non conductive, non corrosive gasketed polymer trim ring
- Torsion spring retention

Housings Max Lamp Compatibility
HSICATNB 40W A19, 50W PAR30S
ESICATNB
H25ICATNB
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions*
H: 4-1/2" [114mm]
OD: 6-3/8" [162mm]

5150 Low Profile, Frosted Glass Dome Lens, Self-flange

- Low profile, frosted glass dome lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive "dead-front" polymer (plastic) trim ring and glass lens
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility
HSICATNB 28W A19, 36W PAR30S
ESICATNB
H25ICATNB 28W A19
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions*
H: 4-1/2" [114mm]
OD: 6-5/8" [168mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
**5162 Drop Opal Plastic Lens, Self-flange**

- Drop opal plastic lens
- Wet location Showerlight
- Non-conductive "dead-front" polymer (plastic) trim
- Torsion spring retention
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings Max Lamp Compatibility**

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Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**5230 Squircle Frost Glass Lens, Metal Trim, Self-flange**

- Low profile frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Self-flange low profile metal trim ring
- Socket supporting internal bracket
- Integral rotation adjustment up to +/- 25° for precise alignment with room

**Housings Max Lamp Compatibility**

<table>
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<th>H5ICATNB</th>
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<td><a href="http://www.eaton.com/lighting">www.eaton.com/lighting</a></td>
</tr>
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Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**5255 Soft Square, Frost Curved Glass Lens, Self-flange**

- Low profile curved frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive "dead-front" polymer (plastic) trim and glass lens
- Integral rotation adjustment up to +/- 25° for precise alignment with room
- Integrated socket supporting reflector for illumination across lens corner-to-corner

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H5ICATNB</th>
<th>29W A19</th>
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<tbody>
<tr>
<td>E5ICATNB</td>
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Compatible with Halogen, Incandescent, LED* or CFL* lamps

---

**Dimensions**

- 5230AH: A: 5-1/8" [130mm] D: 1" [26mm] H: 5-1/2" [140mm] OD: 6-7/8" [174mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter
5145 Open Wet Location, Shallow Reflector, Self-flange

- Open wet location Showerlight for PAR30S and PAR30L outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances
- For use in standard and shallow housings

**Housings**

| H5ICATNB | 5145WH: 75W PAR30S, 75W PAR30L | E5ICATNB | 5145SN, 5145TBZ: 60W PAR30S, 75W PAR30L |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

- A: 4-5/8” [117mm]
- D: 5/8” [16mm]
- H: 5-3/8” [138mm]
- OD: 6-5/8” [168mm]

5146 Open Wet Location Full Reflector, Self-flange

- Open wet location Showerlight for PAR30S and PAR30L outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings**

| H5ICATNB | 5146WH: 50W PAR30S, 60W PAR30L |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

- A: 4-3/4” [121mm]
- H: 6-1/4” [160mm]
- OD: 6-5/8” [168mm]

Open, Splay & Wall Wash

5000 PAR Metal Splay, Self-flange

- Straight precision sided trim ring (fixed, not remodeled)
- Open metal splay trim
- Dual socket position socket for BR and PAR lamps
- Torsion spring retention
- Socket supporting

**Housings**

| H5ICATNB | 65W BR30, 75W R30, 75W PAR30, 75W PAR30L |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

- H: 4-5/8” [118mm]
- OD: 6-3/8” [162mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
5176  Open, Wide Self-flange

- Open trim for BR30 & PAR30 lamps
- Torsion spring retention
- Socket supporting integral bracket
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility
H5ICATNB
E5ICATNB  60W PAR30S, 60W PAR30L, 50W BR30
H25ICATNB

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 3-7/8” [99mm]  
H: 4-3/4” [120mm]  
OD: 6-5/8” [168mm]

5186  Splay, Self-flange

- Splay trim for BR30 & PAR30 lamps
- Torsion spring retention
- Socket supporting integral bracket
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility
H5ICATNB
E5ICATNB  60W PAR30S, 60W PAR30L, 50W BR30
H25ICATNB

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 3-7/8” [99mm]  
H: 4-7/8” [123mm]  
OD: 6-5/8” [168mm]

*UL 1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.  
**Key:  A: Luminous Aperture, D: Depth Profile,  H: Height,  LH: Lens Height,  OD: Trim Outside Diameter
### E26 Screw Base Non-Insulated Ceiling Housings & Trims

**Quick Reference – Non-IC**

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<th>ESTAT</th>
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H5T
5” Non-IC, New Construction Housing, 120V

The H5T recessed housing is designed for residential and light commercial applications. H5T features full-frame robust construction, feed through listing, Got Nail! bar hangers, and may support the use of higher wattage lamps. The wide variety of trims available allows a number of different lighting effects to be created with one basic housing. The H5T is designed for use non-insulated ceilings. If insulation is present it must be kept 3” from all sides of the housing. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
- Single wall die-stamped CRS with white powder coat finish
- Housing adjusts in plaster frame to accommodate up to 1-3/8” ceiling thickness

Plaster Frame
- Galvanized steel construction
- The housing can be removed from plaster frame to provide access to the junction box
- Plaster frame features include:
  - Patented recessed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Halo name embossed on plaster frame

Socket Plate
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims
- Overspray protector included

Includes:
- Got Nail!™ bar hangers (Details Pg. 13)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts (Details Pg. 13)

Socket
- Porcelain socket with nickel plated brass screw shell
- Snaps into trim for consistent lamp positioning
- Shipping insert protects socket from overspray

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- IP rated (Improper Lamp)
- RoHS compliant
H5RT
5” Non-IC, Remodel Housing, 120V

The H5RT recessed housing is designed for residential and light commercial applications. H5RT remodel housing features robust construction and may support the use of higher wattage lamps. The wide variety of trims available allows a number of different lighting effects to be created with one basic housing. The H5RT is for use non-insulated ceilings. If insulation is present it must be kept 3” from all sides of the housing. Remodel housing is designed for installation from below the finished ceiling. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
• Single wall die-stamped CRS with white powder coat finish
• For installation from below finished ceiling
  Integral flange secures fixture against ceiling

Remodel Springs
Four remodel clips secure housing and accommodate 1/2” and 5/8” ceiling material

Junction Box
• Seven 1/2” trade size conduit knockouts with true pry-out slots
• Four type non-metallic (NM) cable pry-outs simplify installation

Includes:
• Quick Connect™ push wire nuts (Details Pg. 13)

Socket
• Porcelain socket with nickel plated brass screw shell
• Snaps into trim for consistent lamp positioning
• Overspray protector included

Socket Plate
• Rigid socket plate adjusts and locks without tools for various lamp sizes
• Socket plate and bracket may be removed when using socket supporting trims

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or missapplied insulation

Special Features

Quick Connect™ push wire nuts

Compatible Trims

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Compatible Housings
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5010 5051 5107 5135 5165 5222
5012 5054 5109 5145 5175 5230
5016 5060 5110 5146 5176 5259
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Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
• cULus Listed 1598 luminaire
• cULus Listed for damp location
• cULus Listed for wet location, covered ceiling, with select trims
• cULus Listed for feed through
• IP rated (Improper Lamp)
• RoHS compliant
E5TAT

5" Non-IC, Air-Tite, New Construction Housing, 120V

The E5TAT is a compact and efficient recessed housing optimized and listed for EISA compliant, tungsten-halogen, CFL and LED lamps as well as incandescent. E5TAT housing is for use in non-insulated ceilings, suitable for residential or light commercial applications; with Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. E5TAT is designed for use in non-insulated ceilings, if insulation is present it must be kept 3" from all sides of the housing. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
- Single wall die-formed housing
- Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
- Exclusive Air-Tite gasket meets code where required, and seals between housing, frame and finished ceiling - without need for additional caulk
- May be removed from the plaster frame to provide access to junction box

Socket Plate
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

Plaster Frame
- Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 3/8" - 1" ceiling thickness
- (2) Regressed locking screws for securing hanger bars

Includes:
- All-Nail™ bar hangers (Details Pg. 15)
- q-Channel bar hangers (Details Pg. 15)
- Hinged junction box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ push wire nuts (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

Socket
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Shipped with socket overspray protector installed

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

Special Features

All-Nail™ bar hangers
q-Channel bars with Pass-N-Thru™
Hinged j-box with Slide-N-Side™
Quick Connect™ push wire nuts
Air-Tite™ code compliant
E5RTAT

5” Non-IC, Air-Tite, Remodel Housing, 120V

The E5RTAT is a compact and efficient recessed housing optimized and listed for EISA compliant, tungsten-halogen, CFL and LED lamps as well as incandescent. E5RTAT remodel housing is for use in non-insulated ceilings, suitable for residential or light commercial applications; with Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. This remodel housing is designed for installation from below the finished ceiling. As E5RTAT is for use in non-insulated ceilings, if insulation is present it must be kept 3” from all sides of the housing. May be retrofit with Halo LED lighting systems.

Features

Housing
- Single wall die-formed housing
- Die formed flange maintains aperture geometry for greater assurance of installation results
- Exclusive Air-Tite gasket meets code where required, and seals between housing, flange and finished ceiling - without need for additional caulk
- For installation from below the finished ceiling. Integral flange secures fixture against ceiling.

Remodel Retention System - Speed Clamps
- Exclusive two integral speed clamps securely lock housing to ceiling, accommodating 3/8” to 2” ceiling materials

Socket Plate
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

Includes:
- Hinged junction box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ wiring tray (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

Socket
- Porcelain socket with nickel plated brass screw shell
- Socket snaps into socket plate for consistent lamp positioning
- Shipped with socket overspray protector installed

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Quick Connect™ Wiring Tray
- (3) Color coded 4-port push-in wire nuts included
- Captive tray holds push-nuts in place for one-handed connections to line, neutral & ground
- Speeds installation and increases reliability
- No additional wire nuts required

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

Special Features
Hinged junction box with Slide-N-Side™
Quick Connect™ wiring tray
Air-Tite™ code compliant

Compatible Trims

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Trims for use in Halo listed housings
Select trims are classified for use in other housings, see www.eaton.com/lighting/legal
**5020 PAR Reflector**

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting

### Housings

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### Dimensions

- **H:** 3-1/4” [82mm]
- **OD:** 6-3/8” [162mm]

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**5021 Full Reflector**

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- For use with A-Lamps
- Socket supporting

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<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HST</strong></td>
<td><strong>HSRT</strong></td>
</tr>
<tr>
<td>60W A19</td>
<td></td>
</tr>
</tbody>
</table>

### Dimensions

- **H:** 5” [127mm]
- **OD:** 6-3/8” [162mm]

---

**5107 Tapered Reflector, Self-flange**

- Self-flange reflector cone
- Contoured tapered sides of cone reflector for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

### Housings

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HST</strong></td>
<td><strong>HSRT</strong></td>
</tr>
<tr>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
<td></td>
</tr>
</tbody>
</table>

### Dimensions

- **A:** 4-3/4” [121mm]
- **H:** 2-3/8” [60mm]
- **OD:** 6-5/8” [168mm]

---

**5120 Full Cone Reflector, Self-flange**

- Full cone reflector
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

### Housings

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HST</strong></td>
<td><strong>HSRT</strong></td>
</tr>
<tr>
<td>60W A19, 75W PAR30S, 75W PAR30L, 65W BR30</td>
<td></td>
</tr>
</tbody>
</table>

### Dimensions

- **A:** 4-3/4” [121mm]
- **H:** 6-1/4” [160mm]
- **OD:** 6-5/8” [168mm]

---

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**

- **A:** Luminous Aperture
- **D:** Depth Profile
- **H:** Height
- **LH:** Lens Height
- **OD:** Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
Baffles

5001 PAR Metal Baffle Splay

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting

**Housings** | **Max Lamp Compatibility**
--- | ---
HST | 50W PAR20, 75W PAR30S, 75W PAR30L, 65W BR30, 50W R20, 75W R30
EStat | 50W PAR20, 75W PAR30S, 75W PAR30L, 65W BR30

Dimensions**
H: 6-1/8" [152mm]
OD: 6-3/8" [156mm]

5010 PAR Metal Step Baffle

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting

**Housings** | **Max Lamp Compatibility**
--- | ---
HST | 75W PAR30S, 75W PAR30L, 65W BR30, 75W R30
EStat | 75W PAR30S, 75W PAR30L, 65W BR30

Dimensions**
H: 2" [52mm]
OD: 6-3/8" [156mm]

5012 High Coilex® Baffle

- Straight precision sided trim ring (fixed, not removable)
- Provides ultra deep lamp regression (not compatible with H5TM)
- Socket supporting
- Torsion spring retention

**Housings** | **Max Lamp Compatibility**
--- | ---
HST | 75W PAR30S, 75W PAR30L, 65W BR30, 75W R30
EStat | 75W PAR30S, 75W PAR30L, 65W BR30

Dimensions**
H: 6" [152mm]
OD: 6-3/8" [156mm]

5016 Coilex® Baffle with Reflector

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting

**Housings** | **Max Lamp Compatibility**
--- | ---
HST | 60W A19, 75W PAR30S, 75W PAR30L, 65W BR30
EStat | 75W PAR30L, 65W BR30

Specifications, compliances and dimensions subject to change without notice

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

E26 Screw Base Trims
Non-IC Housings: H5T • H5RT • E5TAT • E5RTAT

5 INCH

HALO Halo Recessed Catalog - 5" Recessed Downlighting

235
5102 Tapered Metal Baffle, Self-flange

- Contoured tapered sides of metal baffle for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
--- | ---
H5T | 75W PAR30S, 75W PAR30L, 65W BR30
H5RT | 75W PAR30S, 75W PAR30L, 65W BR30
E5TAT | E5RTAT

Dimensions**
A: 4-3/4" [121mm]
H: 2-3/8" [60mm]
OD: 6-5/8" [168mm]

5109 Coilex™ Tapered Baffle, Self-flange

- Contoured tapered sides of Coilex baffle for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
--- | ---
H5T | 75W PAR30S, 75W PAR30L, 65W BR30
H5RT | 75W PAR30S, 75W PAR30L, 65W BR30
E5TAT | E5RTAT

Dimensions**
A: 4-3/4" [121mm]
H: 2-3/8" [60mm]
OD: 6-5/8" [168mm]

5110 Perfutex™ Baffle, Self-flange

- Perforated pattern baffle contoured for BR30 and PAR30L lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
--- | ---
H5T | 75W PAR30L, 65W BR30
H5RT | 75W PAR30L, 65W BR30
E5TAT | E5RTAT

Dimensions**
A: 4-1/4" [112mm]
H: 2-1/8" [55mm]
OD: 6-5/8" [168mm]

5125 Full Cone Baffle, Self-flange

- Full cone baffle
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
--- | ---
H5T | 60W A19, 75W PAR30S, 75W PAR30L, 65W BR30
H5RT | 60W A19, 75W PAR30S, 75W PAR30L, 65W BR30
E5TAT | E5RTAT

Dimensions**
A: 4-3/4" [121mm]
H: 6-1/4" [160mm]
OD: 6-5/8" [168mm]

Adjustable – Eyeballs & Gimbals

5060 Adjustable Gimbal 20° Tilt, Self-flange

- Straight precision sided trim ring (fixed, not removable)
- For directional accent lighting
- Torsion springs retention
- 20° tilt - 360° rotation
- Socket supporting

Housings | Max Lamp Compatibility
--- | ---
H5T | 75W PAR30S
H5RT | 75W PAR30S
E5TAT | E5RTAT

Dimensions**
A: 3-1/4" [82mm]
OD: 3-3/8" [82mm]
5070 Adjustable Eyeball 30° Tilt, Self-flange

- Straight precision sided trim ring (fixed, not removable)
- For directional accent lighting
- Torsion spring retention
- 30° tilt - 360° rotation
- Socket supporting

**Housings** | **Max Lamp Compatibility**
---|---
HST | H5RT 75W PAR30S
ESTAT | E5RTAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

<table>
<thead>
<tr>
<th>A (Luminous Aperture)</th>
<th>H (Height)</th>
<th>OD (Trim Outside Diameter)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-7/8&quot; [98mm]</td>
<td>3-3/8&quot; [86mm]</td>
<td>6-3/8&quot; [162mm]</td>
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</tbody>
</table>

5071 Adjustable Eyeball 30° Tilt, Self-flange

- Straight precision sided trim ring (fixed, not removable)
- For directional accent lighting
- Torsion spring retention
- 30° tilt - 360° rotation
- Socket supporting

**Housings** | **Max Lamp Compatibility**
---|---
HST | H5RT 50W PAR20, 50W R20
ESTAT | E5RTAT 50W PAR20

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

<table>
<thead>
<tr>
<th>OD (Trim Outside Diameter)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-1/2&quot; [165mm]</td>
</tr>
</tbody>
</table>

5130 Eyeball 35° Tilt, Self-flange

- Adjustable 35° tilt, 360° rotation
- Design optimized for PAR30S (short-neck) lamps
- Torsion spring retention
- Socket supporting eyeball
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings** | **Max Lamp Compatibility**
---|---
HST | E5RTAT 75W PAR30S
H5WT | E5RTAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

<table>
<thead>
<tr>
<th>A (Luminous Aperture)</th>
<th>H (Height)</th>
<th>OD (Trim Outside Diameter)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-7/8&quot; [98mm]</td>
<td>2-1/4&quot; [58mm]</td>
<td>6-5/8&quot; [168mm]</td>
</tr>
</tbody>
</table>

5135 Eyeball 35° Tilt, Self-flange

- Conical adjustable eyeball trim for PAR20 lamps
- Torsion spring retention
- Socket supporting
- 35° tilt, 360° rotation
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings** | **Max Lamp Compatibility**
---|---
HST | H5RT 50W PAR20
ESTAT | E5RTAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

<table>
<thead>
<tr>
<th>A (Luminous Aperture)</th>
<th>H (Height)</th>
<th>OD (Trim Outside Diameter)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3/4&quot; [70mm]</td>
<td>6-5/8&quot; [168mm]</td>
<td></td>
</tr>
</tbody>
</table>
5165 Gimbal 35° Tilt, Self-flange

- Adjustable gimbal trim for PAR30S (short-neck) lamps
- Torsion spring retention
- Socket supporting bracket
- 35° tilt, 360° rotation
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5T</td>
<td>75W PAR30S</td>
</tr>
<tr>
<td>H5RT</td>
<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5222 Regressed Angle Cut Adjustable Gimbal, 30° Tilt, Self-flange

- Fully regressed gimbal
- Torsion spring retention
- 30° tilt, 360° rotation
- Socket supporting
- Angle cut - cone reflector and baffle options
- Accommodates tilt of gimbal in a full regressed cut cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5T</td>
<td>60W PAR16, 50W PAR20,</td>
</tr>
<tr>
<td>H5RT</td>
<td>75W PAR30S, 75W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Lenses & Wet Location Showerlights

5051 Frosted Glass Lens

- Frosted glass lens
- Straight precision sided trim
- "Dead-Front" construction, wet location listed Showerlight
- Non-conductive, non-corrosive gasketed polymer trim ring
- Torsion spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5T</td>
<td>60W A19, 50W PAR30S,</td>
</tr>
<tr>
<td>H5RT</td>
<td>50W PAR30L, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5054 Frosted Glass Dome Lens

- Frosted glass dome lens
- Precision straight sided trim ring
- "Dead-Front" construction, wet location listed Showerlight
- Non conductive, non corrosive gasketed polymer trim ring
- Torsion spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5T</td>
<td>75W A19, 75W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
5145 Open Wet Location, Shallow, Self-flange

- Open wet location Showerlight for PAR30S and PAR30L outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances
- For use only in standard and shallow housings

Housings  | Max Lamp Compatibility
---|---
HST  | 75W PAR30S, 75W PAR30L
ESTAT  | 75W PAR30S, 75W PAR30L
HTAT  | 75W PAR30S, 75W PAR30L

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5146 Open Wet Location, Self-flange

- Open wet location Showerlight for PAR30S and PAR30L outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings  | Max Lamp Compatibility
---|---
HST  | 75W PAR30S, 75W PAR30L
ESTAT  | 75W PAR30S, 75W PAR30L
HTAT  | 75W PAR30S, 75W PAR30L

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5150 Low Profile, Frosted Glass Dome Lens, Self-flange

- Low profile, frosted glass dome lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer (plastic) trim and glass lens
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings  | Max Lamp Compatibility
---|---
HST  | 60W A19, 50W PAR30S
ESTAT  | 60W A19, 50W PAR30S
HTAT  | 60W A19, 50W PAR30S

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5162 Drop Opal Plastic Lens, Self-flange

- Drop opal plastic lens
- Wet location Showerlight
- Non-conductive “dead-front” polymer (plastic) trim
- Torsion spring retention
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings  | Max Lamp Compatibility
---|---
HST  | 43W A19
ESTAT  | 43W A19
HTAT  | 43W A19

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
5230 Squircle Frost Glass Lens, Metal Trim, Self-flange

- Low profile frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Self-flange low profile metal trim ring
- Socket supporting internal bracket
- Integral rotation adjustment up to +/- 25° for precise alignment with room

Housings Max Lamp Compatibility
H5T H5RT Consult website
E5TAT E5RTAT www.eaton.com/lighting
Compatible with Halogen, Incandescent, LED* or CFL* lamps

5255 Soft Square, Frost Curved Glass Lens, Self-flange

- Low profile curved frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer plastic trim and glass lens
- Integral rotation adjustment up to +/- 25° for precise alignment with room
- Integrated socket supporting reflector for illumination across lens corner-to-corner

Housings Max Lamp Compatibility
H5T H5RT 60W A19, 60W PAR30S
E5TAT E5RTAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Open, Splay & Wall Wash

5000 PAR Metal Splay, Self-flange

- Straight precision sided trim ring (fixed, not remodeled)
- Open metal splay trim
- Dual socket position socket for BR and PAR lamps
- Torsion spring retention
- Socket supporting

Housings Max Lamp Compatibility
H5T H5RT 75W PAR30S, 75W PAR30L, 65W BR30, 75W R30
E5TAT E5RTAT 75W PAR30S, 75W PAR30L, 65W BR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

5175 Open, Wide Self-flange

- Open trim for BR & PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility
H5T H5RT 75W PAR30S, 75W PAR30L, 65W BR30
E5TAT E5RTAT 65W BR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter
5176 Open, Wide Self-flange

- Open trim for BR & PAR lamps
- Torsion spring retention
- Socket supporting integral bracket
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Specifications**
- A: 3-7/8" [99mm]
- H: 4-3/4" [120mm]
- OD: 6-5/8" [168mm]

**Housings**
- H5T
- H5RT
- E5TAT
- E5RTAT

**Max Lamp Compatibility**
- 75W PAR30
- 75W PAR30L
- 65W BR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5185 Open, Splay Self-flange

- Open splay trim for BR & PAR lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Specifications**
- A: 3-7/8" [99mm]
- H: 1" [27mm]
- OD: 6-5/8" [168mm]

**Housings**
- H5T
- H5RT
- E5TAT
- E5RTAT

**Max Lamp Compatibility**
- 75W PAR30
- 75W PAR30L
- 65W BR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5186 Splay, Self-flange

- Splay trim for BR & PAR lamps
- Torsion spring retention
- Socket supporting integral bracket
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Specifications**
- A: 3-7/8" [99mm]
- H: 1" [27mm]
- OD: 6-5/8" [168mm]

**Housings**
- H5T
- H5RT
- E5TAT
- E5RTAT

**Max Lamp Compatibility**
- 75W PAR30
- 75W PAR30L
- 65W BR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5030 Wall Wash with Baffle

- Straight precision sided trim ring
- Designed to spread light closer to the ceiling to eliminate the "cave effect"
- Provides a wash of light
- 360° rotation
- Torsion spring retention
- Socket supporting

**Specifications**
- A: 3-7/8" [99mm]
- H: 1-3/8" [35mm]
- OD: 6-5/8" [168mm]

**Housings**
- H5T
- H5RT
- E5TAT
- E5RTAT

**Max Lamp Compatibility**
- 50W TB19
- 60W A19
- 60W BT15
- 60W MB19

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**
- A: Luminous Aperture
- D: Depth Profile
- H: Height
- LH: Lens Height
- OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
H5TNB

5” Non-IC, New Construction Housing, No Socket Bracket, 120V

The H5TNB recessed housing is designed for residential and light commercial applications. H5TNB features full-frame robust construction, feed through listing, Got Nail! bar hangers; and may support the use of higher wattage lamps. The wide variety of trims available allows a number of different lighting effects to be created with one basic housing. The H5TNB is for use non-insulated ceilings. If insulation is present it must be kept 3” from all sides of the housing. The H5TNB can save installation time. It is designed without a socket plate for use with socket supporting trims only. With these trims there is no need to spend time removing the socket plate and the fixed lamp position of socket supporting trims saves on lamp adjustment time too. May be retrofit with compatible Halo LED lighting systems.

Features

**Housing**
- Single wall die-stamped CRS with white powder coat finish
- Housing adjusts in plaster frame to accommodate up to 1-3/8” ceiling thickness

**Plaster Frame**
- Galvanized steel construction
- The housing can be removed from plaster frame to provide access to the junction box
- Plaster frame features include:
  - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Halo name embossed on plaster frame

**Includes:**
- Got Nail™ bar hangers (Details Pg. 13)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snaps into trim for consistent lamp positioning
- Overspray protector included

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Compatible Trims**

<table>
<thead>
<tr>
<th>Trim Code</th>
<th>Trim Description</th>
</tr>
</thead>
<tbody>
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<td>5016</td>
<td>5054</td>
</tr>
<tr>
<td>5125</td>
<td></td>
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</tbody>
</table>

**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Compliance**
- cULus Listed 1998 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- IP rated (Improper Lamp)
- RoHS compliant
ESTATNB
5” Non-IC, Air-Tite, New Construction Housing, No Socket Bracket, 120V

The ESTATNB is a compact and efficient recessed housing optimized and listed for EISA compliant, tungsten-halogen, CFL and LED lamps as well as incandescent. The Halo ESTATNB housing is for use in non-insulated ceilings, suitable for residential or light commercial applications; with Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. ESTATNB is designed for use in non-insulated ceilings, if insulation is present it must be kept 3” from all sides of the housing. May be retrofit with compatible Halo LED lighting systems. The ESTATNB can save installation time. It is designed without a socket plate for use with socket supporting trims only. With these trims there is no need to spend time removing the socket plate and the fixed lamp position of socket supporting trims saves on lamp adjustment time too. May be retrofit with Halo LED lighting systems.

Features

Housing
• Single wall die-formed housing
• Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
• Exclusive Air-Tite gasket meets code where required, and seals between housing, frame and finished ceiling - without need for additional caulk
• May be removed from the plaster frame to provide access to junction box

Plaster Frame
• Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 3/8” - 1” ceiling thickness.
• (2) Regressed locking screws for securing hanger bars

Includes:
• All-Nail™ bar hangers (Details Pg. 15)
• q-Channel bar hangers (Details Pg. 15)
• Hinged junction box with Slide-N-Side™ (Details Pg. 15)
• Quick Connect™ push wire nuts (Details Pg. 15)
• Air-Tite™ code compliant (Details Pg. 15)

Socket
• Porcelain socket with nickel plated brass screw shell
• Snap-in socket speeds installation and attaches directly to the trim for consistent lamp positioning
• Shipped with socket overspray protector installed

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Special Features

Compatible Trims

<table>
<thead>
<tr>
<th>Special Features</th>
<th>Compatible Trims</th>
</tr>
</thead>
<tbody>
<tr>
<td>All-Nail™ bar hangers</td>
<td>5000 5020 5060</td>
</tr>
<tr>
<td>q-Channel bars</td>
<td>5130 5150 5186</td>
</tr>
<tr>
<td>Hinged junction box</td>
<td>5001 5021 5070</td>
</tr>
<tr>
<td>with Slide-N-Side™</td>
<td>5135 5162 5222</td>
</tr>
<tr>
<td>Quick Connect™ push wire nuts</td>
<td>5010 5030 5071</td>
</tr>
<tr>
<td>Air-Tite™ code compliant</td>
<td>5145 5165 5230</td>
</tr>
<tr>
<td></td>
<td>5012 5051 5120</td>
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<td>5146 5176 5255</td>
</tr>
<tr>
<td></td>
<td>5016 5054 5125</td>
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</tbody>
</table>

Trims for use in Halo listed housings

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

Compliance

- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

Halo Recessed Catalog - 5” Recessed Downlighting
Specifications, compliances and dimensions subject to change without notice

5 INCH

E26 Screw Base Trims
Non-IC "NB" Housings: H5TNB • E5TATNB

Reflectors

5020 PAR Reflector
- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting integral bracket

Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5TNB</th>
<th>75W PAR30S, 75W PAR30L, 65W BR30, 75W R30</th>
</tr>
</thead>
<tbody>
<tr>
<td>E5TATNB</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5021 Full Reflector
- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- For use with A-lamps
- Socket supporting integral bracket

Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5TNB</th>
<th>60W A19</th>
</tr>
</thead>
<tbody>
<tr>
<td>E5TATNB</td>
<td>75W PAR30L, 65W BR30</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5120 Full Cone Reflector, Self-flange
- Full cone reflector
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H5TNB</th>
<th>60W A19, 75W PAR30S, 65W PAR30L, 65W BR30</th>
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<tbody>
<tr>
<td>E5TATNB</td>
<td>75W PAR30L, 65W BR30</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter
Baffles

5001 PAR Metal Baffle Splay

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
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<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H5TQB</td>
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<tr>
<td>E5TATNB</td>
<td>50W PAR20, 75W PAR30S, 75W PAR30L, 65W BR30</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5012 High Coilex® Baffle

- Straight precision sided trim ring (fixed, not removable)
- Provides ultra deep lamp regression (not compatible with HSTNB)
- Socket supporting
- Torsion spring retention

**Housings Max Lamp Compatibility**

<table>
<thead>
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<th>Housings</th>
<th>Max Lamp Compatibility</th>
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<tbody>
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<td>E5TATNB</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5016 Coilex® Baffle with Reflector

- Straight precision sided trim ring (fixed, not removable)
- Torsion spring retention
- Dual socket position for BR and PAR lamps
- Socket supporting

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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</thead>
<tbody>
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<td>HSTNB</td>
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<tr>
<td>E5TATNB</td>
<td>75W PAR30L, 65W BR30</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice

HALO Halo Recessed Catalog - 5" Recessed Downlighting
**5125 Full Cone Baffle, Self-flange**

- Full cone baffle trim
- Torsion spring retention
- Socket supporting
- Self-flange trim rings sized to hide gaps caused by construction tolerances

**Dimensions**

A: 4-3/4” [121mm]
H: 6-1/4” [160mm]
OD: 6-5/8” [168mm]

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H5TNB</th>
<th>65W A19, 75W PAR30S, 65W BR30</th>
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<tbody>
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<td>75W PAR30L, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**Adjustable – Eyeballs & Gimbals**

**5060 Adjustable Gimbal 20° Tilt, Self-flange**

- Straight precision sided trim ring (fixed, not removable)
- For directional accent lighting
- Torsion spring retention
- 20° tilt - 360° rotation
- Socket supporting

**Dimensions**

H: 3-1/4” [82mm]
OD: 6-3/8” [162mm]

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H5TNB</th>
<th>75W PAR30S</th>
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<td>E5TATNB</td>
<td>75W PAR30S</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**5070 Adjustable Eyeball 30° Tilt, Self-flange**

- Straight precision sided trim ring (fixed, not removable)
- For directional accent lighting
- Torsion spring retention
- 30° tilt - 360° rotation
- Socket supporting

**Dimensions**

A: 3-7/8” [98mm]
H: 3-3/8” [86mm]
OD: 6-3/8” [162mm]

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H5TNB</th>
<th>75W PAR30S</th>
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</thead>
<tbody>
<tr>
<td>E5TATNB</td>
<td>75W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**5071 Adjustable Eyeball 30° Tilt, Self-flange**

- Straight precision sided trim ring (fixed, not removable)
- For directional accent lighting
- Torsion spring retention
- 30° tilt - 360° rotation
- Socket supporting

**Dimensions**

OD: 6-1/2” [165mm]

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H5TNB</th>
<th>50W PAR20, 50W R20</th>
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<tr>
<td>E5TATNB</td>
<td>50W PAR20</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter
5130 Eyeball 35° Tilt, Self-flange

- Adjustable 35° tilt, 360° rotation
- Design optimized for PAR30S (short-neck) lamps
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility
HSTNB 75W PAR30S
ESTATNB

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 3-7/8" [98mm]
H: 2-1/4" [58mm]
OD: 6-5/8" [168mm]

5135 Eyeball 35° Tilt, Self-flange

- Conical adjustable eyeball trim for PAR20 lamps
- Torsion spring retention
- Socket supporting
- 35° tilt, 360° rotation
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility
HSTNB 50W PAR20
ESTATNB

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 2-3/4" [70mm]
H: 2-1/4" [58mm]
OD: 6-5/8" [168mm]

5165 Gimbal 35° Tilt, Self-flange

- Adjustable gimbal trim for PAR30S (short-neck) lamps
- Torsion spring retention
- Socket supporting
- 35° tilt, 360° rotation
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility
HSTNB 75W PAR30S
ESTATNB

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 3-7/8" [98mm]
H: 2-1/4" [58mm]
OD: 6-5/8" [168mm]

5222 Regressed Angle Cut Adjustable Gimbal, 30° Tilt, Self-flange

- Fully regressed gimbal
- Torsion spring retention
- 30° tilt, 360° rotation
- Socket supporting
- Angle cut - cone reflector and baffle options
- Accommodates tilt of gimbal in a full regressed cut cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility
HSTNB 75W PAR30S, 75W PAR30L, 60W PAR16, 50W PAR20
ESTATNB

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 5'127mm
H: 3-1/8" [79mm]
OD: 6-5/8" [168mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
5051 Frosted Glass Lens - Showerlight

- Straight precision sided trim ring
- Frosted glass lens
- “Dead-Front” construction, wet location listed Showerlight
- Non-conductive, non-corrosive gasketed polymer trim ring
- Torsion spring retention

Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>HSTNB</th>
<th>60W A19, 50W PAR30S, 50W PAR30L, 65W BR30</th>
</tr>
</thead>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5054 Frosted Glass Dome Lens

- Frosted glass dome lens
- Straight precision sided trim ring
- “Dead-Front” construction, wet location listed Showerlight
- Non-conductive, non-corrosive gasketed polymer trim ring
- Torsion spring retention

Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>HSTNB</th>
<th>75W A19, 75W PAR30S</th>
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</thead>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5145 Open Wet Location, Shallow, Self-flange

- Open wet location Showerlight for PAR30S and PAR30L outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>HSTNB</th>
<th>75W PAR30S, 75W PAR30L</th>
</tr>
</thead>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

5146 Open Wet Location, Self-flange

- Open wet location Showerlight for PAR30S and PAR30L outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>HSTNB</th>
<th>75W PAR30S, 75W PAR30L</th>
</tr>
</thead>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter
5150 Low Profile, Frosted Glass Dome Lens, Self-flange

- Low profile, frosted glass dome lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer (plastic) trim and glass lens
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility

HSTNB 60W A19, 50W PAR30S
E5TATNB Compatible with Halogen, Incandescent, LED* or CFL* lamps

5162 Drop Opal Plastic Lens, Self-flange

- Drop opal plastic lens
- Wet location Showerlight
- Non-conductive “dead-front” polymer (plastic) trim
- Torsion spring retention
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility

HSTNB 43W A19
E5TATNB Compatible with Halogen, Incandescent, LED* or CFL* lamps

5230 Squircle Frost Glass Lens, Metal Trim, Self-flange

- Low profile frosted glass lens
- Wet location Showerlight
- Torsion spring retention
- Self-flange low profile metal trim ring
- Socket supporting internal bracket
- Integral rotation adjustment up to +/- 25˚ for precise alignment with room
- Integrated socket supporting reflector for illumination across lens corner-to-corner

Housings Max Lamp Compatibility

HSTNB Consult website
E5TATNB www.eaton.com/lighting
Compatible with Halogen, Incandescent, LED* or CFL* lamps

5255 Soft Square, Frost Curved Glass Lens, Self-flange

- Low profile curved frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer plastic trim and glass lens
- Integral rotation adjustment up to +/- 25˚ for precise alignment with room
- Integrated socket supporting reflector for illumination across lens corner-to-corner

Housings Max Lamp Compatibility

HSTNB 60W A19, 60W PAR30S
E5TATNB Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.
**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter
Specifications, compliances and dimensions subject to change without notice
## Open, Splay & Wall Wash

### 5000 PAR Metal Splay, Self-flange
- Straight precision sided trim ring (fixed, not remodelled)
- Open metal splay trim
- Dual socket position socket for BR and PAR lamps
- Torsion spring retention
- Socket supporting

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5TNB</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 75W R30</td>
</tr>
<tr>
<td>E5ATNB</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 5030 Wall Wash with Baffle
- Straight precision sided trim ring
- Designed to spread light closer to the ceiling to eliminate the "cave effect"
- Provides a wash of light
- 360° rotation
- Torsion spring retention
- Socket supporting

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5TNB</td>
<td>60W A19, 50W TB19, 60W BT16, 60W MB19</td>
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<td>E5ATNB</td>
<td>60W A19</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 5176 Open, Wide Self-flange
- Open trim for BR & PAR lamps
- Torsion spring retention
- Socket supporting integral
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5TNB</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
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<tr>
<td>E5ATNB</td>
<td>65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 5186 Splay, Self-flange
- Splay trim for BR & PAR lamps
- Torsion spring retention
- Socket supporting integral
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
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<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
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<tbody>
<tr>
<td>H5TNB</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, D: Depth Profile, H: Height, LH: Lens Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
Halo Recessed Catalog - 6” Recessed Downlighting

- 6" E26 Screw Base
  - IC Housings: 254
  - IC Trims: 260
  - H7UCAT Housings & Trims: 272
  - IC Housings – No Socket Bracket: 285
  - IC Trims – No Socket Bracket: 288
  - IC Shallow Housings: 294
  - IC Shallow Trims: 300
  - Non-IC Housings: 310
  - Non-IC Trims: 315
  - Non-IC Housings – No Socket Bracket: 332
  - Non-IC Trims – No Socket Bracket: 334
  - Non-IC Shallow Housings: 342
  - Non-IC Shallow Trims: 346
  - H47 Series Slope Housings & Trims: 356
  - H645IC Slope Housings & Trims: 360

IC = Insulated Ceiling  Non-IC = Non-Insulated Ceiling
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<thead>
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<th>H71CAT</th>
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## Halo Recessed Catalog - 6” Recessed Downlighting

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H7ICT
6" IC, New Construction, 120V

The H7 recessed housing is the standard in the industry for both light commercial and residential applications. H7 series features full-frame design, robust construction, feed-through listing, Got Nail! bar hangers; and may support use of higher wattage lamps. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. H7ICT is for installations where the housing will be in direct contact with insulation*. H7ICT may be converted into Air-Tite installation when used with Air-Tite trims. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
• Single wall aluminum housing
• Aluminum construction for greater heat dissipation

Socket Plate
• Rigid socket plate adjusts and locks without tools for various lamp sizes
• Socket plate and bracket may be removed when using socket supporting trims

Plaster Frame
• Housing adjusts in plaster frame to accommodate up to 1" ceiling thickness
• Galvanized steel construction
• Plaster frame features include:
  • Regressed locking screw for securing hanger bars
  • Cutouts for easily crimping hanger bars in position
  • Halo name embossed on plaster frame
• The housing may be removed from plaster frame to provide access to the junction box

Includes:
• Got Nail™ bar hangers (Details Pg. 13)
• q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
• Slide-N-Side™ junction box wire traps (Details Pg. 13)
• Quick Connect™ push wire nuts (Details Pg. 13)

Socket
• Porcelain socket with nickel plated brass screw shell
• Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
• Overspray protector included

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Special Features
Got Nail™ bar hangers
q-Channel bars with Pass-N-Thru™
Slide-N-Side™ junction box
Quick Connect™ push wire nuts

Compatible Trims

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*Trims for use in Halo listed housings

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
• cULus Listed 1598 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• cULus Listed for feed through
• cULus Listed for direct contact with insulation and combustible material*
• RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
Halo Recessed Catalog - 6" Recessed Downlighting

6" IC, Air-Tite, New Construction, 120V

The H7 recessed housing is the standard in the industry for both light commercial and residential applications. H7 series features full-frame design, robust construction, feed-through listing, Got Nail! bar hangers; and may support use of higher wattage lamps. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. H7ICAT is for installations where the housing will be in direct contact with insulation,* and its Air-Tite design will also meet restricted air flow code requirements. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
- Single wall aluminum housing
- Aluminum construction for greater heat dissipation
- Sealed and gasketed for Air-Tite™ ready installation
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)

Socket Plate
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

Plaster Frame
- Housing adjusts in plaster frame to accommodate up to 1" ceiling thickness
- Galvanized steel construction
- Plaster frame features include:
  - Regressed locking screw for securing hanger bars
  - Cutouts for easily crimping hanger bars in position
  - Halo name embossed on plaster frame
  - The housing may be removed from plaster frame to provide access to the junction box
  - Pre-installed Air-Tite ready ceiling contact gasket

Includes:
- Got Nail™ bar hangers (Details Pg. 13)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

Socket
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

Thermal Protector
- Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Trims
- Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
H7RICHT

6" IC, Remodel, 120V

The H7 recessed remodel housing is the standard in the industry for both light commercial and residential applications. H7 series remodel housings feature robust construction, full-sized remodel junction box, and may support use of higher wattage lamps. Designed for use in existing ceilings, the remodel housing slips through opening in the finished ceiling. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. The H7RICHT is for installations where the housing will be in direct contact with insulation*. H7RICHT may be converted into Air-Tite installation when used with Air-Tite trims. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
- Single wall aluminum housing
- Aluminum construction for greater heat dissipation
- For installation from below the finished ceiling. Integral flange secures fixture against ceiling.

Socket Plate
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

Junction Box
- Seven 1/2" trade size conduit knockouts with true pry-out slots are positioned to accommodate straight conduit runs
- Four non-metallic (NM) cable pry-outs included

Includes:
- Quick Connect™ push wire nuts (Details Pg. 13)

Remodel Springs
Four remodel springs secure housing and accommodate 1/2" and 5/8" ceiling material

Socket
- Porcelain socket with nickel plated brass shell
- Snap-ins springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- RoHS compliant

* Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

Compatible Trims

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◊ Trims for use in Halo listed housings

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

◊ Air-Tite trims can make the H7RICHT installation ASTM E283 compliant
E26 Screw Base IC Housing

H7RICAT

6" ICAT, Air-Tite, Remodel, 120V

The H7 recessed remodel housing is the standard in the industry for both light commercial and residential applications. H7 series remodel housings feature robust construction, full-sized remodel junction box, and may support use of higher wattage lamps.

Designed for use in existing ceilings, the remodel housing slips through opening in the finished ceiling. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. The H7RICAT remodel housing is for installations where the housing will be in direct contact with insulation,* and its Air-Tite design will also meet restricted air flow code requirements. May be retrofit with compatible Halo LED lighting systems.

### Features

#### Housing
- Aluminum construction for greater heat dissipation
- For installation from below the finished ceiling. Integral flange secures fixture against ceiling.
- Pre-installed Air-Tite ready ceiling contact gasket on flange

#### Socket Plate
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

#### Junction Box
- Seven 1/2” trade size conduit knockouts with true pry-out slots are positioned to accommodate straight conduit runs
- Four non-metallic (NM) cable pry-outs included

#### Includes:
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

#### Remodel Springs
- Four remodel springs secure housing and accommodate 1/2” and 5/8” ceiling material

#### Socket
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

#### Thermal Protector
- Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

#### Trims
- Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

#### Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

### Special Features

- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

### Compatible Trims

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Trims for use in Halo listed housings

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

Specifications, compliances and dimensions subject to change without notice
The E7ICAT is a compact and efficient recessed housing optimized and listed for EISA compliant tungsten-halogen, CFL and LED lamps as well as incandescent. Housing is suitable for residential or light commercial applications. For installation in insulated ceilings* and non-insulated ceilings with Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any décor. May be retrofit with compatible Halo LED lighting systems.

**E7ICAT**

6" IC, Air-Tite, New Construction Housing, 120V

**Features**

**Housing**
- Single wall die-formed aluminum housing
- Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
- Exclusive Air-Tite gasket meets code where required, and seals between housing, frame and finished ceiling - without need for additional caulk
- May be removed from the plaster frame to provide access to junction box

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Plaster Frame**
- Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 3/8” – 1” ceiling thickness.
- (2) Regressed locking screws for securing hanger bars

**Includes:**
- All-Nail™ bar hangers (Details Pg. 15)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 15)
- Hinged junction box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ push wire nuts (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Shipped with socket overspray protector installed

**Thermal Protector**
- Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
- Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Special Features**

**Compatible Trims**

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
E7RICAT

6" IC, Air-Tite, Remodel Housing, 120V

The E7RICAT is a compact and efficient recessed remodel housing optimized and listed for EISA compliant tungsten-halogen, CFL and LED lamps as well as incandescent. Housing is suitable for residential or light commercial applications. For installation in insulated ceilings* and non-insulated ceilings with Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. May be retrofit with compatible Halo LED lighting systems.

**Features**

**Housing**
- Single wall die-formed aluminum housing
- Die formed flange maintains aperture geometry for greater assurance of installation results
- Exclusive Air-Tite gasket meets code where required, and seals between housing, flange and finished ceiling - without need for additional caulk
- For installation from below the finished ceiling. Integral flange secures fixture against ceiling.
- Remodel Retention System - Speed Clamps
  - Exclusive two integral speed clamps securely lock housing to ceiling, accommodating 3/8" to 2" ceiling materials

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Includes:**
- Hinged junction box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ push wire nuts (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Shipped with socket overspray protector installed

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Quick Connect™ Wiring Tray**
- (3) Color coded 4-port push-in wire nuts included
- Captive tray holds push-nuts in place for one-handed connections to line, neutral & ground
- Speeds installation and increases reliability
- No additional wire nuts required

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

*Net to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

**Compatible Trims**

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*Trims for use in Halo listed housings

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

Specifications, compliances and dimensions subject to change without notice
6 INCH

E26 Screw Base Trims
IC Housings: H7ICT • H7ICAT • H7RICT • H7RICAT • E7ICAT • E7RICAT

** Specifications, compliances and dimensions subject to change without notice **

Reflectors

30 Reflector, Self-flange

- Self-flange reflector with torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used
- Socket supporting reflector

Housings | Max Lamp Compatibility
--- | ---
H7ICT | 60W A19, 75W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30, 90W BR40, 75W R30
H7ICAT | 75W PAR30L, 65W PAR38, 65W BR30, 90W BR40
E7ICAT | 75W PAR30L, 65W PAR38, 65W BR30, 90W BR40

Compatible with Halogen, Incandescent, LED* or CFL* lamps

30SBAT Reflector, Self-flange

Housings | Max Lamp Compatibility
--- | ---
H7ICT | 60W A19, 50W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30, 75W R30, 65W BR40
H7ICAT | 75W PAR30L, 65W PAR38, 45W BR30, 65W BR40, 50W R30, 65W R40
E7ICAT | 75W PAR30L, 65W PAR38, 65W BR30, 65W BR40

Compatible with Halogen, Incandescent, LED* or CFL* lamps

404 Specular Reflector

Housings | Max Lamp Compatibility
--- | ---
H7ICT | 60W A19
H7ICAT | 50W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30, 75W R30, 65W BR40
E7ICAT | 40C, 40H: 53W A19
404SN, 404TBZ: 43W A19

Compatible with Halogen, Incandescent, LED* or CFL* lamps

426 Reflector Cone

Housings | Max Lamp Compatibility
--- | ---
H7ICT | 50W PAR30S, 75W PAR30L, 65W BR30, 75W R30, 65W BR40
H7ICAT | 75W PAR30L, 65W PAR38, 65W BR30, 85W BR40
E7ICAT | 75W PAR30L, 65W PAR38, 65W BR30, 85W BR40

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

** Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
E26 Screw Base Trims

IC Housings: H7ICT • H7ICAT • H7RICAT • E7ICAT • E7RICAT

6 INCH

### 429 Dayform White Cone
- Contoured sides shield interior view of housing
- Removable trim ring
- Accessories available: 7RM6 designer trim rings, OT403 oversize trim ring

#### Housings Max Lamp Compatibility
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Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 4041 White Reflector, Self-flange
- Self-flange full reflector for use with A-lamps
- Friction clip retention on housing plaster ring
- Accessories available: OT403 oversize trim ring
- Socket supporting reflector

#### Housings Max Lamp Compatibility
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<th>Max Lamp Compatibility</th>
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</thead>
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<td>H7RICAT 53W A19</td>
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Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 4261 White Reflector Cone, Self-flange
- Self-flange reflector cone for use with R and PAR lamps
- Coil spring retention

#### Housings Max Lamp Compatibility
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<thead>
<tr>
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<th>Max Lamp Compatibility</th>
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</thead>
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<td>E7ICAT</td>
<td>E7RICAT 50W PAR30S, 75W PAR30L, 45W PAR38, 65W BR30, 85W BR40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 6106 Straight Reflector Cone, Self-flange
- Straight sides of cone reflector for large diameter BR40 and PAR38, as well as BR30 and PAR30 lamps
- Self-flange reflector cone
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Housings Max Lamp Compatibility
<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7ICT</td>
<td>H7RICAT 60W PAR30S, 75W PAR30L, 45W PAR38, 65W BR30, 80W BR40</td>
</tr>
<tr>
<td>H7ICAT</td>
<td>H7RICAT 60W PAR30S, 75W PAR30L, 45W PAR38, 65W BR30, 80W BR40</td>
</tr>
<tr>
<td>E7ICAT</td>
<td>E7RICAT 60W PAR30S, 75W PAR30L, 45W PAR38, 65W BR30, 80W BR40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 6107 Tapered Reflector, Self-flange
- Self-flange reflector cone
- Contoured tapered sides of cone reflector for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Housings Max Lamp Compatibility
<table>
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</thead>
<tbody>
<tr>
<td>H7ICT</td>
<td>H7RICAT 50W PAR30S, 75W PAR30L, 65W BR30, 85W BR40</td>
</tr>
<tr>
<td>H7ICAT</td>
<td>H7RICAT 50W PAR30S, 75W PAR30L, 65W BR30, 85W BR40</td>
</tr>
<tr>
<td>E7ICAT</td>
<td>E7RICAT 50W PAR30S, 75W PAR30L, 65W BR30, 85W BR40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
6120 Full Cone Reflector, Self-flange

- Full cone reflector
- Torsion spring retention
- Socket supporting reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances
- Makes installation Air-Tite regardless of housing used

Housings | Max Lamp Compatibility
---|---
H7ICT H7RICT | 6120WH: 43W A19, 75W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30, 70W BR40
H7ICAT H7RICAT | 6120SN, 6120TBZ:
- 43W A19, 60W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30, 70W BR40
E7ICAT E7RICAT | Compatible with Halogen, Incandescent, LED* or CFL* lamps

6121 Shallow Full Cone Reflector, Self-flange

- Shallow full cone reflector
- Torsion spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
---|---
H7ICT H7RICT | 6121WH: 43W A19, 75W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30
H7ICAT H7RICAT | 6120SN, 6120TBZ:
- 43W A19, 60W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30, 70W BR40
E7ICAT E7RICAT | Compatible with Halogen, Incandescent, LED* or CFL* lamps

Baffles

30 Baffle, Self-flange

- Self-flange metal baffle with upper reflector
- Socket supporting baffle
- Torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used

Housings | Max Lamp Compatibility
---|---
H7ICT H7RICT | 30WBAT: 40W A19, 75W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30, 90W BR40, 75W R30
H7ICAT H7RICAT | 30WATH, 30WATH, 30PAT:
- 40W A19, 75W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30, 90W BR40
- 30SNAT, 30SNAT:
- 40W A19, 60W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30, 90W BR40
E7ICAT E7RICAT | Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
- A: 5-3/8” [137mm]
- H: 5-3/8” [138mm]
- OD: 7-3/4” [197mm]

**UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.
**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

262 HALO Halo Recessed Catalog - 6” Recessed Downlighting
### 310 Coilex® Baffle
- Black or white phenolic Coilex baffle with white metal trim rings
- Accessories available: TRM6 designer trim rings, CT403 oversize trim rings
- Coil spring retention

<table>
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</thead>
<tbody>
<tr>
<td>H7ICT</td>
<td>50W PAR30S, 75W PAR30L, 45W PAR38, 65W BR30, 75W BR30, 85W BR40</td>
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<tr>
<td>H7RICT</td>
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<tr>
<td>H7ICAT</td>
<td>50W PAR30S, 75W PAR30L, 45W PAR38, 65W BR30, 85W BR40</td>
</tr>
<tr>
<td>H7RICAT</td>
<td>50W PAR30S, 75W PAR30L, 45W PAR38, 65W BR30, 85W BR40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**H930 (H7 Housings ONLY) PAR lamp aiming accessory for 310 and 426 trims. Allows 30° tilt and 358° rotation. 50W PAR30.**

### 353 Metal Baffle
- Metallic finish trim rings and baffles
- Coil spring retention
- Removable trim ring

<table>
<thead>
<tr>
<th>Housings</th>
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</thead>
<tbody>
<tr>
<td>H7ICT</td>
<td>50W PAR30S, 75W PAR30L, 45W PAR38, 65W BR30, 75W BR30</td>
</tr>
<tr>
<td>H7RICT</td>
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</tr>
<tr>
<td>H7ICAT</td>
<td>50W PAR30S, 75W PAR30L, 45W PAR38, 65W BR30</td>
</tr>
<tr>
<td>H7RICAT</td>
<td>50W PAR30S, 75W PAR30L, 45W PAR38, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- H: 3-1/16" [76mm]
- OD: 7-1/4" [184mm]

### 6100 Tapered Metal Baffle with (2) Trim Rings
- Contoured tapered sides of metal baffle
- Two plastic removable trim rings included narrow 7.25"OD and wide oversized 8.00"OD
- Coil spring retention

<table>
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<tr>
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<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H7ICT</td>
<td>50W PAR30S, 75W PAR30L, 65W BR30, 85W BR40</td>
</tr>
<tr>
<td>H7RICT</td>
<td>50W PAR30S, 75W PAR30L, 65W BR30, 85W BR40</td>
</tr>
<tr>
<td>H7ICAT</td>
<td>50W PAR30S, 75W PAR30L, 65W BR30, 85W BR40</td>
</tr>
<tr>
<td>H7RICAT</td>
<td>50W PAR30S, 75W PAR30L, 65W BR30, 85W BR40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- A: 5-3/4" [148mm]
- H: 2-7/8" [74mm]
- OD: 7-1/4" [184mm] Narrow
- OD: 8" [203mm] Wide

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.

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Halo Recessed Catalog - 6" Recessed Downlighting
6 INCH

HALO Recessed Catalog - 6” Recessed Downlighting

Specifications, compliances and dimensions subject to change without notice

6101 Straight Metal Baffle with (2) Trim Rings

- Straight sides of metal baffle for large diameter lamps
- Two plastic removable trim rings included narrow 7.25” OD and wide 8.00” OD
- Coil spring retention

<table>
<thead>
<tr>
<th>Max Lamp Compatibility</th>
<th>Housings</th>
</tr>
</thead>
<tbody>
<tr>
<td>50W PAR30S, 75W PAR30L,</td>
<td>H7ICT</td>
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<tr>
<td>45W PAR38, 65W BR30,</td>
<td>H7ICAT</td>
</tr>
<tr>
<td>40W BR40</td>
<td>E7ICAT</td>
</tr>
</tbody>
</table>

6102 Tapered Metal Baffle, Self-flange

- Contoured tapered sides of metal baffle
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Max Lamp Compatibility</th>
<th>Housings</th>
</tr>
</thead>
<tbody>
<tr>
<td>50W PAR30S, 75W PAR30L,</td>
<td>H7ICT</td>
</tr>
<tr>
<td>45W PAR38, 65W BR30,</td>
<td>H7ICAT</td>
</tr>
<tr>
<td>40W BR40</td>
<td>E7ICAT</td>
</tr>
</tbody>
</table>

6103 Straight Metal Baffle, Self-flange

- Straight sides of metal baffle for large diameter lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Max Lamp Compatibility</th>
<th>Housings</th>
</tr>
</thead>
<tbody>
<tr>
<td>50W PAR30S, 75W PAR30L,</td>
<td>H7ICT</td>
</tr>
<tr>
<td>45W PAR38, 65W BR30,</td>
<td>H7ICAT</td>
</tr>
<tr>
<td>40W BR40</td>
<td>E7ICAT</td>
</tr>
</tbody>
</table>

6108 Coilex® Straight Plastic Baffle, Self-flange

- Straight sides of Coilex baffle for large diameter lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Max Lamp Compatibility</th>
<th>Housings</th>
</tr>
</thead>
<tbody>
<tr>
<td>39W PAR30S, 75W PAR30L,</td>
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</tr>
<tr>
<td>45W PAR38, 65W BR30,</td>
<td>HICAT</td>
</tr>
<tr>
<td>40W BR40</td>
<td>E7ICAT</td>
</tr>
</tbody>
</table>

6109 Coilex® Tapered Baffle, Self-flange

- Contoured tapered sides of Coilex baffle
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Max Lamp Compatibility</th>
<th>Housings</th>
</tr>
</thead>
<tbody>
<tr>
<td>50W PAR30S, 75W PAR30L,</td>
<td>H7ICT</td>
</tr>
<tr>
<td>45W PAR38, 65W BR30,</td>
<td>H7ICAT</td>
</tr>
<tr>
<td>85W BR40</td>
<td>E7ICAT</td>
</tr>
</tbody>
</table>

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.
**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
**6110 Perfex™ Baffle, Self-flange**
- Perforated pattern baffle contoured for BR30 and PAR30 lamps
- Torsion spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings** | **Max Lamp Compatibility**
--- | ---
H7ICT | H7RICT 50W PAR30S, 60W PAR30L, 65W BR30
H7ICAT | H7RICAT
E7ICAT | E7RICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

**6125 Full Cone Baffle, Self-flange**
- Full cone baffle
- Torsion spring retention
- Socket supporting baffle
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings** | **Max Lamp Compatibility**
--- | ---
H7ICT | H7RICT 6125WB: 43W A19, 75W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30, 90W BR40
H7ICAT | H7RICAT 6125BB, 6125BB: 43W A19, 75W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30, 85W BR40
E7ICAT | E7RICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

**6126 Shallow Full Cone Baffle, Self-flange**
- Shallow full cone baffle
- Torsion spring retention
- Socket supporting baffle
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings** | **Max Lamp Compatibility**
--- | ---
H7ICT | H7RICT 6126WB: 43W A19, 75W PAR30S, 75W PAR30L, 65W PAR38, 65W BR30, 90W BR40
H7ICAT | H7RICAT
E7ICAT | E7RICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Adjustable – Eyeballs & Gimbals**

**74 Eyeball 30°Tilt, Self-flange**
- Provides optimum position for PAR30S lamps
- Torsion spring retention
- Socket supporting eyeball

**Housings** | **Max Lamp Compatibility**
--- | ---
H7ICT | H7RICT 74P: White Eyeball, White Trim
H7ICAT | H7RICAT
E7ICAT | E7RICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
76 Gimbal 30° Tilt, Self-flange

- For use with PAR38 lamps
- 30° tilt
- Torsion spring retention

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7ICT</th>
<th>H7RIC</th>
<th>H7CAT</th>
<th>H7RICAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>45W PAR38</td>
<td>45W PAR38</td>
<td>50W PAR38, 50W PAR30L</td>
<td>50W PAR38, 50W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

OD: 8" [203mm]

78 Eyeball 30° Tilt, Self-flange

- 30° tilt, 360° rotation
- Torsion spring retention
- Wide choice of finishes for any decor
- Socket supporting eyeball
- 78PAT makes installation Air-Tite regardless of housing used

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7ICT</th>
<th>H7RIC</th>
<th>H7CAT</th>
<th>H7RICAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35W PAR38</td>
<td>35W PAR38</td>
<td>50W PAR38, 50W PAR30L</td>
<td>50W PAR38, 50W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

A: 4" [100mm]
H: 4-1/8" [105mm]
OD: 8" [203mm]

376 Regressed Gimbal 30° Tilt, Self-flange

- 30° tilt
- Regressed gimbal with baffle
- Torsion spring retention
- Socket supporting gimbal

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
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<th>H7RIC</th>
<th>H7CAT</th>
<th>H7RICAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>45W PAR38</td>
<td>45W PAR38</td>
<td>50W PAR38, 50W PAR30L</td>
<td>50W PAR38, 50W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

OD: 7-1/4" [184mm]

378 Regressed Gimbal with Splay 25° Tilt, Self-flange

- 25° tilt
- Regressed gimbal with splay trim
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Friction clips on trim
- Socket supporting gimbal

**Housings Max Lamp Compatibility**

<table>
<thead>
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<th>H7RIC</th>
<th>H7CAT</th>
<th>H7RICAT</th>
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<tbody>
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<td>35W PAR38</td>
<td>35W PAR38</td>
<td>50W PAR38, 50W PAR30L</td>
<td>50W PAR38, 50W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

OD: 7-1/4" [184mm]

420 Regressed Eyeball 30° Tilt, Self-flange

- Regressed eyeball with baffle splay
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Socket supporting eyeball

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
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<th>H7RIC</th>
<th>H7CAT</th>
<th>H7RICAT</th>
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</thead>
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<td>50W PAR38, 50W PAR30L</td>
<td>50W PAR38, 50W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

A: 4" [100mm]
H: 4" [102mm]
OD: 7-1/4" [184mm]

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
E26 Screw Base Trims
IC Housings: H7ICT • H7ICAT • H7RICAT • H7RICAT • E7ICAT • E7RICAT

478 Adjustable Regressed Gimbal with Splay 25° Tilt, Self-flange

- 25° tilt
- Adjustable gimbal with splay trim for PAR38 lamps
- Removable trim ring
- Accessories available: TRMS designer trim rings, OT403 oversize trim ring
- Friction clips on trim
- Socket supporting gimbal

Housings | Max Lamp Compatibility
--- | ---
H7ICT | H7RICAT
H7ICAT | H7RICAT | 45W PAR38
E7ICAT | E7RICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
OD: 7-1/4" [184mm]

6130 Eyeball 35° Tilt, Self-flange

- 35° tilt, 360° rotation
- Adjustable eyeball trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting eyeball
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
--- | ---
H7ICT | H7RICAT
H7ICAT | H7RICAT | 60W PAR30S, 75W PAR30L, 65W BR30
E7ICAT | E7RICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 3-7/8" [100mm]
H: 3-7/8" [100mm]
OD: 7-3/4" [197mm]

6170 Gimbal 25° Tilt, Self-flange

- 25° tilt, 360° rotation
- Adjustable gimbal for PAR38 lamps
- Torsion spring retention
- Socket supporting gimbal
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
--- | ---
H7ICT | H7RICAT
H7ICAT | H7RICAT | 45W PAR38
E7ICAT | E7RICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 4-1/2" [113mm]
H: 1-1/8" [30mm]
OD: 7-3/4" [197mm]

6215 Double Gimbal 30°-50° Tilt, Self-flange

- 30°-50° tilt, 360° rotation
- 50° tilt with double gimbal design using compound angles
- Double gimbal for PAR30 lamps
- Torsion spring retention
- Shallow housings are compatible with PAR30S (short-neck) lamps
- Socket supporting gimbal
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
--- | ---
H7ICT | H7RICAT
H7ICAT | H7RICAT | 60W PAR30S, 60W PAR30L
E7ICAT | E7RICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 3-3/8" [84mm]
H: 2" [51mm]
OD: 7-3/4" [197mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

** Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
E26 Screw Base Trims

IC Housings: H7ICT • H7ICAT • H7RICT • H7RICAT • E7ICAT • E7RICAT

6222 Regressed Angle Cut Adjustable Gimbal, 45° Tilt, Self-flange

- 45° tilt, 360° rotation
- Fully regressed gimbal – self-flange ring
- Torsion spring retention
- Socket supporting gimbal
- Reflector and baffle options
- Accommodates tilt of gimbal in a full regressed cut cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings  Max Lamp Compatibility

H7ICT  H7RICT
H7ICAT  H7RICAT
E7ICAT  E7RICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Lenses & Wet Location Showerlights

170 Albalite Lens with Reflector

- White trim with Albalite glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is "dead-front" construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite, making any installation Air-Tite

Housings  Max Lamp Compatibility

H7ICT  H7ICT
H7RCAT  H7RICAT
E7ICAT  E7RICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

171 Drop Opal Glass Lens with Reflector

- White trim with drop opal glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is "dead-front" construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite, making any installation Air-Tite

Housings  Max Lamp Compatibility

H7ICT  H7ICT
H7RCAT  H7RICAT
E7ICAT  E7RICAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
## 172 Dome Glass Lens with Reflector
- Frosted glass dome
- Features "dead-front" construction and is wet location listed for use in showers
- Non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- Torsion spring retention
- Air-Tite trim makes any installation Air-Tite

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7 ICT</th>
<th>H7 ICAT</th>
<th>H7RICT</th>
<th>H7 RICAT</th>
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<tbody>
<tr>
<td>H7 ICT</td>
<td>H7 ICAT</td>
<td>60W A19, 50W PAR30S</td>
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<tr>
<td>H7RICT</td>
<td>H7 RICAT</td>
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<tr>
<td>E7 ICAT</td>
<td>E7 RICAT</td>
<td>172PS: 53W A19, 50W PAR30S</td>
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<td>172PSN, 172TBZS: 42W A19, 50W PAR30S</td>
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</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions**
- H: 2-1/8" [54mm]
- OD: 7-3/4" [197mm]

## 173 Fresnel Lens with Reflector
- White trim with glass Fresnel lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is "dead-front" construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7 ICT</th>
<th>H7 ICAT</th>
<th>H7RICT</th>
<th>H7 RICAT</th>
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<td>29W A19</td>
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</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions**
- H: 4" [102mm]
- OD: 8" [203mm]

## 6145 Open Wet Location, Shallow Reflector, Self-flange
- Open wet location shallow Showerlight for PAR30 and PAR38 outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7 ICT</th>
<th>H7 ICAT</th>
<th>H7RICT</th>
<th>H7 RICAT</th>
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</thead>
<tbody>
<tr>
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<td>H7 ICAT</td>
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<tr>
<td>E7 ICAT</td>
<td>E7 RICAT</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- A: 5-3/8" [136mm]
- D: 7/8" [22mm]
- H: 4-7/8" [123mm]
- OD: 7-3/4" [197mm]

## 6146 Open Wet Location, Full Reflector Self-flange
- Open wet location Showerlight for PAR30 and PAR38 outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7 ICT</th>
<th>H7 ICAT</th>
<th>H7RICT</th>
<th>H7 RICAT</th>
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</thead>
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<tr>
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<td>H7 RICAT</td>
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<tr>
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<td>E7 RICAT</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- A: 5-3/8" [136mm]
- H: 5-3/8" [138mm]
- OD: 7-3/4" [197mm]

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**
- A: Luminous Aperture
- H: Height
- OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
6150 Low Profile, Frosted Glass Dome Lens, Self-flange

- Low profile, frosted glass dome lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive "dead-front" polymer (plastic) trim ring and glass lens
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
--- | ---
H7ICT | H7ICAT
H7RICT | H7RICAT 29W A19, 39W PAR30S
E7ICAT | E7RICAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6162 Drop Opal Plastic Lens, Self-flange

- Wet location Showerlight
- Non-conductive "dead-front" polymer (plastic) trim and plastic lens
- Torsion spring retention
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
--- | ---
H7ICT | H7ICAT
H7RICT | H7RICAT 29W A19
E7ICAT | E7RICAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6255 Soft Square, Frosted Curved Glass Lens, Self-flange

- Low profile curved frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Integral adjustment up to 90° for precise alignment to room
- Non-conductive "dead-front" polymer (plastic) trim ring and glass lens
- Integral rotation adjustment up to +/- 25° for precise alignment with room
- Integrated socket supporting reflector for even illumination across lens corner-to-corner

Housings | Max Lamp Compatibility
--- | ---
H7ICT | H7ICAT
H7RICT | H7RICAT 29W A19, 39W PAR30S
E7ICAT | E7RICAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps
Open, Splay & Wall Wash

300 Open Trim with Fixed Socket Bracket

- Open trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting internal bracket

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H7ICT</td>
<td>H7ICAT 75W PAR30S, 75W PAR30L</td>
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<tr>
<td>H7RICT</td>
<td>H7RICAT 65W BR30</td>
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<td>E7ICAT</td>
<td>E7RICAT 300P, 75W PAR30S, 75W PAR30L</td>
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<tr>
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<td>60W PAR30, 65W BR30</td>
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<tr>
<td></td>
<td>300SN, 300TBZ: 60W PAR30S, 60W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

300P Socket Bracket with White Open Trim
300SN Socket Bracket with Satin Nickel Open Trim
300TBZ Socket Bracket with Tuscan Bronze Open Trim

Dimensions**
A: 4-3/4” [122mm]
H: 4-3/4” [122mm]
OD: 7-1/4” [184mm]

327 White Splay Trim with Fixed Socket Bracket

- Splay trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting internal bracket

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<th>Housings</th>
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<tbody>
<tr>
<td>H7ICT</td>
<td>H7ICAT 75W PAR30S, 75W PAR30L</td>
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<tr>
<td>H7RCT</td>
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<td>E7ICAT</td>
<td>E7RICAT 327P</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

327P White Splay Trim with Socket Bracket

Dimensions**
H: 4-1/2” [114mm]
OD: 7-3/4” [197mm]

328 White Splay Trim

- Splay trim for BR30 and PAR30 lamps
- Coil spring retention

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<thead>
<tr>
<th>Housings</th>
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<tbody>
<tr>
<td>H7ICT</td>
<td>H7ICAT 60W PAR30S, 75W PAR30L</td>
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<tr>
<td>H7RCT</td>
<td>H7RICAT 65W BR30, 75W R30</td>
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<td>E7ICAT</td>
<td>E7RICAT 328P</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

328P White Splay Trim

Dimensions**
H: 3-7/8” [98mm]
OD: 7-3/4” [197mm]

430 Wall Wash with Baffle & Full Reflector

- Black or white step baffle with full reflector
- Designed to spread light close to the ceiling to eliminate the “cave effect”
- Torsion spring retention
- Makes installation Air-Tite regardless of housing used

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H7ICT</td>
<td>H7ICAT 40W A19</td>
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<tr>
<td>H7RCT</td>
<td>H7RICAT 26W A19</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

430W White Baffle, White Trim
430P Black Baffle, White Trim

Dimensions**
H: 5” [127mm]
OD: 7-1/4” [184mm]
The H7UICAT universal housing is designed to support the use of higher wattage lamps than single wall housings (depending upon the trim). The H7 recessed housing is the standard in the industry for both light commercial and residential applications. H7 series features full-frame design, robust construction, feed-through listing, and Got Nail! bar hangers. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. H7UICAT is for installations where the housing will be in direct contact with insulation,* and its Air-Tite design will also meet restricted air flow code requirements. May be retrofit with compatible Halo LED lighting systems.

### Features

#### Housing
- Double wall aluminum construction for greater heat dissipation, and support of higher wattage lamps
- The inner housing can be removed from plastic frame for junction box access
- Pre-installed Air-Tite ready ceiling contact gasket
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
- Sealed and gasketed for Air-Tite ready installation

#### Plaster Frame
- Housing adjusts in plaster frame 1-3/8” to accommodate different ceiling thicknesses. Galvanized steel construction. Plaster frame features include:
  - Regressed locking screw for securing hanger bars
  - Cutouts for easily crimping hanger bars in position
  - Halo name embossed on plaster frame

#### Includes:
- Got Nail!™ bar hangers (Details Pg. 13)
- Pass-N-Thru™ bars (Details Pg. 7)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

#### Socket
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

#### Thermal Protector
- Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

#### Trims
- Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

### Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283, not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
### Reflectors

#### 30 Reflector, Self-flange
- Self-flange reflector with torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used
- Socket supporting reflector

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>100W A19, 75W PAR30S, 75W PAR30L, 100W PAR38, 85W BR30, 100W R30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 30SBAT Reflector, Self-flange
- Self-flange reflector with torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used
- Socket supporting reflector

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
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</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>60W A19, 75W PAR30S, 75W PAR30L, 75W PAR38, 85W BR30, 100W R30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 404 Specular Reflector
- Full reflector for use with A-lamps
- Friction clip retention on housing plaster ring
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Socket supporting reflector

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<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H7UICAT</td>
<td>100W A19</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 426 Reflector Cone
- Accepts a wide variety of lamps
- Coil spring retention
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
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</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>75W PAR30S, 75W PAR30L, 100W PAR38, 85W BR30, 100W R30, 100W R40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**429 Dayform White Cone, Self-flange**
- Contoured sides shield interior view of housing
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring

**Housing** | **Max Lamp Compatibility**
--- | ---
H7UICAT | 75W PAR30S, 75W PAR30L, 90W PAR38, 65W BR30, 90W BR40, 75W R30, 100W R40

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- H: 3' [76mm]
- OD: 7-1/4” [184mm]

**4041 White Reflector, Self-flange**
- Self-flange reflector for use with A-lamps
- Friction clip retention on housing plaster ring
- Accessories available: OT403 oversize trim ring
- Socket supporting reflector

**Housing** | **Max Lamp Compatibility**
--- | ---
H7UICAT | 100W A19

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- H: 5-1/4” [133mm]
- OD: 7-1/4” [184mm]

**4261 White Reflector Cone, Self-flange**
- Self-flange reflector cone for use with R and PAR lamps
- Coil spring retention

**Housing** | **Max Lamp Compatibility**
--- | ---
H7UICAT | 75W PAR30S, 75W PAR30L, 90W PAR38, 65W BR30, 90W BR40, 100W R30, 100W R40

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- H: 2-5/8” [67mm]
- OD: 7-1/4” [184mm]

**6106 Straight Reflector Cone, Self-flange**
- Straight sides of cone reflector for large diameter BR40 and PAR30, as well as BR30 and PAR30 lamps
- Self-flange reflector cone
- Coil spring retention
- Slightly oversized ring expands coverage of ceiling gaps and cut-out errors

**Housing** | **Max Lamp Compatibility**
--- | ---
H7UICAT | 75W PAR30S, 75W PAR30L, 90W PAR38, 65W BR30, 90W BR40

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- A: 5-3/8” [137mm]
- H: 2-5/8” [68mm]
- OD: 7-3/4” [197mm]

**6107 Tapered Reflector, Self-flange**
- Self-flange reflector cone
- Contoured tapered sides of cone reflector for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housing** | **Max Lamp Compatibility**
--- | ---
H7UICAT | 75W PAR30S, 75W PAR30L, 65W BR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- A: 5-3/8” [137mm]
- H: 2-5/8” [65mm]
- OD: 7-3/4” [197mm]

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
E26 Screw Base Trims
IC Housing: H7UICAT

6120 Full Cone Reflector, Self-flange

- Full cone reflector
- Torsion spring retention
- Socket supporting reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances
- Makes installation Air-Tite regardless of housing used

Housing | Max Lamp Compatibility
--- | ---
H7UICAT | 72W A19, 75W PAR30S, 75W PAR30L, 85W BR30, 90W PAR38, 90W BR40
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 5-3/8" [137mm]
H: 5-3/8" [138mm]
OD: 7-3/4" [197mm]

6121 Shallow Full Cone Reflector, Self-flange

- Shallow full cone reflector
- Torsion spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housing | Max Lamp Compatibility
--- | ---
H7UICAT | 72W A19, 75W PAR30S, 75W PAR30L, 85W BR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 5-3/8" [137mm]
H: 4-3/8" [110mm]
OD: 7-3/4" [197mm]

Baffles

30 Baffle, Self-flange

- Self-flange metal baffle, with upper reflector
- Socket supporting baffle
- Torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used

Housing | Max Lamp Compatibility
--- | ---
H7UICAT | 75W A19, 75W PAR30S, 75W PAR30L, 100W PAR38, 85W BR30, 100W R30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
H: 5" [127mm]
OD: 7-1/4" [184mm]

310 Coilex® Baffle

- Black or white phenolic Coilex baffle with white metal trim ring
- Removable trim ring
- Accessories available: TRMS designer trim rings, OT403 oversize trim ring
- Coil spring retention

Housing | Max Lamp Compatibility
--- | ---
H7UICAT | 75W PAR30S, 75W PAR30L, 90W PAR38, 65W BR30, 90W BR40, 75W R30, 100W R40
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
H: 3-1/16" [78mm]
OD: 7-1/4" [184mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
Specifications, compliances and dimensions subject to change without notice
353 Metal Baffle

- Metallic finish trim rings and baffles
- Coil spring retention
- Removable trim ring

<table>
<thead>
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<tbody>
<tr>
<td>H7UICAT</td>
<td>75W PAR30S, 75W PAR30L, 90W PAR38, 65W BR30, 90W R40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**UL**1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

6100 Tapered Metal Baffle with (2) Trim Rings

- Contoured tapered sides of metal baffle for BR30 and PAR30 lamps
- Two plastic removable trim rings included narrow 7.25” OD and wide oversized 8.00” OD
- Coil spring retention

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<tr>
<td>H7UICAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 90W R40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6101 Straight Metal Baffle with (2) Trim Rings

- Straight sides of metal baffle for large diameter lamps
- Two plastic removable trim rings included narrow 7.25” OD and wide 8.00” OD
- Coil spring retention

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<tbody>
<tr>
<td>H7UICAT</td>
<td>75W PAR30S, 75W PAR30L, 90W PAR38, 65W BR30, 90W R40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6102 Tapered Metal Baffle, Self-flange

- Contoured tapered sides of metal baffle
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

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<tbody>
<tr>
<td>H7UICAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 90W R40</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL**1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
E26 Screw Base Trims
IC Housing: H7UICAT

6103 Straight Metal Baffle, Self-flange

- Straight sides of metal baffle for large diameter lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housing Max Lamp Compatibility**

H7UICAT 75W PAR30S, 75W PAR30L, 90W PAR38, 65W BR30, 90W BR40

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6108 Coilex® Straight Plastic Baffle, Self-flange

- Straight sides of Coilex baffle for large diameter BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housing Max Lamp Compatibility**

H7UICAT 60W PAR30S, 75W PAR30L, 90W PAR38, 65W BR30, 70W BR40

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6109 Coilex® Tapered Baffle, Self-flange

- Contoured tapered sides of Coilex baffle for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housing Max Lamp Compatibility**

H7UICAT 50W PAR30S, 75W PAR30L, 45W PAR38, 65W BR30, 85W BR40

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6125 Full Cone Baffle, Self-flange

- Full cone baffle
- Torsion spring retention
- Socket supporting baffle
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housing Max Lamp Compatibility**

H7UICAT 72W A19, 75W PAR30S, 75W PAR30L, 85W BR30, 90W PAR38, 90W BR40

Compatible with Halogen, Incandescent, LED* or CFL* lamps

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warrant the lamp.

**Key:**
- **A:** Luminous Aperture
- **H:** Height
- **OD:** Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
6126 Shallow Full Cone Baffle, Self-flange

- Shallow full cone baffle for A19 and PAR30 lamps
- Torsion spring retention
- Socket supporting baffle
- Self-flange trim ring sized to hide gaps caused by construction tolerances

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<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H7UICAT</td>
<td>72W A19, 75W PAR30S, 75W PAR30L, 85W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6126WB White Baffle, White Self-flange
6126BB Black Baffle, White Self-flange

**Dimensions**
- A: 5-3/8" [137mm]
- H: 4-3/8" [110mm]
- OD: 7-3/4" [197mm]

Adjustable – Eyeballs & Gimbals

74 Eyeball 30° Tilt, Self-flange

- Provides optimum position for PAR30S lamps
- Torsion spring retention
- Socket supporting eyeball

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>75W PAR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

74P White Eyeball, White Trim

**Dimensions**
- A: 3-7/8" [98mm]
- OD: 8" [203mm]

76 Gimbal 30° Tilt, Self-flange

- For use with PAR38 lamps
- 30° tilt
- Torsion spring retention

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>45W PAR38 (Side prong lamp recommended)</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

76P White Gimbal, White Trim

**Dimensions**
- OD: 8" [203mm]

78 Eyeball 30° Tilt, Self-flange

- 30° tilt, 360° rotation
- Torsion spring retention
- Wide choice of finishes for any decor
- Socket supporting eyeball
- 78PAT makes installation Air-Tite regardless of housing used

<table>
<thead>
<tr>
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<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>75W PAR30S, 75W PAR30L, 85W BR30, 100W R30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

78P White Eyeball, White Trim
78PAT White Eyeball, White Trim
78SN Satin Nickel Eyeball, Satin Nickel Trim
78TBZ Tuscan Bronze Eyeball, Tuscan Bronze Trim

**Dimensions**
- A: 4" [100mm]
- H: 4-1/8" [105mm]
- OD: 8" [203mm]

376 Regressed Gimbal 30° Tilt, Self-flange

- 30° tilt
- Regressed gimbal with baffle
- Torsion spring retention
- Socket supporting gimbal

<table>
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<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>75W PAR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

376W White Baffle, White Trim
376P Black Baffle, White Trim

**Dimensions**
- OD: 7-1/4" [184mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
E26 Screw Base Trims
IC Housing: H7UICAT

378 Regressed Gimbal with Splay 25° Tilt, Self-flange

- 25° tilt
- Regressed gimbal with splay trim
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Friction clips on trim
- Socket supporting gimbal

Housing Max Lamp Compatibility
H7UICAT 75W PAR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
OD: 7-1/4" [184mm]

378P White Splay, White Trim
378 Specular Clear Splay, White Trim

Friction Clips on Trim

419 Regressed Eyeball with Splay 25° Tilt

- Regressed eyeball for use with splay
- 25° Tilt, 358° rotation
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Removable trim ring
- Socket supporting trim

Housing Max Lamp Compatibility
H7UICAT 75W PAR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
OD: 7-1/4" [184mm]

419P White Eyeball & Splay, White Trim

420 Regressed Eyeball 30° Tilt, Self-flange

- Regressed eyeball with baffle
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Socket supporting eyeball

Housing Max Lamp Compatibility
H7UICAT 75W PAR30, 75W PAR30L, 65W BR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 4" [100mm]
H: 4" [102mm]
OD: 7-1/4" [184mm]

420W White Eyeball & Baffle, White Trim
420P White Eyeball & Black Baffle, White Trim

6130 Eyeball 35° Tilt, Self-flange

- 35° tilt, 360° rotation
- Adjustable eyeball trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting eyeball
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housing Max Lamp Compatibility
H7UICAT 75W PAR30S, 75W PAR30L, 65W BR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 3-7/8" [100mm]
H: 3-7/8" [100mm]
OD: 7-3/4" [197mm]

6130WH White Eyeball, White Self-flange

6215 Double Gimbal 30°-50° Tilt, Self-flange

- 30°-50° tilt, 360° rotation
- 50° tilt with double gimbal design using compound angles
- Double gimbal for PAR30 lamps
- Torsion spring retention
- Shallow housings are compatible with PAR30 short-neck lamps
- Socket supporting gimbal
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housing Max Lamp Compatibility
H7UICAT 75W PAR30S, 75W PAR30L
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 3-3/8" [84mm]
H: 2" [51mm]
OD: 7-3/4" [197mm]

6215WH White Gimbal, White Self-flange
6215BK Black Gimbal, Black Self-flange
6215SN Satin Nickel Gimbal, Satin Nickel Self-flange
6215TBZ Tuscan Bronze Gimbal, Tuscan Bronze Self-flange

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
** Specifications, compliances and dimensions subject to change without notice**

## 6 INCH

### E26 Screw Base Trims

**IC Housing: H7UICAT**

### 6222 Regressed Angle Cut Adjustable Gimbal, 45° Tilt, Self-flange

- 45° tilt, 360° rotation
- Fully regressed gimbal – self-flange ring
- Torsion spring retention
- Socket supporting gimbal
- Reflector and baffle options
- Accommodates tilt of gimbal in a full regressed cut cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Housing | Max Lamp Compatibility
---|---
H7UICAT | 60W PAR30S, 75W PAR30L

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Lenses & Wet Location Showerlights

#### 70 Albalite Glass Lens

- White trim, glass Albalite lens
- PS version features “dead-front” construction and is wet location listed for use in showers
- PS version features non-conductive, non-corrosive polymer (plastic) trim ring
- Torsion spring retention

#### Housing | Max Lamp Compatibility
---|---
H7UICAT | 40W A19

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 71 Drop Opal Glass Lens

- White trim, drop opal glass lens
- PS version features “dead-front” construction and is wet location listed for use in showers
- PS version features non-conductive, non-corrosive polymer (plastic) trim ring
- Torsion spring retention

#### Housing | Max Lamp Compatibility
---|---
H7UICAT | 40W A19

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 73 Fresnel Glass Lens

- White trim with glass Fresnel lens
- PS version features “dead-front” construction and is wet location listed for use in showers
- PS version features non-conductive, non-corrosive polymer (plastic) trim ring
- Torsion spring retention

#### Housing | Max Lamp Compatibility
---|---
H7UICAT | 40W A19

Compatible with Halogen, Incandescent, LED* or CFL* lamps

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
170 Albalite Lens with Reflector

- White trim with Albalite glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

Housing | Max Lamp Compatibility
--- | ---
H7.UICAT 40W A19

Compatible with Halogen, Incandescent, LED* or CFL* lamps

171 Drop Opal Glass Lens with Reflector

- White trim with drop opal glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

Housing | Max Lamp Compatibility
--- | ---
H7.UICAT 60W A19

Compatible with Halogen, Incandescent, LED* or CFL* lamps

172 Dome Glass Lens with Reflector

- Frosted glass dome
- Wet location listed for use in showers
- Non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- Torsion spring retention
- Air-Tite trim makes any installation Air-Tite

Housing | Max Lamp Compatibility
--- | ---
H7.UICAT 75W A19, 75W PAR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

173 Fresnel Lens with Reflector

- White trim with glass Fresnel lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

Housing | Max Lamp Compatibility
--- | ---
H7.UICAT 60W A19

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
6inch E26 Screw Base Trims
IC Housing: H7UICAT

6145 Open Wet Location, Shallow Reflector, Self-flange
- Open wet location shallow Showerlight for PAR30 and PAR38 outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>75W PAR30S, 75W PAR30L, 90W PAR38</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

<table>
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<th>Housing</th>
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</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>75W PAR30S, 75W PAR30L, 90W PAR38</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
A: 5-3/8" [136mm]  
D: 7-3/4" [197mm]

6146 Open Wet Location, Full Reflector Self-flange
- Open wet location Showerlight for PAR30 and PAR38 outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

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</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>75W PAR30S, 75W PAR30L, 90W PAR38</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
A: 5-3/8" [136mm]  
D: 7-3/4" [197mm]

6150 Low Profile, Frosted Glass Dome Lens, Self-flange
- Low profile, frosted glass dome lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive "dead-front" polymer (plastic) trim ring and glass lens
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>40W A19, 50W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
A: 5-1/8" [130mm]  
D: 4-1/5" [107mm]  
OD: 7-3/4" [197mm]

6160 Drop White Plastic Lens, Self-flange
- Wet location Showerlight
- Non-conductive "dead-front" polymer (plastic) trim and lens
- Torsion spring retention

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>29W A19, 30W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
A: 5-1/8" [130mm]  
D: 1-5/8" [41mm]  
OD: 7-3/4" [197mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
6162 Drop Opal Plastic Lens, Self-flange

- Wet location Showerlight
- Non-conductive “dead-front” polymer (plastic) trim and lens
- Torsion spring retention
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housing Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>29W A19</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6230 Squircle Frost Glass Lens, Metal Trim, Self-flange

- Low profile frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Self-flange low profile metal trim ring
- Socket supporting internal bracket
- Integral rotation adjustment up to +/- 25° for precise alignment with room

**Housing Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>43W A19, 39W PAR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6255 Soft Square, Frost Curved Glass Lens, Self-flange

- Low profile curved frost glass lens
- Wet location Showerlight for A19 lamps
- Torsion spring retention
- Integral adjustment up to 90° for precise alignment to room
- Non-conductive “dead-front” polymer (plastic) trim ring and glass lens
- Integral rotation adjustment up to +/-25° for precise alignment with room
- Integrated socket supporting reflector for even illumination across lens corner-to-corner

**Housing Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>43W A19, 39W PAR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Open, Splay & Wall Wash

79 Pinhole Trim

- 1-7/8” open pinhole for R20 lamp
- Torsion spring retention

**Housing Max Lamp Compatibility**

<table>
<thead>
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<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>50W PAR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
**300 Open Trim with Fixed Socket Bracket**

- Open trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting internal bracket

<table>
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<th>Housing</th>
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</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>75W PAR30S, 75W PAR30L, 85W BR30, 100W R30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

- A: 4-3/4” [122mm]
- H: 4-3/4” [122mm]
- OD: 7-1/4” [184mm]

**328 White Splay Trim**

- Splay trim for BR30 and PAR30 lamps
- Coil spring retention

<table>
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<tbody>
<tr>
<td>H7UICAT</td>
<td>75W PAR30S, 75W PAR30L, 85W BR30, 75W R30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

- A: 3-7/8” [98mm]
- OD: 7-3/4” [197mm]

**424 Open Wall Wash / Reflector Downlight**

- Designed to spread light on cabinets or wall close to ceiling and provide downlighting on counters

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>60W A19</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

- OD: 7-1/4” [184mm]

**425 Wall Wash with Coilex® Baffle and Scoop Reflector**

- Black or white Phenolic Coilex® baffle with scoop reflector
- Designed to spread light close to ceiling
- Coil spring retention

<table>
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<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>50W R30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

- OD: 7-1/4” [184mm]

**430 Wall Wash with Baffle & Full Reflector**

- Black or white step baffle with full reflector
- Designed to spread light close to the ceiling to eliminate the "cave effect"
- Torsion spring retention
- Makes installation Air-Tite regardless of housing used

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7UICAT</td>
<td>60W A19, 50W TB19, 60W BT15, 60W MB19</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

- H: 5” [127mm]
- OD: 7-1/4” [184mm]
H7ICTNB

6" IC, New Construction Housing, No Socket Bracket, 120V

The H7 recessed housing is the standard in the industry for both light commercial and residential applications. H7 series features full-frame design, robust construction, feed-through listing, Got Nail bar hangers; and may support use of higher wattage lamps. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. H7ICTNB is for installations where the housing will be in direct contact with insulation*. May be retrofit with compatible Halo LED lighting systems.

The H7ICTNB can save installation time. It is designed without a socket plate for use with socket supporting trims only. With these trims there is no need to spend time removing the socket plate and the fixed lamp position of socket supporting trims saves on lamp adjustment time too. H7ICTNB may be converted into Air-Tite installation when used with Air-Tite trims.

Features

Housing
- Single wall aluminum housing
- Aluminum construction for greater heat dissipation
- Housing can be removed from the plaster frame for junction box access
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)

Plaster Frame
- Housing adjusts in plaster frame to accommodate up to 1” ceiling thickness
- Galvanized steel construction
- Plaster frame features include:
  - Regressed locking screw for securing hanger bars
  - Cutouts for easily crimping hanger bars in position
  - Halo name embossed on plaster frame
  - The housing may be removed from plaster frame to provide access to the junction box

Includes:
- Got Nail™ bar hangers (Details Pg. 13)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts

Special Features
- Got Nail™ bar hangers
- q-Channel bars with Pass-N-Thru™
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts

Socket
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or missupplied insulation

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
Halo Recessed Catalog - 6” Recessed Downlighting

H7ICATNB
6” IC, Air-Tite, New Construction Housing, No Socket Bracket, 120V

The H7 recessed housing is the standard in the industry for both light commercial and residential applications. H7 series features full-frame design, robust construction, feed-through listing. Got Nail! bar hangers; and may support use of higher wattage lamps. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. H7ICATNB is for installations where the housing will be in direct contact with insulation*, and its Air-Tite design will also meet restricted air flow code requirements. May be retrofit with compatible Halo LED lighting systems.

The H7ICATNB can save installation time. It is designed without a socket plate for use with socket supporting trims only. With these trims there is no need to spend time removing the socket plate and the fixed lamp position of socket supporting trims saves on lamp adjustment time too.

Features

Housing
- Single wall aluminum housing
- Aluminum construction for greater heat dissipation
- Sealed and gasketed for Air-Tite™ ready installation
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)

Plaster Frame
- Housing adjusts in plaster frame to accommodate up to 1” ceiling thickness
- Galvanized steel construction
- Plaster frame features include:
  - Regressed locking screw for securing hanger bars
  - Cutouts for easily crimping hanger bars in position
  - Halo name embossed on plaster frame
  - The housing may be removed from plaster frame to provide access to the junction box
  - Pre-installed Air-Tite ready ceiling contact gasket

Includes:
- Got Nail!™ bar hangers (Details Pg. 13)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

Socket
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

Thermal Protector
- Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Compatible Socket Supporting Trims

<table>
<thead>
<tr>
<th>Socket Width</th>
<th>30</th>
<th>74</th>
<th>76</th>
<th>170</th>
<th>171</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>172</td>
<td>404</td>
<td>6120</td>
<td>6145</td>
<td>6215</td>
</tr>
<tr>
<td>Height</td>
<td>74</td>
<td>173</td>
<td>420</td>
<td>6121</td>
<td>6146</td>
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<tr>
<td>Material</td>
<td>76</td>
<td>300</td>
<td>430</td>
<td>6125</td>
<td>6150</td>
</tr>
<tr>
<td>Insulation</td>
<td>78</td>
<td>327</td>
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<td>6126</td>
<td>6162</td>
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<td>Usage</td>
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<td>376</td>
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<td>6130</td>
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<td>Warranty</td>
<td>171</td>
<td>378</td>
<td></td>
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</tbody>
</table>

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
E7ICATNB

6" IC, Air-Tite, New Construction Housing, No Socket Bracket, 120V

The E7ICATNB is a compact and efficient recessed housing optimized and listed for EISA compliant tungsten-halogen lamps, CFL and LED lamps as well as incandescent. Housing is suitable for residential or light commercial applications. For installation in insulated ceilings* and non-insulated ceilings with Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. May be retrofit with compatible Halo LED lighting systems. The E7ICATNB can save installation time. It is designed without a socket plate for use with socket supporting trims only. With these trims there is no need to spend time removing the socket plate and the fixed lamp position of socket supporting trims saves on lamp adjustment time too.

**Includes:**
- All-Nail™ bar hangers (Details Pg. 15)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 15)
- Hinged junction box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ push wire nuts (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

**Features**

**Housing**
- Single wall die-formed aluminum housing
- Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
- Integral gasket for code-required gasket between fixture and finished ceiling – seals aperture without need for additional caulk
- May be removed from the plaster frame to provide access to junction box

**Plaster Frame**
- Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 3/8" – 1" ceiling thickness.
- (2) Regressed locking screws for securing hanger bars

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in socket speeds installation and attaches directly to the trim for consistent lamp positioning
- Shipped with socket overspray protector installed

**Thermal Protector**
- Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Special Features**
- All-Nail™ bar hangers
- q-Channel bars with Pass-N-Thru™
- Hinged j-box with Slide-N-Side™
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Trims**
- Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

*Specifications, compliances and dimensions subject to change without notice*
**HALO** Halo Recessed Catalog - 6” Recessed Downlighting

Specifications, compliances and dimensions subject to change without notice

**6 INCH**

E26 Screw Base Trims

IC “NB” Housings: H7ICTNB • H7ICATNB • E7ICATNB

Reflectors

### 30 Reflector, Self-flange

- Self-flange reflector with torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used
- Socket supporting reflector

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7ICTNB</td>
<td>60W A19, 75W PAR38S, 75W PAR38L, 65W PAR38, 65W BR30, 90W BR40, 75W R30</td>
</tr>
<tr>
<td>H7ICATNB</td>
<td>53W A19, 75W PAR38S, 75W PAR38L, 65W PAR38, 65W BR30, 90W BR40</td>
</tr>
<tr>
<td>E7ICATNB</td>
<td>40W A19, 50W PAR38S, 75W PAR38L, 65W PAR38, 65W BR30, 65W BR40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 30SBAT Reflector, Self-flange

- Self-flange reflector with torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used
- Socket supporting reflector

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7ICTNB</td>
<td>40W A19, 50W PAR38S, 75W PAR38L, 65W PAR38, 65W BR30, 75W R30, 65W BR40</td>
</tr>
<tr>
<td>H7ICATNB</td>
<td>40W A19, 50W PAR38S, 75W PAR38L, 65W PAR38, 65W BR30, 65W BR40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 404 Specular Reflector

- Full reflector for use with A-lamps
- Friction clip retention on housing plaster ring
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Socket supporting reflector

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7ICTNB</td>
<td>40W A19, 40H: 53W A19</td>
</tr>
<tr>
<td>H7ICATNB</td>
<td>404SN, 404TBZ: 43W A19</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 4041 White Reflector, Self-flange

- Self-flange reflector for use with A-lamps
- Friction clip retention on housing plaster ring
- Accessories available: OT403 oversize trim ring
- Socket supporting reflector

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7ICTNB</td>
<td>60W A19</td>
</tr>
<tr>
<td>H7ICATNB</td>
<td>53W A19</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.**

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Dimensions**

**H: 5” [127mm]**

**OD: 7-1/4” [184mm]**

**H: 5” [122mm]**

**OD: 7-1/4” [184mm]**

**H: 5” [127mm]**

**OD: 7-1/4” [184mm]**

**H: 5-1/4” [133mm]**

**OD: 7-1/4” [184mm]**

---

**Specifications, compliances and dimensions subject to change without notice**
6120 Full Cone Reflector, Self-flange

- Full cone reflector for BR30, BR40, A19 and PAR30 and PAR38 lamps
- Torsion spring retention
- Socket supporting reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances
- Makes installation Air-Tite regardless of housing used

**Dimensions**
A: 5-3/8” [137mm]
H: 5-3/8” [138mm]
OD: 7-3/4” [197mm]

6121 Shallow Full Cone Reflector, Self-flange

- Shallow full cone reflector for A19, PAR30, and BR30 lamps
- Torsion spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances
- Makes installation Air-Tite regardless of housing used

**Dimensions**
A: 5-3/8” [137mm]
H: 4-3/8” [110mm]
OD: 7-3/4” [197mm]

Baffles

30 Baffle, Self-flange

- Self-flange metal baffle
- Socket supporting baffle
- Torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used

**Dimensions**
H: 6” [127mm]
OD: 7-1/4” [184mm]

6125 Full Cone Baffle, Self-flange

- Full cone baffle
- Torsion spring retention
- Socket supporting baffle
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Dimensions**
A: 5-3/8” [137mm]
H: 5-3/8” [138mm]
OD: 7-3/4” [197mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
6126 Shallow Full Cone Baffle, Self-flange

- Shallow full cone baffle for A19 and PAR30 lamps
- Torsion spring retention
- Socket supporting baffle
- Self-flange trim ring sized to hide gaps caused by construction tolerances
- Makes installation Air-Tite regardless of housing used

Housings | Max Lamp Compatibility
--- | ---
H7ICTNB | 43W A19, 75W PAR30S, 75W PAR30L, 65W BR30
H7ICATNB | 75W PAR30S, 75W PAR30L, 65W BR30
E7ICATNB | Compatible with Halogen, Incandescent, LED* or CFL* lamps

Adjustable – Eyeballs & Gimbals

74 Eyeball 30° Tilt, Self-flange

- Provides optimum position for PAR30S lamps
- Torsion spring retention
- Socket supporting eyeball

Housings | Max Lamp Compatibility
--- | ---
H7ICTNB | 75W PAR30S
H7ICATNB | 45W PAR38
E7ICATNB | Compatible with Halogen, Incandescent, LED* or CFL* lamps

76 Gimbal 30° Tilt, Self-flange

- For use with PAR38 lamps
- 30° tilt
- Torsion spring retention

Housings | Max Lamp Compatibility
--- | ---
H7ICTNB | 45W PAR38
H7ICATNB | 45W PAR38
E7ICATNB | Compatible with Halogen, Incandescent, LED* or CFL* lamps

78 Eyeball 30° Tilt, Self-flange

- 30° tilt, 360° rotation
- Torsion spring retention
- Wide choice of finishes for any decor
- Socket supporting eyeball
- 78PAT makes installation Air-Tite regardless of housing used

Housings | Max Lamp Compatibility
--- | ---
H7ICTNB | 75W PAR30L, 65W BR30, 75W R30
H7ICATNB | 75W PAR30L, 75W PAR30S, 65W BR30
E7ICATNB | Compatible with Halogen, Incandescent, LED* or CFL* lamps

376 Regressed Gimbal 30° Tilt, Self-flange

- 30° tilt
- Regressed gimbal with baffle
- Torsion spring retention
- Socket supporting gimbal

Housings | Max Lamp Compatibility
--- | ---
H7ICTNB | 50W PAR30S, 50W PAR30L
H7ICATNB | Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
**378 Regressed Gimbal with Splay 25° Tilt, Self-flange**

- 25° tilt
- Regressed gimbal with splay trim
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Friction clips on trim
- Socket supporting gimbal

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7ICTNB</th>
<th>H7ICATNB</th>
<th>E7ICATNB</th>
</tr>
</thead>
<tbody>
<tr>
<td>35W PAR30L</td>
<td>50W PAR30S, 50W PAR30L, 60W BR30</td>
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</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

OD: 7-1/4" [184mm]

**Friction Clips on Trim**

**378P** White Splay, White Trim

**378** Clear Specular Splay, White Trim

**420 Regressed Eyeball 30° Tilt, Self-flange**

- Regressed eyeball with baffle splay
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Socket supporting eyeball

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7ICTNB</th>
<th>H7ICATNB</th>
<th>E7ICATNB</th>
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<tbody>
<tr>
<td>50W PAR30S, 50W PAR30L, 60W BR30</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

A: 4" [100mm]
H: 4" [102mm]
OD: 7-1/4" [184mm]

**420W** White Eyeball & Baffle, White Trim

**420P** White Eyeball & Black Baffle, White Trim

**478 Adjustable Regressed Gimbal with Splay 25° Tilt, Self-flange**

- 25° tilt
- Adjustable gimbal with splay trim for PAR38 lamps
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Friction clip on trim
- Socket supporting gimbal

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7ICTNB</th>
<th>H7ICATNB</th>
<th>E7ICATNB</th>
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<tr>
<td>45W PAR38</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

OD: 7-1/4" [184mm]

**478P** White Splay, White Trim

**6130 Eyeball 35° Tilt, Self-flange**

- 35° tilt, 360° rotation
- Adjustable eyeball trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting eyeball
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7ICTNB</th>
<th>H7ICATNB</th>
<th>E7ICATNB</th>
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</thead>
<tbody>
<tr>
<td>50W PAR30S, 75W PAR30L, 65W BR30</td>
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<td></td>
</tr>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

A: 3-7/8" [100mm]
H: 3-7/8" [100mm]
OD: 7-3/4" [197mm]

**6130WH** White Eyeball, White Self-flange

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**
- **A:** Luminous Aperture
- **H:** Height
- **OD:** Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
6170 Gimbal 25° Tilt, Self-flange

- 25° tilt, 360° rotation
- Adjustable gimbal for PAR38 lamps
- Torsion spring retention
- Socket supporting gimbal
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7ICTNB</th>
<th>H7ICATNB</th>
<th>E7ICATNB</th>
</tr>
</thead>
<tbody>
<tr>
<td>45W PAR38L</td>
<td>45W PAR38L</td>
<td>45W PAR38L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6215 Double Gimbal 30°-50° Tilt, Self-flange

- 30°-50° tilt, 360° rotation
- 50° tilt with double gimbal design using compound angles
- Double gimbal for PAR30 lamps
- Torsion spring retention
- Shallow housings are compatible with PAR30S (short-neck) lamps
- Socket supporting gimbal
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7ICTNB</th>
<th>H7ICATNB</th>
<th>E7ICATNB</th>
</tr>
</thead>
<tbody>
<tr>
<td>60W PAR30S, 60W PAR30L</td>
<td>60W PAR30S, 60W PAR30L</td>
<td>60W PAR30S, 60W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6222 Regressed Angle Cut Adjustable Gimbal, 45° Tilt, Self-flange

- 45° tilt, 360° rotation
- Fully regressed gimbal - self-flange ring
- Torsion spring retention
- Socket supporting gimbal
- Reflector and baffle options
- Accommodates tilt of gimbal in a full regressed cut cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7ICTNB</th>
<th>H7ICATNB</th>
<th>E7ICATNB</th>
</tr>
</thead>
<tbody>
<tr>
<td>39W PAR30S, 60W PAR30L</td>
<td>39W PAR30S, 60W PAR30L</td>
<td>39W PAR30S, 60W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Lenses & Wet Location Showerlights

170 Albalite Lens with Reflector

- White trim with Albalite glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7ICTNB</th>
<th>H7ICATNB</th>
<th>E7ICATNB</th>
</tr>
</thead>
<tbody>
<tr>
<td>40W A19</td>
<td>40W A19</td>
<td>29W A19</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
E26 Screw Base Trims

IC "NB" Housings: H7ICTNB • H7ICATNB • E7ICATNB

171 Drop Opal Glass Lens with Reflector

- White trim with drop opal glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is "dead-front" construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

Housings Max Lamp Compatibility
H7ICTNB 40W A19
H7ICATNB 29W A19
E7ICATNB
Compatible with Halogen, Incandescent, LED* or CFL* lamps

172 Dome Glass Lens with Reflector

- Frosted glass dome
- Wet location listed for use in showers
- Non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- Features "dead-front" construction and is wet location listed for use in showers
- Torsion spring retention

Housings Max Lamp Compatibility
H7ICTNB 60W A19
H7ICATNB
E7ICATNB
172PS: 53W A19, 50W PAR30S
172SNS, 172TBZS: 43W A19, 50W PAR30S
Compatible with Halogen, Incandescent, LED* or CFL* lamps

173 Fresnel Lens with Reflector

- White trim with glass Fresnel lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is "dead-front" construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

Housings Max Lamp Compatibility
H7ICTNB 40W A19
H7ICATNB
E7ICATNB 29W A19
Compatible with Halogen, Incandescent, LED* or CFL* lamps

6145 Open Wet Location, Shallow Reflector, Self-flange

- Open wet location shallow Showerlight for PAR30 and PAR38 outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility
H7ICTNB 75W PAR30S, 75W PAR30L
H7ICATNB 80W PAR38
E7ICATNB
Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
Specifications, compliances and dimensions subject to change without notice
6146 Open Wet Location, Full Reflector Self-flange

- Open wet location Showerlight for PAR30 and PAR38 outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
---|---
H7ICTNB | 6146WH: 75W PAR30S, 65W PAR38
H7ICATNB | 6146SN, 6146TBZ: 60W PAR30S, 65W PAR38
E7ICATNB | Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 5-3/8" [137mm]
H: 5-3/8" [138mm]
OD: 7-3/4" [197mm]

6150 Low Profile, Frosted Glass Dome Lens, Self-flange

- Low profile, frosted glass dome lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer (plastic) trim and lens
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
---|---
H7ICTNB | 6150WH: 29W A19, 39W PAR38S
H7ICATNB | 6150SN, 6150TBZ: 60W PAR30S, 65W PAR38
E7ICATNB | Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 5-1/8" [130mm]
H: 4-1/5" [107mm]
OD: 7-3/4" [197mm]

6162 Drop Opal Plastic Lens, Self-flange

- Wet location Showerlight
- Non-conductive “dead-front” polymer (plastic) trim and lens
- Torsion spring retention
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
---|---
H7ICTNB | 6162WH: 29W A19
H7ICATNB | 6162SN, 6162TBZ: 60W PAR30S, 65W PAR38
E7ICATNB | Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 5-1/8" [130mm]
H: 4-3/4" [122mm]
OD: 7-3/4" [197mm]

6230 Squirce Frost Glass Lens, Metal Trim, Self-flange

- Low profile frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Self-flange low profile metal trim ring
- Socket supporting internal bracket
- Integral rotation adjustment up to ±25˚ for precise alignment with room

Housings | Max Lamp Compatibility
---|---
H7ICTNB | 6230AH: 29W A19, 39W PAR38S
H7ICATNB | 6230PN, 6230SN: 60W PAR30S, 65W PAR38
E7ICATNB | Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 6" [152mm]
H: 4-1/4" [109mm]
D: 3/4" [20mm]
OD: 7-1/4" [185mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
E26 Screw Base Trims
IC “NB” Housings: H7ICTNB • H7ICATNB • E7ICATNB

6255 Soft Square, Frost Curved Glass Lens, Self-flange

- Low profile curved frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer (plastic) trim ring and glass lens
- Integral rotation adjustment up to +/- 25° for precise alignment with room
- Integrated socket supporting reflector for even illumination across lens corner-to-corner

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7ICTNB</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
<tr>
<td>H7ICATNB</td>
<td>29W A19, 39W PAR30S</td>
</tr>
<tr>
<td>E7ICATNB</td>
<td>29W A19, 39W PAR30S</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Housings Max Lamp Compatibility

Open, Splay & Wall Wash

300 Open Trim with Fixed Socket Bracket

- Open trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting internal bracket

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7ICTNB</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
<tr>
<td>H7ICATNB</td>
<td>29W A19, 39W PAR30S</td>
</tr>
<tr>
<td>E7ICATNB</td>
<td>29W A19, 39W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

327 White Splay Trim with Fixed Socket Bracket

- Splay trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting internal bracket

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7ICTNB</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
<tr>
<td>H7ICATNB</td>
<td>29W A19, 39W PAR30S</td>
</tr>
<tr>
<td>E7ICATNB</td>
<td>29W A19, 39W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

430 Wall Wash with Baffle & Full Reflector

- Black or white step baffle with full reflector
- Designed to spread light close to the ceiling to eliminate the “cave effect”
- Torsion spring retention
- Makes installation Air-Tite regardless of housing used

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7ICTNB</td>
<td>40W A19</td>
</tr>
<tr>
<td>H7ICATNB</td>
<td>29W A19</td>
</tr>
<tr>
<td>E7ICATNB</td>
<td>29W A19</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
Specifications, compliances and dimensions subject to change without notice
H27ICAT

6" IC, Air-Tite, Shallow New Construction Housing, 120V

The H27ICAT recessed housing is designed for shallow ceilings and is a standard in the industry for both light commercial and residential applications. H27 series features robust construction, feed-through listing, Got Nail! bar hangers; and may support use of higher wattage lamps. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. The H27ICAT is for installations where the housing will be in direct contact with insulation,* and its Air-Tite design will also meet restricted air flow code requirements. May be retrofit with compatible Halo LED lighting systems.

**Features**

**Housing**
- Single wall aluminum housing
- Aluminum housing for greater heat dissipation
- Sealed and gasketed for Air-Tite ready installation

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Plaster Frame**
Housing adjusts in plaster frame 1" to accommodate different ceiling thicknesses. Galvanized steel construction. Plaster frame features include:
- Regressed locking screw for securing hanger bars
- Cutouts for easily crimping hanger bars in position
- The housing may be removed from plaster frame to provide access to the junction box
- Halo name embossed on plaster frame
- Pre-installed Air-Tite ready ceiling contact gasket

**Includes:**
- Got Nail™ bar hangers (Details Pg. 13)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snaps into socket plate (or into socket supporting trim for consistent lamp positioning)
- Overspray protector included

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Special Features**
- Got Nail™ bar hangers
- q-Channel bars with Pass-N-Thru™
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Compatible Trims**

| 74 | 300 | 420 | 6103 | 6110 | 6150 |
| 78 | 310 | 426 | 6106 | 6121 | 6162 |
| 170 | 328 | 6100 | 6107 | 6126 | 6215 |
| 171 | 353 | 6101 | 6108 | 6130 | 6230 |
| 172 | 6102 | 6109 | 6145 | 6255 |
| 173 | | | | | |

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)
**H27RICAT**

**6” IC, Air-Tite, Shallow Remodel Housing, 120V**

The H27RICAT recessed remodel housing is designed for shallow ceilings and is a standard in the industry for both light commercial and residential applications. H27 series shallow remodel housings features robust construction, full-sized remodel junction box; and may support use of higher wattage lamps. Designed for use in existing ceilings, the remodel housing slips through opening in the finished ceiling. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. H27RICAT is for installations where the housing will be in direct contact with insulation,* and its Air-Tite design will also meet restricted air flow code requirements. May be retrofit with compatible Halo LED lighting systems.

**Features**

**Housing**
- Single wall aluminum housing
- Aluminum construction for greater heat dissipation
- For installation from below the finished ceiling. Integral flange secures fixture against ceiling.
- Halo name embossed on housing
- Pre-installed Air-Tite ready ceiling contact gasket on flange

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Remodel Springs**
Four remodel springs secure housing and accommodate 1/2” and 5/8” ceiling material

**Includes:**
- Quick Connect™ push wire nuts (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

**Junction Box**
- Seven 1/2” trade size conduit knockouts with true pry-out slots are positioned to accommodate straight conduit runs
- Four non-metallic (NM) cable pry-outs included

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Special Features**
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Compatible Trims**

<table>
<thead>
<tr>
<th>74</th>
<th>300</th>
<th>420</th>
<th>6103</th>
<th>6110</th>
<th>6150</th>
</tr>
</thead>
<tbody>
<tr>
<td>78</td>
<td>310</td>
<td>426</td>
<td>6106</td>
<td>6121</td>
<td>6162</td>
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<td>170</td>
<td>328</td>
<td>6100</td>
<td>6107</td>
<td>6126</td>
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<tr>
<td>171</td>
<td>353</td>
<td>6101</td>
<td>6108</td>
<td>6130</td>
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<td>6102</td>
<td>6109</td>
<td>6145</td>
<td>6255</td>
<td></td>
</tr>
</tbody>
</table>

*Trims for use in Halo listed housings

Select trims are classified for use in other housings, see [www.eaton.com/lighting/legal](http://www.eaton.com/lighting/legal)

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

*Not to be used in direct contact with spray foam insulation [Consult NEMA LSD57-2013](http://www.nema.org/standards/LSD57-2013)
E27ICAT

6" IC, Air-Tite, Shallow New Construction Housing, 120V

The E27ICAT is a compact and efficient shallow recessed remodel housing optimized and listed for EISA compliant tungsten-halogen, CFL and LED lamps as well as incandescent. Housing is suitable for residential or light commercial shallow ceiling applications.

For installation in insulated ceilings* and non-insulated ceilings with Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. May be retrofit with compatible Halo LED lighting systems.

### Special Features

**Includes:**
- All-Nail™ bar hangers (Details Pg. 15)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 15)
- Hinged junction box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ push wire nuts (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Shipped with socket overspray protector installed

**Thermal Protector**
- Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

### Compliance

- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

### Features

**Housing**
- Single wall die-formed shallow aluminum housing
- Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
- Exclusive Air-Tite gasket meets code where required, and seals between housing, frame and finished ceiling - without need for additional caulk
- May be removed from the plaster frame to provide access to junction box

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Plaster Frame**
- Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 3/8" – 1" ceiling thickness.
- (2) Regressed locking screw for securing hanger bars
- Integral Air-Tite gasket seals housing and meets code-required gasket between fixture and finished ceiling

**Compatible Trims**

<table>
<thead>
<tr>
<th>Trim Code</th>
<th>Trim Number</th>
<th>Trim Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74</td>
<td>300</td>
<td>420</td>
</tr>
<tr>
<td>78</td>
<td>310</td>
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<td>170</td>
<td>328</td>
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<tr>
<td>171</td>
<td>353</td>
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<td>172</td>
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<td>6109</td>
</tr>
<tr>
<td>173</td>
<td></td>
<td>6145</td>
</tr>
</tbody>
</table>

Trims for use in Halo listed housings

Select trims are classified for use in other housings, see [www.eaton.com/lighting/legal](http://www.eaton.com/lighting/legal)

### Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceiling opening</td>
<td>10-3/8&quot; (263mm)</td>
</tr>
<tr>
<td></td>
<td>6-1/2&quot; (165mm)</td>
</tr>
<tr>
<td></td>
<td>1/2&quot; (13mm)</td>
</tr>
<tr>
<td></td>
<td>5&quot; (127mm)</td>
</tr>
</tbody>
</table>

Specifications, compliances and dimensions subject to change without notice.

---

**E26 Screw Base IC Shallow Housing**

E27ICAT
The E27RICAT is a compact and efficient shallow recessed remodel housing optimized and listed for EISA compliant tungsten-halogen, CFL and LED lamps as well as incandescent. Housing is suitable for residential or light commercial shallow ceiling applications. For installation in insulated ceilings* and non-insulated ceilings with Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. May be retrofit with compatible Halo LED lighting systems.

**Special Features**
- Hinged j-box with Slide-N-Side™
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Compatible Trims**

<table>
<thead>
<tr>
<th>Trims</th>
<th>74</th>
<th>78</th>
<th>170</th>
<th>171</th>
<th>172</th>
<th>6103</th>
<th>6106</th>
<th>6107</th>
<th>6108</th>
<th>6109</th>
<th>6110</th>
<th>6112</th>
<th>6115</th>
<th>6215</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>300</td>
<td>426</td>
<td>6106</td>
<td>6110</td>
<td>6112</td>
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<td>6132</td>
<td>6145</td>
<td>6150</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Quick Connect™ Wiring Tray**
- (3) Color coded push-in wire nuts included
- Captive tray holds push-nuts in place for one-handed connections to line, neutral & ground
- Speeds installation and increases reliability
- No additional wire nuts required

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

**Features**

**Housing**
- Single wall die-formed shallow aluminum housing
- Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
- Exclusive Air-Tite gasket meets code where required, and seals between housing, flange and finished ceiling - without need for additional caulk
- For installation from below the finished ceiling. Integral flange secures fixture against ceiling.

**Remodel Retention System - Speed Clamps**
- Exclusive two integral speed clamps securely lock housing to ceiling, accommodating 3/8” to 2” ceiling materials

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Includes:**
- Hinged junction box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ push wire nuts (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Shipped with socket overspray protector installed

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Dimensions**
- Ceiling opening to match template supplied
- 5-1/8” (130mm)
- 6-1/4” (159mm)
- 1/2” (13mm)
- 7” (178mm)
- 10-1/2” (268mm)
**6 INCH**

**E26 Screw Base Trims**

IC Shallow Housings: H27ICAT • H27RICAT • E27ICAT • E27RICAT

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**Reflectors**

### 426 Reflector Cone
- Accepts a wide variety of lamps
- Coil spring retention
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring

**Housings**

<table>
<thead>
<tr>
<th>H27ICAT</th>
<th>E27ICAT</th>
<th>H27RICAT</th>
<th>E27RICAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>H27ICAT</td>
<td>50W PAR30S, 75W PAR30L</td>
<td>65W BR30, 75W R30</td>
<td>50W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### 6106 Straight Reflector Cone, Self-flange
- Straight sides of cone reflector for large diameter, as well as BR30 and PAR30 lamps
- Self-flange reflector cone
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings**

<table>
<thead>
<tr>
<th>H27ICAT</th>
<th>E27ICAT</th>
<th>H27RICAT</th>
<th>E27RICAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>H27ICAT</td>
<td>50W PAR30S, 75W PAR30L</td>
<td>60W BR30</td>
<td>50W PAR30S, 75W PAR30L, 60W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### 6107 Tapered Reflector, Self-flange
- Self-flange reflector cone
- Contoured tapered sides of cone reflector for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings**

<table>
<thead>
<tr>
<th>H27ICAT</th>
<th>E27ICAT</th>
<th>H27RICAT</th>
<th>E27RICAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>H27ICAT</td>
<td>50W PAR30S, 75W PAR30L</td>
<td>60W BR30</td>
<td>50W PAR30S, 75W PAR30L, 60W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

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(continued...)
E26 Screw Base Trims
IC Shallow Housings: H27ICAT • H27RICAT • E27ICAT • E27RICAT

6121 Shallow Full Cone Reflector, Self-flange

- Shallow full cone reflector for A19, PAR30S and BR30 lamps
- Torsion spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility
H27ICAT E27ICAT 40W A19, 60W PAR30S, 75W PAR30L, 65W BR30
H27RICAT E27RICAT Compatible with Halogen, Incandescent, LED* or CFL* lamps

310 Coilex® Baffle

- Black or white phenolic Coilex baffle with white metal trim ring
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Coil spring retention

Housings Max Lamp Compatibility
H27ICAT 50W PAR30S, 75W PAR30L, 65W BR30
H27RICAT E27ICAT E27RICAT Compatible with Halogen, Incandescent, LED* or CFL* lamps

353 Metal Baffle

- Metallic finish trim rings and baffles
- Coil spring retention
- Removable trim ring

Housings Max Lamp Compatibility
H27ICAT 50W PAR30S, 75W PAR30L, 65W BR30
H27RICAT E27ICAT E27RICAT Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
6100 **Tapered Metal Baffle with (2) Trim Rings**

- Contoured tapered sides of metal baffle for BR30 and PAR30 lamps
- Two plastic removable trim rings included narrow 7.25" OD and wide oversized 8.00" OD
- Coil spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
<th>Dimensions**</th>
</tr>
</thead>
<tbody>
<tr>
<td>H27ICAT</td>
<td>E27ICAT 50W PAR30S, 75W PAR30L, 65W BR30</td>
<td>A: 5-3/4&quot; [148mm]</td>
</tr>
<tr>
<td>H27RICAT</td>
<td>E27RICAT</td>
<td>H: 2-7/8&quot; [74mm]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OD: 7-1/4&quot; [184mm] Narrow</td>
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<tr>
<td></td>
<td></td>
<td>OD: 8&quot; [203mm] Wide</td>
</tr>
<tr>
<td></td>
<td>6100WB White Baffle, Narrow &amp; Wide White Trims (Included)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6100BB Black Baffle, Narrow &amp; Wide White Trims (Included)</td>
<td></td>
</tr>
</tbody>
</table>

6101 **Straight Metal Baffle with (2) Trim Rings**

- Straight sides of metal baffle for large diameter lamps
- Two plastic removable trim rings included narrow 7.25" OD and wide 8.00" OD
- Coil spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
<th>Dimensions**</th>
</tr>
</thead>
<tbody>
<tr>
<td>H27ICAT</td>
<td>E27ICAT 50W PAR30S, 75W PAR30L, 60W BR30</td>
<td>A: 5-5/8&quot; [144mm]</td>
</tr>
<tr>
<td>H27RICAT</td>
<td>E27RICAT</td>
<td>H: 2-5/8&quot; [66mm]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OD: 7-1/4&quot; [184mm] Narrow</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OD: 8&quot; [203mm] Wide</td>
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<tr>
<td></td>
<td>6101WB White Baffle, Narrow &amp; Wide White Trim (Included)</td>
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<tr>
<td></td>
<td>6101BB Black Baffle, Narrow &amp; Wide White Trim (Included)</td>
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</tr>
</tbody>
</table>

6102 **Tapered Metal Baffle, Self-flange**

- Contoured tapered sides of metal baffle
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
<th>Dimensions**</th>
</tr>
</thead>
<tbody>
<tr>
<td>H27ICAT</td>
<td>E27ICAT 50W PAR30S, 75W PAR30L, 60W BR30</td>
<td>A: 5-3/8&quot; [137mm]</td>
</tr>
<tr>
<td>H27RICAT</td>
<td>E27RICAT</td>
<td>H: 2-5/8&quot; [65mm]</td>
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<tr>
<td></td>
<td></td>
<td>OD: 7-3/4&quot; [197mm]</td>
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<tr>
<td></td>
<td>6102WB White Baffle, White Self-flange</td>
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</tr>
<tr>
<td></td>
<td>6102BB Black Baffle, White Self-flange</td>
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</tbody>
</table>

6103 **Straight Metal Baffle, Self-flange**

- Straight sides of metal baffle for large diameter lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
<th>Dimensions**</th>
</tr>
</thead>
<tbody>
<tr>
<td>H27ICAT</td>
<td>E27ICAT 50W PAR30S, 75W PAR30L, 60W BR30</td>
<td>A: 5-3/8&quot; [137mm]</td>
</tr>
<tr>
<td>H27RICAT</td>
<td>E27RICAT</td>
<td>H: 2-5/8&quot; [68mm]</td>
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<td>OD: 7-3/4&quot; [197mm]</td>
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<tr>
<td></td>
<td>6103WB White Baffle, White Self-flange</td>
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<tr>
<td></td>
<td>6103BB Black Baffle, White Self-flange</td>
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</tbody>
</table>

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter"
**E26 Screw Base Trims**

**IC Shallow Housings: H27ICAT • H27RICAT • E27ICAT • E27RICAT**

### 6108 Coilex® Straight Plastic Baffle, Self-flange

- Straight sides of Coilex baffle for large diameter BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings** | **Max Lamp Compatibility**
--- | ---
H27ICAT | E27ICAT 39W PAR30S, 60W PAR30L, 50W BR30
H27RICAT | E27RICAT 50W PAR30S, 60W BR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

A: 5-3/8" [137mm]
H: 2-5/8" [65mm]
OD: 7-3/4" [197mm]

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### 6109 Coilex® Tapered Baffle, Self-flange

- Contoured tapered sides of Coilex baffle for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings** | **Max Lamp Compatibility**
--- | ---
H27ICAT | E27ICAT 50W PAR30S, 75W PAR30L, 65W BR30
H27RICAT | E27RICAT 50W PAR30S, 65W BR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

A: 5-3/8" [137mm]
H: 2-5/8" [65mm]
OD: 7-3/4" [197mm]

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### 6110 Perftex™ Baffle, Self-flange

- Perforated pattern baffle contoured for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings** | **Max Lamp Compatibility**
--- | ---
H27ICAT | E27ICAT 50W PAR30S, 60W PAR30L, 50W BR30
H27RICAT | E27RICAT 50W PAR30S, 65W BR30

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

A: 6-5/8" [169mm]
H: 2-1/8" [54mm]
OD: 7-3/4" [197mm]

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### 6126 Shallow Full Cone Baffle, Self-flange

- Shallow full cone baffle for A19 and PAR30S lamps
- Torsion spring retention
- Socket supporting baffle
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings** | **Max Lamp Compatibility**
--- | ---
H27ICAT | E27ICAT 40W A19, 60W PAR30S, 75W PAR30L, 65W BR30
H27RICAT | E27RICAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

A: 5-3/8" [137mm]
H: 4-3/8" [110mm]
OD: 7-3/4" [197mm]

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
### Adjustable – Eyeballs & Gimbals

#### 74 Eyeball 30° Tilt, Self-flange
- Provides optimum position for PAR30S lamps
- Torsion spring retention
- Socket supporting eyeball

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<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
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<tr>
<td>E27RICAT</td>
<td>75W PAR30S</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

![74P White Eyeball & Trim](image)

#### 78 Eyeball 30° Tilt, Self-flange
- 30° tilt, 360° rotation
- Torsion spring retention
- Wide choice of finishes for any decor
- Socket supporting eyeball
- 78PAT makes installation Air-Tite regardless of housing used

<table>
<thead>
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<th>Housings</th>
<th>Max Lamp Compatibility</th>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

![78P White Eyeball, White Trim](image)

### 420 Regressed Eyeball 30° Tilt, Self-flange
- Regressed eyeball with baffle splay
- Removable trim ring
- Accessories available: TRM6 designer trim rings, DT403 oversize trim ring
- Socket supporting eyeball

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<th>Max Lamp Compatibility</th>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

![420W White Eyeball & Baffle, White Trim](image)

#### 6130 Eyeball 35° Tilt, Self-flange
- 35° tilt, 360° rotation
- Adjustable eyeball trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting eyeball
- Self-flange trim ring sized to hide gaps caused by construction tolerances

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<thead>
<tr>
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<th>Max Lamp Compatibility</th>
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Compatible with Halogen, Incandescent, LED* or CFL* lamps

![6130WH White Eyeball, White Self-flange](image)

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter**
**E26 Screw Base Trims**

**IC Shallow Housings: H27ICAT • H27RICAT • E27ICAT • E27RICAT**

---

**6215 Double Gimbal 30°-50° Tilt, Self-flange**

- 30°-50° tilt, 360° rotation
- 50° tilt with double gimbal design using compound angles
- Double gimbal for PAR30S lamps
- Torsion spring retention
- Shallow housings are compatible with PAR30S (short-neck) lamps
- Socket supporting gimbal
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings**

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<td>E27RICAT</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**Lenses & Wet Location Showerlights**

**170 Albalite Lens with Reflector**

- White trim with Albalite glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is "dead-front" construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

**Housings**

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<th>Max Lamp Compatibility</th>
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<tbody>
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<td>E27RICAT</td>
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Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**171 Drop Opal Glass Lens with Reflector**

- White trim with drop opal glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version features "dead-front" construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

**Housings**

<table>
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<th>Max Lamp Compatibility</th>
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<td>H27RICAT</td>
<td>29W A19</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**172 Dome Glass Lens with Reflector**

- Frosted glass dome
- Features "dead-front" construction and is wet location listed for use in showers
- Non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- Torsion spring retention
- Air-Tite trim makes any installation Air-Tite

**Housings**

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<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H27ICAT</td>
<td>60W A19, 50W PAR30S</td>
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<tr>
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<td>43W A19</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**

- A: Luminous Aperture
- H: Height
- OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice

**HALO** Halo Recessed Catalog - 6” Recessed Downlighting
## 173 Fresnel Lens with Reflector

- White trim with glass Fresnel lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite, making any installation Air-Tite

### Specifications

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<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H27ICAT</td>
<td>40W A19, 35W PAR30L</td>
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<td>E27ICAT</td>
<td>35W PAR30L</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions

| H: 4’’ [102mm] | OD: 6’’ [203mm] |

## 6145 Open Wet Location, Shallow Reflector, Self-flange

- Open wet location shallow Showerlight for PAR30S and PAR38 outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

### Specifications

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
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<td>E27ICAT</td>
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<tr>
<td>E27RICAT</td>
<td>E27RICAT</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions

| H: 5-1/2’’ [139mm] | D: 7/8’’ [22mm] | OD: 7-3/4’’ [197mm] |

## 6150 Low Profile, Frosted Glass Dome Lens, Self-flange

- Low profile, frosted glass dome lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer (plastic) trim ring and glass lens
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

### Specifications

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
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<tbody>
<tr>
<td>H27ICAT</td>
<td>E27ICAT</td>
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<tr>
<td>H27RICAT</td>
<td>E27RICAT</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions

| H: 4-3/8’’ [110mm] | OD: 7-3/4’’ [197mm] |

## 6162 Drop Opal Plastic Lens, Self-flange

- Wet location Showerlight
- Non-conductive “dead-front” polymer (plastic) trim and lens
- Torsion spring retention
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

### Specifications

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H27ICAT</td>
<td>E27ICAT</td>
</tr>
<tr>
<td>H27RICAT</td>
<td>E27RICAT</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions

| H: 5-1/8’’ [130mm] | OD: 7-3/4’’ [197mm] |

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.  
**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
**6230 Squircle Frost Glass Lens, Metal Trim, Self-flange**

- Low profile frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Self-flange low profile metal trim ring
- Socket supporting internal bracket
- Integral rotation adjustment up to +/- 25° for precise alignement with room

**Housings**

<table>
<thead>
<tr>
<th>H27ICAT</th>
<th>E26ICAT</th>
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<tbody>
<tr>
<td>29W A19</td>
<td>29W A19</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

A: 6” [152mm]  
H: 4-1/4” [109mm]  
D: 3/4” [20mm]  
OD: 7-1/4” [185mm]

---

**6255 Soft Square, Frost Curved Glass Lens, Self-flange**

- Low profile curved frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer (plastic) trim ring and glass lens
- Integral rotation adjustment up to +/- 25° for precise alignement with room
- Integrated socket supporting reflector for even illumination across lens corner-to-corner

**Housings**

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<tr>
<th>H27ICAT</th>
<th>E26ICAT</th>
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<td>29W A19</td>
<td>29W A19</td>
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Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**

A: 5-7/8” [122mm]  
H: 4-3/4” [124mm]  
D: 7-1/4” [185mm]  
OD: 7-5/8” [194mm]

---

**Open, Splay & Wall Wash**

### 300 Open Trim with Fixed Socket Bracket

- Open trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting internal bracket

**Housings**

<table>
<thead>
<tr>
<th>H27ICAT</th>
<th>E26ICAT</th>
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<tbody>
<tr>
<td>75W PAR30S, 50W PAR30L, 60W BR30</td>
<td>75W PAR30S, 50W PAR30L, 60W BR30</td>
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</table>

**300P**  
Socket Bracket with White Open Trim

**300SN**  
Socket Bracket with Satin Nickel Open Trim

**300TBZ**  
Socket Bracket with Tuscan Bronze Open Trim

**Dimensions**

A: 4-3/4” [122mm]  
H: 4-3/4” [122mm]  
D: 7-1/4” [184mm]  
OD: 7-1/4” [184mm]

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### 328 White Splay Trim

- Splay trim for BR30 and PAR30 lamps
- Coil spring retention

**Housings**

<table>
<thead>
<tr>
<th>H27ICAT</th>
<th>E26ICAT</th>
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<tbody>
<tr>
<td>50W PAR30S, 75W PAR30L, 65W BR30</td>
<td>50W PAR30S, 75W PAR30L, 65W BR30</td>
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</tbody>
</table>

**328P**  
White Splay Trim

**Dimensions**

A: 3-7/8” [98mm]  
OD: 7-3/4” [197mm]

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**  
A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
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### Specifications, Compliances and Dimensions Subject to Change Without Notice

**E26 Screw Base Non-Insulated Ceiling Housings & Trims**

**Quick Reference – Non-IC**

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H7T
6" Non-IC, New Construction, 120V

The H7 recessed housing is the standard in the industry for both light commercial and residential applications. H7 series features full-frame design, robust construction, feed-through listing, Got Nail! bar hangers; and may support use of higher wattage lamps. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. The H7T is for use in non-insulated ceilings. If ceiling insulation is present, it must be kept 3” from all sides of housing. May be retrofit with compatible Halo LED lighting systems.

### Features

#### Housing
- Single wall die-stamped CRS housing
- White housing paint finish

#### Socket Plate
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

#### Plaster Frame
- The housing can be removed from plaster frame to provide access to the junction box
- Galvanized steel construction
- Housing adjusts in plaster frame to accommodate ceilings up to 1” – 3/8” thick
- Plaster frame features include:
  - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Halo name embossed on plaster frame

#### Includes:
- Got Nail!™ bar hangers (Details Pg. 13)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)

#### Socket
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

#### Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

#### Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

#### Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- RoHS compliant
- IP rated (Improper Lamp)

#### Special Features
- Got Nail!™ bar hangers
- q-Channel bars with Pass-N-Thru™
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts

#### Compatible Trims
- 30° 172° 378° 428° 1479° 6108° 6146°
- 70° 173° 401° 429° 4051° 6109° 6150°
- 71° 300° 405° 430° 4261° 6110° 6160°
- 73° 301° 410° 478° 6100° 6120° 6170°
- 74° 303° 419° 1412° 6101° 6121° 6215°
- 76° 310° 420° 1416° 6102° 6129° 6222°
- 78° 318° 424° 1417° 6103° 6128° 6230°
- 79° 353° 425° 1459° 6106° 6130° 6255°
- 170 376° 426° 1475° 6107° 6145° 30SBAT°
- 171

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Halo Recessed Catalog - 6” Recessed Downlighting

Specifications, compliances and dimensions subject to change without notice
H7TCP

6” Non-IC, New Construction or Remodel, Chicago Plenum, 120V

The H7TCP recessed housing is designed for City of Chicago applications. The wide variety of trims available allows a number of different lighting effects to be created with one basic housing. The H7TCP is designed for non-insulated Chicago Plenum ceilings where insulation must be kept a minimum of 3” from all sides of housing. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
- Single wall CRS housing
- White housing paint finish
- Constructed and gasketed to meet Chicago CCEA requirements

Plaster Frame
- “Boat shaped” plaster frame design for new construction or remodel in existing ceilings
- Galvanized steel die-formed construction
- Housing adjusts in plaster frame to accommodate up to 1” ceiling thickness

Socket Plate
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

Socket
- Porcelain socket with nickel plated brass screw shell
- Snap-in socket speeds installation and attaches directly to the trim for consistent lamp positioning
- Overspray protector included

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- RoHS compliant
- IP rated (Improper Lamp)
- City of Chicago Environmental Air “Chicago Plenum” Compliant

Special Features

Compatible Trims

| Chicago Plenum | 30 | 301 | 405 | 429 | 6103 | 6120 | 6160 |
| 70 | 303 | 410 | 478 | 6106 | 6125 | 6170 |
| 71 | 310 | 419 | 1417 | 6107 | 6130 | 6215 |
| 73 | 328 | 424 | 1479 | 6108 | 6145 | 6222 |
| 76 | 376 | 425 | 6100 | 6109 | 6146 | 6230 |
| 78 | 378 | 426 | 6101 | 6110 | 6150 | 6255 |
| 79 | 401 | 428 | 6102 |
H7RT

6" Non-IC, Remodel, 120V

The H7 recessed remodel housing is the standard in the industry for both light commercial and residential applications. H7 series features full-frame design, robust construction, feed-through listing. Got Nail! bar hangers; and may support use of higher wattage lamps. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. The H7RT is for use in non-insulated existing ceilings where the remodel housing slips through opening in finished ceiling. If ceiling insulation is present, it must be kept 3" from all sides of housing. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
- Single wall die-stamped CRS shallow housing
- White housing paint finish
- For installation from below the finished ceiling. Integral flange secures fixture against ceiling.

Socket Plate
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

Remodel Springs
Four remodel springs secure housing and accommodate 1/2" and 5/8" ceiling material

Junction Box
- Seven 1/2" trade size conduit knockouts with true pry-out slots are positioned to accommodate straight conduit runs
- Four non-metallic (NM) cable pry-outs included

Includes:
- Quick Connect™ push wire nuts (Details Pg. 13)

Socket
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Special Features
Quick Connect™ push wire nuts

Compatible Trims

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UL Listed Trims for use in Halo listed housings
Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

Air-Tite trims can make the H7RT installation ASTM E283 compliant (in a non-insulated ceiling)

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- RoHS compliant
- IP rated (Improper Lamp)
E7TAT

6" Non-IC, Air-Tite, New Construction Housing, 120V

The E7TAT is a compact and efficient recessed Non-IC housing optimized and listed for EISA compliant tungsten-halogen, CFL and LED lamps as well as incandescent. Housing is suitable for residential or light commercial applications. For installation in non-insulated ceilings; if ceiling insulation is present it must be kept 3” from all sides of housing. Housing features Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
- Single wall die-formed housing
- Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
- Exclusive Air-Tite gasket meets code where required, and seals between housing, frame and finished ceiling - without need for additional caulk
- May be removed from the plaster frame to provide access to junction box

Socket Plate
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

Plaster Frame
- Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 3/8" - 1" ceiling thickness.
- (2) Regressed locking screws for securing hanger bars

Includes:
- All-Nail™ bar hangers (Details Pg. 15)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 15)
- Hinged junction box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ push wire nuts (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

Socket
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Shipped with socket overspray protector installed

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Special Features

Compatible Trims

<table>
<thead>
<tr>
<th>Trims</th>
<th>Special Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-3/8&quot; [263mm]</td>
<td>6-1/2&quot; [165mm]</td>
</tr>
<tr>
<td>7-1/4&quot; [185mm]</td>
<td>1/2&quot; [13mm]</td>
</tr>
</tbody>
</table>

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

Trims

Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant
E7RTAT

6" Non-IC, Air-Tite, Remodel Housing, 120V

The E7RTAT is a compact and efficient recessed remodel Non-IC housing optimized and listed for EISA compliant, tungsten-halogen, CFL and LED lamps as well as incandescent. Housing is suitable for residential or light commercial applications. For installation in non-insulated ceilings, if ceiling insulation is present it must be kept 3" from all sides of housing. Housing features Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
• Single wall die-formed housing
• Die formed flange maintains aperture geometry for greater assurance of installation results
• Exclusive Air-Tite gasket meets code where required, and seals between housing, flange and finished ceiling - without need for additional caulk
• For installation from below the finished ceiling. Integral flange secures fixture against ceiling.

Remodel Retention System - Speed Clamps
• Exclusive two integral speed clamps securely lock housing to ceiling, accommodating 3/8" to 2" ceiling materials

Socket Plate
• Rigid socket plate adjusts and locks without tools for various lamp sizes
• Socket plate and bracket may be removed when using socket supporting trims

Includes:
• Hinged junction box with Slide-N-Side™ (Details Pg. 15)
• Quick Connect™ push wire nuts (Details Pg. 15)
• Air-Tite™ code compliant (Details Pg. 15)

Socket
• Porcelain socket with nickel plated brass screw shell
• Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
• Shipped with socket overspray protector installed

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Quick Connect™ Wiring Tray
• (3) Color coded 4-port push-in wire nuts included
• Captive tray holds push-nuts in place for one-handed connections to line, neutral & ground
• Speeds installation and increases reliability
• No additional wire nuts required

Compliance
• cULus Listed 1598 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
• RoHS compliant

Special Features

Hinged j-box with Slide-N-Side™
Quick Connect™ push wire nuts
Air-Tite™ code compliant

Compatible Trims

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<tr>
<th>No.</th>
<th>172</th>
<th>376</th>
<th>426</th>
<th>6100</th>
<th>6110</th>
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</table>

Trims for use in Halo listed housings

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

Ceiling opening to match template supplied
E26 Screw Base Trims
Non-IC Housings: H7 • H7TCP • H7RT • E7TAT • E7RTAT

Reflectors

30 Reflector, Self-flange

- Self-flange reflector with torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used
- Socket supporting reflector

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>100W A19, 75W PAR30S, 75W PAR30L, 85W BR30, 100W R30, 150W PAR38</td>
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<tr>
<td>H7TCP</td>
<td>150W A21, 50W PAR30S, 75W PAR30L, 65W BR30, 75W R30, 150W PAR38</td>
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<tr>
<td>H7RT</td>
<td>100W A19, 150W A21, 75W PAR30S, 75W PAR30L, 150W PAR30L, 150W PAR38</td>
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<td>E7TAT</td>
<td>100W A19, 150W A21, 75W PAR30S, 75W PAR30L, 150W PAR30L, 150W PAR38</td>
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<td>E7RTAT</td>
<td>100W A19, 150W A21, 50W PAR30S, 75W PAR30L, 150W PAR30L, 150W PAR38</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

30SBAT Reflector, Self-flange

- Self-flange reflector with torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used
- Socket supporting reflector

<table>
<thead>
<tr>
<th>Housings</th>
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<tbody>
<tr>
<td>H7T</td>
<td>100W A19, 150W A21, 50W PAR30S, 75W PAR30L, 150W PAR30L, 100W R30</td>
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<td>H7RT</td>
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<tr>
<td>E7RTAT</td>
<td>100W A19, 150W A21, 50W PAR30S, 75W PAR30L, 150W PAR30L, 150W PAR38</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

405 Specular Full Cone Reflector

- Full reflector for use with A-lamps
- Accessories available: TRM3 designer trim rings, OT403 oversize trim ring
- Friction clip retention on housing plaster ring
- Removable trim ring
- Socket supporting reflector

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>H7T</td>
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<tr>
<td>H7RT</td>
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</tr>
<tr>
<td>E7TAT</td>
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<tr>
<td>E7RTAT</td>
<td>150W A21, 150W A21, 50W PAR30S, 75W PAR30L, 150W PAR30L, 150W PAR38</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice

Dimensions**

H: 5” [127mm]
OD: 7-1/4” [184mm]
426 Reflector Cone

- Accepts a wide variety of lamps
- Coil spring retention
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>75W PAR30S, 150W PAR38, 65W BR30, 120W BR40, 75W R30, 150W R40</td>
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<td>H7RT</td>
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<td>E7RTAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 120W BR40, 75W R30, 150W R40</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

429 Dayform White Cone, Self-flange

- Contoured sides shield interior view of housing
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring

<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
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<td>E7RTAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 75W R30</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

4051 White Full Cone Reflector, Self-flange

- Full reflector for use with A-lamps
- Friction clip retention on housing plaster ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Socket supporting reflector

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>150W A21</td>
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<tr>
<td>H7RT</td>
<td>150W A21</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

4261 White Reflector Cone, Self-flange

- Accepts R and PAR lamps
- Coil spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>75W PAR30S, 150W PAR38, 65W BR30, 120W BR40, 75W R30, 150W R40</td>
</tr>
<tr>
<td>H7RT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 120W BR40, 75W R30, 150W R40</td>
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<td>E7TAT</td>
<td>75W PAR30S, 75W PAR30L, 150W PAR38, 65W BR30, 120W BR40</td>
</tr>
<tr>
<td>E7RTAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 120W BR40</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
E26 Screw Base Trims
Non-IC Housings: H7T • H7TCP • H7RT • E7TAT • E7RTAT

6106 Straight Reflector Cone, Self-flange

- Straight sides of cone reflector
- Self-flange reflector cone
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings** | **Max Lamp Compatibility**
---|---
H7T | E7TAT 75W PAR30S, 75W PAR30L, 120W PAR38, 65W BR30, 120W BR40
H7RT | E7RTAT
H7TCP | Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- A: 5-3/8” [137mm]
- H: 2-5/8” [65mm]
- OD: 7-3/4” [197mm]

6107 Tapered Reflector, Self-flange

- Self-flange reflector cone
- Contoured tapered sides of cone reflector
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings** | **Max Lamp Compatibility**
---|---
H7T | E7TAT 75W PAR30S, 75W PAR30L, 65W BR30
H7TCP | E7TAT
H7RT | compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- A: 5-3/8” [137mm]
- H: 2-5/8” [65mm]
- OD: 7-3/4” [197mm]

6120 Full Cone Reflector, Self-flange

- Full cone reflector
- Torsion spring retention
- Socket supporting reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances
- Makes installation Air-Tite regardless of housing used

**Housings** | **Max Lamp Compatibility**
---|---
H7T | E7TAT 100W A19, 150W A21, 75W PAR30S, 75W PAR30L, 150W PAR38, 85W BR30, 120W BR40
H7RT | E7RTAT 6120WH, 6120SN, 6120TBZ: 75W A19, 100W PAR30L, 120W PAR38
H7TCP | Compatible with Halogen, Incandescent, LED* or CFL* lamps

**Dimensions**
- A: 5-3/8” [137mm]
- H: 5-3/8” [138mm]
- OD: 7-3/4” [197mm]

6121 Shallow Full Cone Reflector, Self-flange

- Shallow full cone reflector
- Torsion spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances
- Makes installation Air-Tite regardless of housing used

**Housings** | **Max Lamp Compatibility**
---|---
H7T | E7TAT 40W A19, 75W PAR30S, 75W PAR30L, 65W BR30
H7RT | E7RTAT 40W A19, 75W PAR30S, 75W PAR30L, 65W BR30

**Dimensions**
- A: 5-3/8” [137mm]
- H: 4-3/8” [110mm]
- OD: 7-3/4” [197mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**
- A: Luminous Aperture
- H: Height
- OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
**Baffles**

**30 Baffle, Self-flange**
- Self-flange metal baffle with upper reflector
- Socket supporting baffle
- Torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
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<tbody>
<tr>
<td>H7T</td>
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<td>E7RTAT</td>
<td>50W PAR30S, 75W PAR30L, 150W PAR38, 85W BR30</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**310 Coilex® Baffle**
- Black or white phenolic Coilex baffle with white metal trim ring
- Removable trim ring
- Accessories available: TRMB designer trim rings, OT403 oversize trim ring
- Coil spring retention

<table>
<thead>
<tr>
<th>Housings</th>
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</thead>
<tbody>
<tr>
<td>H7T</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 75W R30</td>
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<tr>
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<td>65W BR30</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

**353 Metal Baffle**
- Metallic finish trim rings and baffles
- Coil spring retention
- Removable trim ring

<table>
<thead>
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<tbody>
<tr>
<td>H7T</td>
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Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**Specifications, compliances and dimensions subject to change without notice**

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
**HALO** Halo Recessed Catalog - 6” Recessed Downlighting

### 6100 Tapered Metal Baffle with (2) Trim Rings
- Contoured tapered sides of metal baffle for BR30 and PAR30 lamps
- Two plastic removable trim rings included narrow 7.25” OD and wide oversized 8.00” OD
- Coil spring retention

**Dimensions**
- A: 5-3/4” [148mm]
- H: 2-7/8” [74mm]
- OD: 7-1/4” [184mm] Narrow
- OD: 8” [203mm] Wide

**Housings**
- **H7T**
- **H7TCP**
- **H7RT**
- **E7TAT**
- **E7RTAT**

**Max Lamp Compatibility**
- **H7T** 75W PAR38S, 75W PAR38L, 65W BR30, 150W BR40, 120W BR40, 150W R40
- **H7TCP** 75W PAR38S, 75W PAR38L, 65W BR30, 150W BR40, 120W BR40
- **H7RT** 120W BR40
- **E7TAT** 75W PAR38S, 75W PAR38L, 65W BR30, 120W BR40
- **E7RTAT** 120W BR40

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 6101 Straight Metal Baffle with (2) Trim Rings
- Straight sides of metal baffle for large diameter lamps
- Two plastic removable trim rings included narrow 7.25” OD and wide 8.00” OD
- Coil spring retention

**Dimensions**
- A: 5-5/8” [144mm]
- H: 2-5/8” [66mm]
- OD: 7-1/4” [184mm] Narrow
- OD: 8” [203mm] Wide

**Housings**
- **H7T**
- **H7TCP**
- **H7RT**
- **E7TAT**
- **E7RTAT**

**Max Lamp Compatibility**
- **H7T** 75W PAR38S, 75W PAR38L, 150W PAR38, 65W BR30, 120W BR40, 150W R40
- **H7TCP** 75W PAR38S, 75W PAR38L, 120W BR40
- **H7RT**
- **E7TAT** 75W PAR38S, 75W PAR38L, 150W PAR38, 65W BR30, 120W BR40
- **E7RTAT** 120W BR40

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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**Specifications, compliances and dimensions subject to change without notice**
6102 Tapered Metal Baffle, Self-flange

- Contoured tapered sides of metal baffle
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Dimensions**
A: 5-3/8" [137mm]
H: 2-5/8" [68mm]
OD: 7-3/4" [197mm]

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T E7TAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
<tr>
<td>H7TCP E7TAT</td>
<td>75W PAR30S, 75W PAR30L, 150W PAR38, 65W BR30, 120W BR40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6103 Straight Metal Baffle, Self-flange

- Straight sides of metal baffle for large diameter lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Dimensions**
A: 5-3/8" [137mm]
H: 2-5/8" [68mm]
OD: 7-3/4" [197mm]

**Housings Max Lamp Compatibility**

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<tbody>
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<td>75W PAR30S, 75W PAR30L, 150W PAR38, 65W BR30, 120W BR40</td>
</tr>
<tr>
<td>H7TCP E7TAT</td>
<td>75W PAR30S, 75W PAR30L, 120W PAR38, 65W BR30, 120W BR40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6108 Coilex® Straight Plastic Baffle, Self-flange

- Straight sides of Coilex baffle for large diameter BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Dimensions**
A: 5-3/8" [137mm]
H: 2-5/8" [68mm]
OD: 7-3/4" [197mm]

**Housings Max Lamp Compatibility**

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</tr>
<tr>
<td>H7TCP E7TAT</td>
<td>75W PAR30S, 75W PAR30L, 120W PAR38, 65W BR30, 120W BR40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6109 Coilex® Tapered Baffle, Self-flange

- Contoured tapered sides of Coilex baffle for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Dimensions**
A: 5-3/8" [137mm]
H: 2-5/8" [68mm]
OD: 7-3/4" [197mm]

**Housings Max Lamp Compatibility**

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<tbody>
<tr>
<td>H7T E7TAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**

- A: Luminous Aperture
- H: Height
- OD: Trim Outside Diameter
6110 Perfex Baffle, Self-flange

- Perforated pattern baffle contoured for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
---|---
H7 | E7TAT
H7RT | E7RTAT
H7TCP

6125 Full Cone Baffle, Self-flange

- Full cone baffle
- Torsion spring retention
- Socket supporting baffle
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
---|---
H7 | E7TAT
H7TCP

6126 Shallow Full Cone Baffle, Self-flange

- Shallow full cone baffle for A19 and PAR30S lamps
- Torsion spring retention
- Socket supporting baffle
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
---|---
H7 | E7TAT
H7TCP

Adjustable – Eyeballs & Gimbals

74 Eyeball 30° Tilt, Self-flange

- Provides optimum position for PAR30S lamps
- Torsion spring retention
- Socket supporting eyeball

Housings | Max Lamp Compatibility
---|---
H7 | E7TAT
H7RT | E7RTAT

Specifications, compliances and dimensions subject to change without notice
## 76 Gimbal 30° Tilt, Self-flange

- For use with PAR38 lamps
- 30° tilt
- Torsion spring retention

### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 150W PAR38</td>
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<tr>
<td>H7RT</td>
<td>E7RTAT (Side prong lamp recommended)</td>
</tr>
<tr>
<td>H7TCP</td>
<td>E7TAT 150W PAR38</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions

- OD: 8” [203mm]

---

## 78 Eyeball 30° Tilt, Self-flange

- 30° tilt, 360° rotation
- Torsion spring retention
- Wide choice of finishes for any decor
- Socket supporting eyeball
- 78PAT makes installation Air-Tite regardless of housing used

### Housings Max Lamp Compatibility

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<tbody>
<tr>
<td>H7T</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 75W R30</td>
</tr>
<tr>
<td>H7RT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
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<tr>
<td>H7TCP</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
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<tr>
<td>E7TAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
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<tr>
<td>E7RTAT</td>
<td>50W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions

- OD: 8” [203mm]

---

## 376 Regressed Gimbal 30° Tilt, Self-flange

- 30° tilt
- Regressed gimbal with baffle
- Torsion spring retention
- Socket supporting gimbal

### Housings Max Lamp Compatibility

<table>
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<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 75W PAR30S</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RTAT 50W PAR30S</td>
</tr>
<tr>
<td>H7TCP</td>
<td>E7TAT 75W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions

- OD: 7-1/4” [184mm]

---

## 378 Regressed Gimbal with Splay 25° Tilt, Self-flange

- 25° tilt
- Regressed gimbal with splay trim
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Friction clips on trim
- Socket supporting gimbal

### Housings Max Lamp Compatibility

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 75W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions

- OD: 7-1/4” [184mm]

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
E26 Screw Base Trims
Non-IC Housings: H7T • H7TCP • H7RT • E7TAT • E7RTAT

419 Regressed Eyeball with Splay 25°Tilt
- Regressed eyeball with splay
- 25° tilt, 358° rotation
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Removable trim ring
- Socket supporting trim

Housings | Max Lamp Compatibility
---|---
H7T • E7TAT | 75W PAR30S
H7RT • E7RTAT | 75W PAR30
H7TCP | Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
OD: 7-1/4" [184mm]

420 Regressed Eyeball 30°Tilt, Self-flange
- Regressed eyeball with baffle
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Socket supporting eyeball

Housings | Max Lamp Compatibility
---|---
H7T | 75W PAR30S, 75W PAR30L, 75W BR30
H7RT • E7TAT | 75W PAR30S, 75W PAR30L
E7RTAT | Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 4" [100mm]
H: 4" [102mm]
OD: 7-1/4" [184mm]

478 Adjustable Regressed Gimbal with Splay 25°Tilt, Self-flange
- 25° tilt
- Adjustable gimbal with splay trim for PAR38 lamps
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Friction clips on trim
- Socket supporting gimbal

Housings | Max Lamp Compatibility
---|---
H7T | 90W PAR38
H7TCP | 90W PAR38
E7TAT • E7RTAT | 90W PAR38
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
OD: 7-1/4" [184mm]

6130 Eyeball 35°Tilt, Self-flange
- 35° tilt, 360° rotation
- Adjustable eyeball trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting eyeball
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
---|---
H7T • E7TAT | 75W PAR30S, 75W PAR30L, 65W BR30
H7TCP | 65W BR30
H7RT • E7RTAT | 65W BR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
A: 3-7/8" [100mm]
H: 3-7/8" [100mm]
OD: 7-3/4" [197mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.
**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
Specifications, compliances and dimensions subject to change without notice
Halo Recessed Catalog - 6” Recessed Downlighting

Specifications, compliances and dimensions subject to change without notice

6 INCH

6170 Gimbal 25° Tilt, Self-flange

- 25° tilt, 360° rotation
- Adjustable gimbal for PAR38 lamps
- Torsion spring retention
- Socket supporting gimbal
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility

<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 90W PAR38</td>
</tr>
<tr>
<td>H7TCP</td>
<td>E7TAT 75W PAR30S, 75W PAR30L</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RAT</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**

A: 4-1/2" [113mm]
H: 1-1/5" [30mm]
OD: 7-3/4" [197mm]

6215 Double Gimbal 30°-50° Tilt, Self-flange

- 30°-50° tilt, 360° rotation
- 50° tilt with double gimbal design using compound angles
- Double gimbal for PAR30 lamps
- Torsion spring retention
- Shallow housings are compatible with PAR30S (short-neck) lamps
- Socket supporting gimbal
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 75W PAR30S, 75W PAR30L</td>
</tr>
<tr>
<td>H7TCP</td>
<td>E7TAT 60W PAR16, 50W PAR20, 75W PAR30S, 75W PAR30L</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RAT</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**

A: 3-3/8" [84mm]
H: 2" [51mm]
OD: 7-3/4" [197mm]

6222 Regressed Angle Cut Adjustable Gimbal, 45° Tilt, Self-flange

- 45° tilt, 360° rotation
- Fully regressed gimbal – self-flange ring
- Torsion spring retention
- Socket supporting gimbal
- Reflector and baffle options
- Accommodates tilt of gimbal in a full regressed cut cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings Max Lamp Compatibility

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<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 60W PAR16, 50W PAR20, 75W PAR30S, 75W PAR30L</td>
</tr>
<tr>
<td>H7TCP</td>
<td>E7TAT 60W A19</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RAT</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**

A: 3-3/4" [95mm]
H: 5-3/8" [137mm]
OD: 7-3/4" [197mm]

Lenses & Wet Location Showerlights

70 Albalite Glass Lens

- White trim, glass Albalite lens
- PS version features “dead-front” construction and is wet location listed for use in showers
- Non-conductive, non-corrosive polymer (plastic) trim ring
- Torsion spring retention

Housings Max Lamp Compatibility

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<tr>
<td>H7T</td>
<td>E7TAT 60W A19</td>
</tr>
<tr>
<td>H7TCP</td>
<td>E7TAT 70P Albalite Glass Lens, White Trim</td>
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<tr>
<td>H7RT</td>
<td>E7RAT 70PS Albalite Glass Lens, White Trim, Wet Location</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**

OD: 6” [203mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
**Halo Recessed Catalog - 6” Recessed Downlighting**

### E26 Screw Base Trims

#### 71 Drop Opal Glass Lens
- White trim, drop opal glass lens
- PS version features “dead-front” construction and is wet location listed for use in showers
- Non-conductive, non-corrosive polymer (plastic) trim ring
- Torsion spring retention

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<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 60W A19</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 73 Fresnel Glass Lens
- White trim with glass Fresnel lens
- PS version features “dead-front” construction and is wet location listed for use in showers
- Non-conductive, non-corrosive polymer (plastic) trim ring
- Torsion spring retention

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<td>E7TAT 60W A19</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 170 Albalite Lens with Reflector
- White trim with Albalite glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

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</tr>
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<tr>
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<td>E7TAT 60W A19</td>
</tr>
</tbody>
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Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 171 Drop Opal Glass Lens with Reflector
- White trim with drop opal glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

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<td>E7TAT 60W A19</td>
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Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
### 172 Dome Glass Lens with Reflector

- Frosted glass dome
- Features "dead-front" construction and is wet location listed for use in showers
- Non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- Torsion spring retention
- Air-Tite trim makes any installation Air-Tite

#### Housings Max Lamp Compatibility

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<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 100W A19, 75W PAR30S</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RTAT 60W A19, 50W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 173 Fresnel Lens with Reflector

- White trim with glass Fresnel lens
- PS version is "dead-front" construction and is wet location listed for use in showers
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

#### Housings Max Lamp Compatibility

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</tr>
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<td>E7TAT 60W A19</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RTAT</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 6145 Open Wet Location, Shallow Reflector, Self-flange

- Open wet location shallow Showerlight for PAR30S, PAR30L and PAR38 outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Housings Max Lamp Compatibility

<table>
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</tr>
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<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 75W PAR30S, 75W PAR30L, 150W PAR38</td>
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<tr>
<td>H7TCP</td>
<td>E7RTAT 75W PAR30S, 75W PAR30L, 120W PAR38</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RTAT 75W PAR30S, 75W PAR30L, 100W PAR38</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 6146 Open Wet Location, Full Reflector Self-flange

- Open wet location Showerlight for PAR30S and PAR30L outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Housings Max Lamp Compatibility

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<tr>
<td>H7TCP</td>
<td>E7RTAT 75W PAR30S, 75W PAR30L, 120W PAR38</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RTAT 75W PAR30S, 75W PAR30L, 100W PAR38</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

** Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
6150 Low Profile, Frosted Glass Dome Lens, Self-flange

- Low profile, frosted glass dome lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer (plastic) trim and lens
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 60W A19, 60W PAR30S</td>
</tr>
<tr>
<td>H7TCP</td>
<td>E7TAT 60W A19, 39W PAR30S</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RTAT 60W A19, 75W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6160 Drop White Plastic Lens, Self-flange

- Wet location Showerlight
- Non-conductive “dead-front” polymer (plastic) trim and lens
- Torsion spring retention

<table>
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</thead>
<tbody>
<tr>
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<td>E7TAT 60W A19, 60W PAR30S</td>
</tr>
<tr>
<td>H7TCP</td>
<td>E7TAT 60W A19, 39W PAR30S</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RTAT 60W A19, 75W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6230 Squircle Frost Glass Lens, Metal Trim, Self-flange

- Low profile frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Self-flange low profile metal trim ring
- Socket supporting internal bracket
- Integral rotation adjustment up to +/– 25° for precise alignment with room

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 72W A19, 75W PAR30S</td>
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<tr>
<td>H7RT</td>
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<td>H7TCP</td>
<td>E7TAT 60W A19, 39W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6255 Soft Square, Frost Curved Glass Lens, Self-flange

- Low profile curved frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Integral adjustment up to 90° for precise alignment to room
- Non-conductive “dead-front” polymer (plastic) trim ring and glass lens
- Integral rotation adjustment up to +/– 25° for precise alignment with room
- Integrated socket supporting reflector for even illumination across lens corner-to-corner

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 72W A19, 75W PAR30S</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RTAT 72W A19, 75W PAR30S</td>
</tr>
<tr>
<td>H7TCP</td>
<td>E7TAT 60W A19, 39W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
**E26 Screw Base Trims**

### Open, Splay & Wall Wash

#### 79 Pinhole Trim
- 1-7/8” open pinhole for R20 lamp
- Torsion spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
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<tr>
<td>H7TCP</td>
<td>60W A19</td>
</tr>
<tr>
<td>E7TAT</td>
<td>50W PAR30S, 50W PAR30L</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 300 Open Trim with Fixed Socket Bracket
- Open trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting internal bracket

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
<tr>
<td>E7TAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 301 Open Trim
- Open trim for BR30, R30, and PAR30 lamps
- Coil spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
<tr>
<td>H7TCP</td>
<td>E7TAT</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RTAT</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 328 White Splay Trim
- Splay trim for BR30 and PAR30 lamps
- Coil spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
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<tr>
<td>H7TCP</td>
<td>E7TAT</td>
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<tr>
<td>H7RT</td>
<td>E7RTAT</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**
- A: Luminous Aperture
- H: Height
- OD: Trim Outside Diameter

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6 INCH

Halo Recessed Catalog - 6” Recessed Downlighting

Specifications, compliances and dimensions subject to change without notice
E26 Screw Base Trims
Non-IC Housings: H7T • H7TCP • H7RT • E7TAT • E7RTAT

401 Open Trim
- Open trim for BR40 and R40 lamps
- Coil spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>H7RT</td>
</tr>
<tr>
<td>H7TCP</td>
<td>120W BR40, 150W R40</td>
</tr>
<tr>
<td>E7TAT</td>
<td>E7RTAT</td>
</tr>
<tr>
<td></td>
<td>120W BR40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
OD: 8" [203mm]

428 White Splay Trim
- Splay trim for BR40 and R40 lamps
- Coil spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>H7RT</td>
</tr>
<tr>
<td>H7TCP</td>
<td>120W BR40, 150W R40</td>
</tr>
<tr>
<td>E7TAT</td>
<td>E7RTAT</td>
</tr>
<tr>
<td></td>
<td>120W BR40</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
OD: 7-3/4" [197mm]

303 Wall Wash with Scoop
- Designed to spread light close to ceiling
- Coil spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT</td>
</tr>
<tr>
<td>H7TCP</td>
<td>60W A19</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RTAT</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
OD: 8" [203mm]

424 Open Wall Wash / Reflector Downlight
- Designed to spread light on cabinets or wall close to ceiling and provide downlighting on counters

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT</td>
</tr>
<tr>
<td>H7TCP</td>
<td>100W A19</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RTAT</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
OD: 7-1/4" [184mm]

425 Wall Wash with Coilex® Baffle and Scoop Reflector
- Black or white phenolic Coilex baffle with scoop reflector
- Designated to spread light close to ceiling
- Coil spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT</td>
</tr>
<tr>
<td>H7TCP</td>
<td>60W A19</td>
</tr>
<tr>
<td>H7RT</td>
<td>E7RTAT</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Dimensions**
OD: 7-1/4" [184mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
E26 Screw Base Trims

Halo Recessed Catalog - 6" Recessed Downlighting

Specifications, compliances and dimensions subject to change without notice

6 INCH

**HALO**

**Halo Recessed Catalog - 6" Recessed Downlighting**

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### 430 Wall Wash with Baffle & Full Reflector

- Black or white step baffle with full reflector
- Designed to spread light close to the ceiling to eliminate the "cave effect"
- Torsion spring retention
- Makes installation Air-Tite regardless of housing used

**Housings | Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7T</th>
<th>E7TAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>90W TB19, 100W A19, 100W BT15, 100W MB19</td>
<td>100W A19</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### Low Voltage

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#### 1412 Low Voltage Adjustable Spot 30° Tilt

- Low voltage trim
- Includes 120V transformer for retrofit to H7T and H7RT housings
- Torsion spring retention

**Housings | Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7T</th>
<th>E7TAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>50W 12V MR16</td>
<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

---

#### 1416 Low Voltage Specular Reflector 30° Tilt

- Low voltage trim
- Includes 120V transformer for retrofit to H7T and H7RT housings
- Torsion spring retention

**Housings | Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7T</th>
<th>E7TAT</th>
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</thead>
<tbody>
<tr>
<td>50W 12V MR16</td>
<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

---

#### 1417 Low Voltage Eyeball with Baffle 30° Tilt

- Low voltage trim
- Includes 120V transformer for retrofit to H7T and H7RT housings
- Torsion spring retention

**Housings | Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7T</th>
<th>E7TAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>50W 12V MR16</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

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330
E26 Screw Base Trims
Non-IC Housings: H7T • H7TCP • H7RT • E7TAT • E7RTAT

1416 Low Voltage Baffle 30° Tilt

- Low voltage trim
- Includes 120V transformer for retrofit to H7T and H7RT housings
- Torsion spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 50W 12V MR16</td>
</tr>
<tr>
<td>H7RT</td>
<td></td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

1450 Low Voltage Slot Aperture 30° Tilt

- Low voltage trim
- Includes 120V transformer for retrofit to H7T and H7RT housings
- Torsion spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 50W 12V MR16</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

1475 Low Voltage Adjustable Accent 30° Tilt

- Low voltage trim
- Includes 120V transformer for retrofit to H7T and H7RT housings
- Torsion spring retention

<table>
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<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>E7TAT 50W PAR38 low voltage</td>
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<tr>
<td>H7RT</td>
<td>E7RTAT</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

1479 Low Voltage Pinhole Trim

- Low voltage trim
- Includes 120V transformer for retrofit to H7T and H7RT housings
- Torsion spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7T</td>
<td>H7TCP 50W 12V MR16</td>
</tr>
<tr>
<td>E7TAT</td>
<td>E7RTAT</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
H7TNB

6” Non-IC, New Construction Housing, No Socket Bracket, 120V

The H7 recessed housing is the standard in the industry for both light commercial and residential applications. H7 series features full-frame design, robust construction, feed-through listing, Got Nail! bar hangers; and may support use of higher wattage lamps. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. The H7TNB is for use in non-insulated ceilings. If ceiling insulation is present, it must be kept 3” from all sides of housing. May be retrofit with compatible Halo LED lighting systems. The H7TNB can save installation time. It is designed without a socket plate for use with socket supporting trims only. With these trims there is no need to spend time removing the socket plate and the fixed lamp position of socket supporting trims saves on lamp adjustment time too.

Features

Housing
- Single wall die-stamped CRS housing
- White housing paint finish

Plaster Frame
- Galvanized steel construction
- The housing can be removed from plaster frame to provide access to the junction box
- Housing adjusts in plaster frame to accommodate ceilings up to 1-3/8” thick
- Plaster frame features include:
  - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Halo name embossed on plaster frame

Includes:
- Got Nail™ bar hangers (Details Pg. 13)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts

Socket
- Porcelain socket with nickel plated brass screw shell
- Snap-in socket speeds installation and attaches directly to the trim for consistent lamp positioning
- Overspray protector included

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lumping or misapplied insulation

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- RoHS compliant
- IP rated (Improper Lamp)

Trims
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Special Features
- Got Nail™ bar hangers
- q-Channel bars with Pass-N-Thru™
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts

Compatible Socket Supporting Trims

<table>
<thead>
<tr>
<th>Socket Type</th>
<th>173</th>
<th>405</th>
<th>4051</th>
<th>4130</th>
<th>4215</th>
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<tbody>
<tr>
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<td>173</td>
<td>405</td>
<td>4051</td>
<td>4130</td>
<td>4215</td>
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<tr>
<td>74</td>
<td>173</td>
<td>419</td>
<td>8120</td>
<td>8145</td>
<td>8222</td>
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<td>378</td>
<td>478</td>
<td>8126</td>
<td>8170</td>
<td>305BAT</td>
</tr>
</tbody>
</table>

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

◊ Air-Tite trims can make the H7TNB installation ASTM E283 compliant (in an Non-Insulated ceiling)
E7TATNB

6" Non-IC, Air-Tite, New Construction Housing, No Socket Bracket, 120V

The E7TATNB is a compact and efficient recessed Non-IC housing optimized and listed for EISA compliant tungsten-halogen, CFL and LED lamps as well as incandescent. Housing is suitable for residential or light commercial applications. For installation in non-insulated ceilings. If ceiling insulation is present, it must be kept 3" from all sides of housing. Housing features Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor.

The E7TATNB can save installation time. It is designed without a socket plate for use with socket supporting trims only. With these trims there is no need to spend time removing the socket plate, and the fixed lamp position of the socket supporting trims saves on a lamp adjustment time too. May be retrofit with compatible Halo LED lighting systems.

**Features**

**Housing**
- Single wall die-formed housing
- Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
- Exclusive Air-Tite gasket meets code where required, and seals between housing, frame and finished ceiling - without need for additional caulk
- May be removed from the plaster frame to provide access to junction box

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Plaster Frame**
- Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 3/8” – 1” ceiling thickness.
- (2) Regressed locking screws for securing hanger bars

**Includes:**
- All-Nail™ bar hangers (Details Pg. 15)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 15)
- Hinged j-box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ push wire nuts (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in socket speeds installation and attaches directly to the trim for consistent lamp positioning
- Shipped with socket overspray protector installed

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lighting or misapplied insulation

**Special Features**

**Compatible Socket Supporting Trims**

<table>
<thead>
<tr>
<th>Trim Code</th>
<th>30</th>
<th>74</th>
<th>76</th>
<th>78</th>
<th>170</th>
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</thead>
<tbody>
<tr>
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<td>405</td>
<td>4051</td>
<td>6130</td>
<td>6215</td>
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<td>419</td>
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<tr>
<td>6-1/2&quot;</td>
<td>378</td>
<td>478</td>
<td>6126</td>
<td>6170</td>
<td>30SBAT</td>
</tr>
</tbody>
</table>

Trims for use in Halo listed housings

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant
Reflectors

30 Reflector, Self-flange

- Self-flange reflector with torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used
- Socket supporting reflector

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7TNB</td>
<td>100W A19, 150W A21, 75W PAR30S, 75W PAR30L, 95W BR30, 100W R30</td>
</tr>
<tr>
<td>E7TATNB</td>
<td>100W A19, 150W A21, 75W PAR30S, 75W PAR30L, 150W PAR38, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

30SBAT Reflector, Self-flange

- Self-flange reflector with torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used
- Socket supporting reflector

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<thead>
<tr>
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<th>Max Lamp Compatibility</th>
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</thead>
<tbody>
<tr>
<td>H7TNB</td>
<td>100W A19, 150W A21, 75W PAR30S, 150W PAR38, 95W BR30, 100W R30</td>
</tr>
<tr>
<td>E7TATNB</td>
<td>100W A19, 150W A21, 75W PAR30S, 75W PAR30L, 150W PAR38, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

405 Specular Full Cone Reflector

- Full reflector for use with A-lamps
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Friction clip retention on housing plaster ring
- Removable trim ring
- Socket supporting reflector

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7TNB</td>
<td>150W A21</td>
</tr>
<tr>
<td>E7TATNB</td>
<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

4051 White Full Cone Reflector, Self-flange

- Full reflector for use with A-lamps
- Friction clip retention on housing plaster ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Socket supporting reflector

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7TNB</td>
<td>150W A21</td>
</tr>
<tr>
<td>E7TATNB</td>
<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
6120 Full Cone Reflector, Self-flange

- Full cone reflector
- Torsion spring retention
- Socket supporting reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances
- Makes installation Air-Tite regardless of housing used

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
<th>Dimensions**</th>
</tr>
</thead>
</table>
| HTTNB     | 100W A19, 150W A21, 75W PAR30S, 75W PAR30L, 150W PAR38, 85W BR30, 120W BR40 | A: 5-3/8" [137mm]  
|           |                                            | H: 5-3/8" [138mm]  
|           |                                            | OD: 7-3/4" [197mm]  |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6121 Shallow Full Cone Reflector, Self-flange

- Shallow full cone reflector
- Torsion spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
<th>Dimensions**</th>
</tr>
</thead>
</table>
| HTTNB     | 40W A19, 75W PAR30S, 75W PAR30L, 65W BR30  | A: 5-3/8" [137mm]  
|           |                                            | H: 4-3/8" [110mm]  
|           |                                            | OD: 7-3/4" [197mm]  |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Baffles

30 Baffle, Self-flange

- Self-flange metal baffle with upper reflector
- Socket supporting baffle
- Torsion spring retention
- Accepts a wide range of lamps
- Makes installation Air-Tite regardless of housing used

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
<th>Dimensions**</th>
</tr>
</thead>
</table>
| HTTNB     | 100W A19, 150W A21, 75W PAR30S, 75W PAR30L, 150W PAR38, 85W BR30, 100W R30  | H: 5" [127mm]  
|           |                                            | OD: 7-1/4" [184mm]  |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6125 Full Cone Baffle, Self-flange

- Full cone baffle
- Torsion spring retention
- Socket supporting baffle
- Self-flange trim ring sized to hide gaps caused by construction tolerances

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
<th>Dimensions**</th>
</tr>
</thead>
</table>
| HTTNB     | 100W A19, 150W A21, 75W PAR30S, 75W PAR30L, 150W PAR38, 85W BR30, 120W BR40 | A: 5-3/8" [137mm]  
|           |                                            | H: 5-3/8" [138mm]  
|           |                                            | OD: 7-3/4" [197mm]  |

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:  A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
Specifications, compliances and dimensions subject to change without notice
Halo Recessed Catalog - 6" Recessed Downlighting

6126 Shallow Full Cone Baffle, Self-flange

- Shallow full cone baffle
- Torsion spring retention
- Socket supporting baffle
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>E7TATNB</th>
</tr>
</thead>
</table>
| 40W A19, 75W PAR30S, 75W PAR30L, 65W BR30 | Compatible with Halogen, Incandescent, LED* or CFL* lamps

Adjustable – Eyeballs & Gimbals

74 Eyeball 30° Tilt, Self-flange

- Provides optimum position for PAR30S lamps
- Torsion spring retention
- Socket supporting eyeball

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>E7TATNB</th>
</tr>
</thead>
</table>
| 75W PAR30S | Compatible with Halogen, Incandescent, LED* or CFL* lamps

76 Gimbal 30° Tilt, Self-flange

- For use with PAR38 lamps
- 30° tilt
- Torsion spring retention

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>E7TATNB</th>
</tr>
</thead>
</table>
| 150W PAR38, (Side prong lamp recommended) | Compatible with Halogen, Incandescent, LED* or CFL* lamps

78 Eyeball 30° Tilt, Self-flange

- 30° tilt, 360° rotation
- Torsion spring retention
- Wide choice of finishes for any decor
- Socket supporting eyeball
- 78PAT makes installation Air-Tite regardless of housing used

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>E7TATNB</th>
</tr>
</thead>
</table>
| 75W PAR30S, 75W PAR30L, 65W BR30, 75W R30 | Compatible with Halogen, Incandescent, LED* or CFL* lamps

376 Regressed Gimbal 30° Tilt, Self-flange

- 30° tilt
- Regressed gimbal with baffle
- Torsion spring retention
- Socket supporting gimbal

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>E7TATNB</th>
</tr>
</thead>
</table>
| 75W PAR30S | Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.

6 INCH Specifications, compliances and dimensions subject to change without notice
378 Regressed Gimbal with Splay 25° Tilt, Self-flange

- 25° tilt
- Regressed gimbal with splay trim
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Friction clips on trim
- Socket supporting gimbal

Housings Max Lamp Compatibility
H7TNB 75W PAR30S
E7TATNB 75W PAR30S Compatible with Halogen, Incandescent, LED* or CFL* lamps

419 Regressed Eyeball with Splay 25° Tilt

- Regressed eyeball with splay
- 25° tilt, 360° rotation
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Removable trim ring
- Socket supporting trim

Housings Max Lamp Compatibility
H7TNB 75W PAR30S
E7TATNB 75W PAR30S Compatible with Halogen, Incandescent, LED* or CFL* lamps

420 Regressed Eyeball 30° Tilt, Self-flange

- Regressed eyeball with baffle
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Socket supporting eyeball

Housings Max Lamp Compatibility
H7TNB 75W PAR30S, 75W PAR30L, 60W BR30
E7TATNB 75W PAR30S, 75W PAR30L Compatible with Halogen, Incandescent, LED* or CFL* lamps

478 Adjustable Regressed Gimbal with Splay 25° Tilt, Self-flange

- 25° tilt
- Adjustable gimbal with splay trim for PAR38 lamps
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Friction clips on trim
- Socket supporting gimbal

Housings Max Lamp Compatibility
H7TNB 100W PAR38
E7TATNB 100W PAR38 Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.
**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
Specifications, compliances and dimensions subject to change without notice
**E26 Screw Base Trims**

**Non-IC "NB" Housings: H7TNB • E7TATNB**

---

### 6130 Eyeball 35° Tilt, Self-flange

- 35° tilt, 360° rotation
- Adjustable eyeball trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting eyeball
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>E7TATNB</th>
</tr>
</thead>
<tbody>
<tr>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
<td></td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### 6170 Gimbal 25° Tilt, Self-flange

- 25° tilt, 360° rotation
- Adjustable gimbal for PAR38 lamps
- Torsion spring retention
- Socket supporting gimbal
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>E7TATNB</th>
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</thead>
<tbody>
<tr>
<td>90W PAR38</td>
<td></td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### 6215 Double Gimbal 30°-50° Tilt, Self-flange

- 30°-50° tilt, 360° rotation
- 50° tilt with double gimbal design using compound angles
- Double gimbal for PAR30 lamps
- Torsion spring retention
- Shallow housings are compatible with PAR30S (short-neck) lamps
- Socket supporting gimbal
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>E7TATNB</th>
</tr>
</thead>
<tbody>
<tr>
<td>75W PAR30S, 75W PAR30L</td>
<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### 6222 Regressed Angle Cut Adjustable Gimbal, 45° Tilt, Self-flange

- 45° tilt, 360° rotation
- Fully regressed gimbal – self-flange ring
- Torsion spring retention
- Socket supporting gimbal
- Reflector and baffle options
- Accommodates tilt of gimbal in a full regressed cut cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

#### Housings Max Lamp Compatibility

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>E7TATNB</th>
</tr>
</thead>
<tbody>
<tr>
<td>60W PAR16, 50W PAR20, 75W PAR30S, 75W PAR30L</td>
<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter**

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**Specifications, compliances and dimensions subject to change without notice**

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**Halo Recessed Catalog - 6” Recessed Downlighting**

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**Dimensions**

- **A:** 3-7/8” [100mm]
- **H:** 3-7/8” [100mm]
- **OD:** 7-3/4” [197mm]

**Dimensions**

- **A:** 4-1/2” [113mm]
- **H:** 1-1/5” [30 mm]
- **OD:** 7-3/4” [197mm]

**Dimensions**

- **A:** 3-3/8” [84mm]
- **H:** 2” [51mm]
- **OD:** 7-3/4” [197mm]

**Dimensions**

- **A:** 3-5/8” [95mm]
- **H:** 3-7/8” [100mm]
- **OD:** 7-3/4” [197mm]

**Dimensions**

- **A:** 3-7/8” [100mm]
- **H:** 2” [51mm]
- **OD:** 7-3/4” [197mm]
**E26 Screw Base Trims**

**Non-IC “NB” Housings: H7TNB • E7TATNB**

### Lenses & Wet Location Showerlights

#### 170 Albalite Lens with Reflector

- White trim with Albalite glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>60W A19</th>
</tr>
</thead>
<tbody>
<tr>
<td>E7TATNB</td>
<td>Compatible with Halogen, Incandescent, LED* or CFL* lamps</td>
</tr>
</tbody>
</table>

#### 171 Drop Opal Glass Lens with Reflector

- White trim with drop opal glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>60W A19</th>
</tr>
</thead>
<tbody>
<tr>
<td>E7TATNB</td>
<td>Compatible with Halogen, Incandescent, LED* or CFL* lamps</td>
</tr>
</tbody>
</table>

#### 172 Dome Glass Lens with Reflector

- Frosted glass dome
- Features “dead-front” construction and is wet location listed for use in showers
- Non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- Torsion spring retention
- Air-Tite trim makes any installation Air-Tite

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>100W A19, 75W PAR30S</th>
</tr>
</thead>
<tbody>
<tr>
<td>E7TATNB</td>
<td>Compatible with Halogen, Incandescent, LED* or CFL* lamps</td>
</tr>
</tbody>
</table>

#### 173 Fresnel Lens with Reflector

- White trim with glass Fresnel lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

**Housings Max Lamp Compatibility**

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>60W A19</th>
</tr>
</thead>
<tbody>
<tr>
<td>E7TATNB</td>
<td>Compatible with Halogen, Incandescent, LED* or CFL* lamps</td>
</tr>
</tbody>
</table>

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:**

- A: Luminous Aperture
- H: Height
- OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
**E26 Screw Base Trims**

Non-IC "NB" Housings: H7TNB • E7TATNB

---

**6145 Open Wet Location, Shallow Reflector, Self-flange**

- Open wet location shallow Showerlight for PAR30S and PAR30L outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings**
- H7TNB
- E7TATNB

**Max Lamp Compatibility**
- 75W PAR30S, 75W PAR30L, 150W PAR38

**Dimensions**
- A: 5-1/8" [130mm]
- H: 4-1/5" [107mm]
- OD: 7-3/4" [197mm]

**Lamp Gasket** (Included)

---

**6146 Open Wet Location, Full Reflector Self-flange**

- Open wet location Showerlight for PAR30S and PAR30L outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings**
- H7TNB
- E7TATNB

**Max Lamp Compatibility**
- 75W PAR30S, 75W PAR30L, 150W PAR38

**Dimensions**
- A: 5-3/8" [136mm]
- D: 7/8" [22mm]
- H: 4-3/8" [123mm]
- OD: 7-3/4" [197mm]

**Lamp Gasket** (Included)

---

**6150 Low Profile, Frosted Glass Dome Lens, Self-flange**

- Low profile, frosted glass dome lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive "dead-front" polymer (plastic) trim ring and glass lens
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings**
- H7TNB
- E7TATNB

**Max Lamp Compatibility**
- 60W A19, 60W PAR30S

**Dimensions**
- A: 5-1/8" [130mm]
- H: 4-1/8" [107mm]
- OD: 7-3/4" [197mm]

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
**Halo Recessed Catalog - 6" Recessed Downlighting**

### 6230 Squirrel Frost Glass Lens, Metal Trim, Self-flange

- Low profile frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Self-flange low profile metal trim ring
- Socket supporting internal bracket
- Integral rotation adjustment up to ±25° for precise alignment with room

#### Housings

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>E7TATNB</th>
</tr>
</thead>
</table>

#### Max Lamp Compatibility

- H7TNB: 72W A19, 75W PAR30S

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 6255 Soft Square, Frost Curved Glass Lens, Self-flange

- Low profile curved frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer (plastic) trim ring and glass lens
- Integral rotation adjustment up to ±25° for precise alignment with room
- Integrated socket supporting reflector for even illumination across lens corner-to-corner

#### Housings

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>E7TATNB</th>
</tr>
</thead>
</table>

#### Max Lamp Compatibility

- H7TNB: 72W A19, 75W PAR30S

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Open, Splay & Wall Wash

#### 430 Wall Wash with Baffle & Full Reflector

- Black or white step baffle with full reflector
- Designed to spread light close to the ceiling to eliminate the “cave effect”
- Torsion spring retention
- Makes installation Air-Tite regardless of housing used

#### Housings

<table>
<thead>
<tr>
<th>H7TNB</th>
<th>E7TATNB</th>
</tr>
</thead>
</table>

#### Max Lamp Compatibility

- H7TNB: 100W A19, 90W TB19, 100W BT15, 100W MB19

Compatible with Halogen, Incandescent, LED* or CFL* lamps

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warrant the lamp.

**Key:**
- A: Luminous Aperture
- H: Height
- OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
**H27T**

6" Non-IC, Shallow New Construction Housing, 120V

The H27T recessed housing is designed for shallow ceilings and is a standard in the industry for both light commercial and residential applications. H27 series features robust construction, feed-through listing, Got Nail! bar hangers; and may support use of higher wattage lamps. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. The H27T is for use in non-insulated shallow ceilings. If ceiling insulation is present, it must be kept 3" from all sides of housing. May be retrofit with compatible Halo LED lighting systems.

### Features

**Housing**
- Single wall die-stamped CRS housing
- White housing paint finish

**Plaster Frame**
- Galvanized steel construction
- The housing can be removed from plaster frame to provide access to the junction box
- Housing adjusts in plaster frame to accommodate ceilings up to 1-3/8" thick
- Plaster frame features include:
  - Patented recessed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Halo name embossed on plaster frame

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Includes:**
- Got Nail™ bar hangers (Details Pg. 13)
- q-Channel bars with Pass-N-Thru™ (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Quick Connect™ push wire nuts (Details Pg. 13)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

**Thermal Protector**
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- RoHS compliant
- IP rated (Improper Lamp)

### Special Features

- Got Nail™ bar hangers
- q-Channel bars with Pass-N-Thru™
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts

### Compatible Trims

<table>
<thead>
<tr>
<th>No.</th>
<th>70</th>
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<td>61211</td>
<td>61265</td>
<td>6215</td>
<td>6255</td>
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</table>

◊ Air-Tite trims can make the H27T installation ASTM E283 compliant (in a non-insulated ceiling)
H27RT

6" Non-IC, Shallow Remodel Housing, 120V

The H27RT recessed remodel housing is designed for shallow ceilings and is a standard in the industry for both light commercial and residential applications. H27 series shallow remodel housing features robust construction, full-sized remodel junction box; and may support use of higher wattage lamps. Designed for use in existing ceilings, the remodel housing slips through opening in the finished ceiling. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. The H27RT is for use in non-insulated shallow ceilings. If ceiling insulation is present, it must be kept 3" from all sides of housing. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
- Single wall die-stamped CRS shallow housing
- White housing paint finish
- For installation from below the finished ceiling. Integral flange secures fixture against ceiling.

Socket Plate
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

Remodel Springs
Four remodel springs secure housing and accommodate 1/2" and 5/8" ceiling material

Includes:
- Quick Connect™ push wire nuts (Details Pg. 13)

Junction Box
- Seven 1/2" trade size conduit knockouts with true pry-out slots are positioned to accommodate straight conduit runs
- Four non-metallic (NM) cable pry-outs included

Socket
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Overspray protector included

Thermal Protector
Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Special Features

Quick Connect™ push wire nuts

Compatible Trims

Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- RoHS compliant
- IP rated (Improper Lamp)

Trims

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal

74
78^ 301 378 6101 6109 6150
79 310 419 6102 6110 6215
170^ 328 420 6103 6121^ 6230
171^ 353 426 6106 6126^ 6255
172^ 4261 6107 6130

Trims for use in Halo listed housings

◊ Air-Tite trims can make the H27RT installation ASTM E283 compliant (in a non-insulated ceiling)
E27TAT
6” Non-IC, Air-Tite, Shallow New Construction Housing, 120V

The E27TAT is a compact and efficient shallow recessed Non-IC housing optimized and listed for EISA compliant tungsten-halogen, CFL and LED lamps as well as incandescent. Housing is suitable for residential or light commercial applications. For installation in non-insulated ceilings. If ceiling insulation is present, it must be kept 3" from all sides of housing. Housing features Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. May be retrofit with compatible Halo LED lighting systems.

Features

Housing
• Single wall die-formed shallow housing
• Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
• Integral Air-Tite gasket for code-required gasket between fixture and finished ceiling
• May be removed from the plaster frame to provide access to junction box

Socket Plate
• Rigid socket plate adjusts and locks without tools for various lamp sizes
• Socket plate and bracket may be removed when using socket supporting trims

Plaster Frame
• Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 3/8” – 1” ceiling thickness.
• (2) Regressed locking screws for securing hanger bars

Includes:
• All-Nail™ bar hangers (Details Pg. 15)
• q-Channel bars with Pass-N-Thru™ (Details Pg. 15)
• Hinged junction box with Slide-N-Side™ (Details Pg. 15)
• Quick Connect™ push wire nuts (Details Pg. 15)
• Air-Tite™ code compliant (Details Pg. 15)

Socket
• Porcelain socket with nickel plated brass screw shell
• Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
• Shipped with socket overspray protector installed

Thermal Protector
Self-resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

Compatible Trims

| 70 | 171 | 353 | 6100 | 6108 | 6145 |
| 71 | 172 | 376 | 6101 | 6109 | 6150 |
| 73 | 173 | 378 | 6102 | 6110 | 6160 |
| 74 | 301 | 419 | 6103 | 6121 | 6215 |
| 78 | 310 | 420 | 6106 | 6126 | 6230 |
| 79 | 328 | 426 | 6107 | 6130 | 6255 |
| 170 | 4261 |

Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

Compliance
• cULus Listed 1598 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
• RoHS compliant

Select trims are classified for use in other housings, see www.eaton.com/lighting/legal
**E27RTAT**

6" Non-IC, Air-Tite, Shallow Remodel Housing, 120V

The E27RTAT is a compact and efficient shallow recessed remodel Non-IC shallow housing optimized and listed for EISA compliant tungsten-halogen, CFL and LED lamps as well as incandescent. Housing is suitable for residential or light commercial applications. Installation in non-insulated ceilings. If ceiling insulation is present, it must be kept 3” from all sides of housing. Housing features Air-Tite code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. May be retrofit with compatible Halo LED lighting systems.

### Features

**Housing**
- Single wall die-formed housing
- Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
- Integral Air-Tite gasket for code-required gasket between fixture and finished ceiling
- May be removed from the plaster frame to provide access to junction box

**Remodel Retention System - Speed Clamps**
- Exclusive two integral speed clamps securely lock housing to ceiling, accommodating 3/8” to 2” ceiling materials

**Socket Plate**
- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

**Includes:**
- Hinged junction box with Slide-N-Side™ (Details Pg. 15)
- Quick Connect™ push wire nuts (Details Pg. 15)
- Air-Tite™ code compliant (Details Pg. 15)

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims
- Shipped with socket overspray protector installed

**Thermal Protector**
- Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

**Trims**
- Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

### Special Features

- Hinged j-box with Slide-N-Side™
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

### Compatible Trims

| 74 | 173 | 376 | 6101 | 6109 | 6145 |
| 78 | 301 | 419 | 6102 | 6110 | 6150 |
| 79 | 310 | 420 | 6103 | 6121 | 6215 |
| 170 | 328 | 426 | 6106 | 6126 | 6230 |
| 171 | 353 | 4261 | 6107 | 6130 | 6255 |
| 172 | 6100 | 6108 |

**Quick Connect™ Wiring Tray**
- (3) Color coded 4-port push-in wire nuts included
- Captive tray holds push-nuts in place for one-handed connections to line, neutral & ground
- Speeds installation and increases reliability
- No additional wire nuts required

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

---

Specifications, compliances and dimensions subject to change without notice
**E26 Screw Base Trims**

Non-IC Shallow Housings: H27T • H27RT • E27TAT • E27RTAT

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### Reflectors

#### 426 Reflector Cone
- Accepts a wide variety of lamps
- Coil spring retention
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H27T</td>
<td>75W PAR30S, 75W PAR30L, 85W BR30, 100W R30</td>
</tr>
<tr>
<td>H27RT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 75W R30</td>
</tr>
<tr>
<td>E27TAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30, 75W R30</td>
</tr>
<tr>
<td>E27RTAT</td>
<td>65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 4261 White Reflector Cone, Self-flange
- Accepts R and PAR lamps
- Coil spring retention

<table>
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<td>75W PAR30S, 75W PAR30L, 100W R30, 85W BR30</td>
</tr>
<tr>
<td>H27RT</td>
<td>75W PAR30S, 75W PAR30L, 75W R30, 65W BR30</td>
</tr>
<tr>
<td>E27TAT</td>
<td>75W PAR30S, 75W PAR30L, 75W R30, 65W BR30</td>
</tr>
<tr>
<td>E27RTAT</td>
<td>65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 6106 Straight Reflector Cone, Self-flange
- Straight sides of cone reflector for large diameter BR40 and PAR38, as well as BR30 and PAR30 lamps
- Self-flange reflector cone
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

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<tbody>
<tr>
<td>H27T</td>
<td>E27TAT 75W PAR30S, 75W PAR30L, 65W BR30</td>
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<tr>
<td>H27RT</td>
<td>E27RTAT 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 6107 Tapered Reflector, Self-flange
- Self-flange reflector cone
- Contoured tapered sides of cone reflector for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

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<td>H27T</td>
<td>E27TAT 75W PAR30S, 75W PAR30L, 65W BR30</td>
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<tr>
<td>H27RT</td>
<td>E27RTAT 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter**
E26 Screw Base Trims
Non-IC Shallow Housings: H27T • H27RT • E27TAT • E27RTAT

6121 Shallow Full Cone Reflector, Self-flange

- Shallow full cone reflector for A19, PAR30S and BR30 lamps
- Torsion spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
--- | ---
H27T | E27TAT
H27RT | E27RTAT

Dimensions**
A: 5-3/8" [137mm]
H: 4-3/8" [110mm]
OD: 7-3/4" [197mm]

Baffles

310 Collex® Baffle

- Black or white phenolic Collex baffle with white metal trim ring
- Removable trim ring
- Accessories available: TRM6 designer trim rings, OT403 oversize trim ring
- Coil spring retention

Housings | Max Lamp Compatibility
--- | ---
H27T | 75W PAR30S, 75W PAR30L, 65W BR30
H27RT | 75W PAR30S, 75W PAR30L, 65W BR30
E27TAT | 75W PAR30S, 75W PAR30L, 65W BR30
E27RTAT | 75W PAR30S, 75W PAR30L, 65W BR30

Dimensions**
H: 3-1/16" [78mm]
OD: 7-1/4" [184mm]

353 Metal Baffle

- Metallic finish trim rings and baffles
- Coil spring retention
- Removable trim ring

Housings | Max Lamp Compatibility
--- | ---
H27T | 75W PAR30S, 75W PAR30L, 65W BR30, 75W R30
H27RT | 75W PAR30S, 75W PAR30L, 65W BR30, 75W R30
E27TAT | 75W PAR30S, 75W PAR30L, 65W BR30, 75W R30
E27RTAT | 75W PAR30S, 75W PAR30L, 65W BR30, 75W R30

Dimensions**
H: 3" [76mm]
OD: 7-1/4" [184mm]

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
HALO  Halo Recessed Catalog - 6" Recessed Downlighting

Specifications, compliances and dimensions subject to change without notice

**6 INCH**

E26 Screw Base Trims

Non-IC Shallow Housings: H27T • H27RT • E27TAT • E27RTAT

### 6100 Tapered Metal Baffle with (2) Trim Rings

- Contoured tapered sides of metal baffle for BR30 and PAR30 lamps
- Two plastic removable trim rings included narrow 7.25"OD and wide oversized 8.00"OD
- Coil spring retention

<table>
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<tbody>
<tr>
<td>H27T</td>
<td>E27TAT 75W PAR30S, 75W PAR30L, 65W BR30</td>
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<td>H27RT</td>
<td>E27RTAT 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 6101 Straight Metal Baffle with (2) Trim Rings

- Straight sides of metal baffle for large diameter lamps
- Two plastic removable trim rings included narrow 7.25"OD and wide 8.00"OD
- Coil spring retention

<table>
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<td>E27TAT 75W PAR30S, 75W PAR30L, 65W BR30</td>
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<tr>
<td>H27RT</td>
<td>E27RTAT 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 6102 Tapered Metal Baffle, Self-flange

- Contoured tapered sides of metal baffle
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

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<tr>
<td>H27RT</td>
<td>E27RTAT 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 6103 Straight Metal Baffle, Self-flange

- Straight sides of metal baffle for large diameter lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

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<td>H27RT</td>
<td>E27RTAT 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 6108 Coilex® Straight Plastic Baffle, Self-flange

- Straight sides of Coilex baffle for large diameter BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

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<tbody>
<tr>
<td>H27T</td>
<td>E27TAT 75W PAR30S, 75W PAR30L, 65W BR30</td>
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<td>H27RT</td>
<td>E27RTAT 65W BR30</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter**
### 6109 Coilex™ Tapered Baffle, Self-flange
- Contoured tapered sides of Coilex baffle for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

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<tbody>
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<td>H27T</td>
<td>E27TAT 75W PAR30S, 75W PAR30L, 65W BR30</td>
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<tr>
<td>H27RT</td>
<td>E27RTAT 75W PAR30S, 75W PAR30L, 65W BR30</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 6110 Perftex™ Baffle, Self-flange
- Perforated pattern baffle contoured for BR30 and PAR30 lamps
- Coil spring retention
- Self-flange trim ring sized to hide gaps caused by construction tolerances

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<td>E27TAT 75W PAR30S, 75W PAR30L, 65W BR30</td>
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<tr>
<td>H27RT</td>
<td>E27RTAT 75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### 6126 Shallow Full Cone Baffle, Self-flange
- Shallow full cone baffle for A19 and PAR30S lamps
- Torsion spring retention
- Socket supporting baffle
- Self-flange trim ring sized to hide gaps caused by construction tolerances

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<tbody>
<tr>
<td>H27T</td>
<td>E27TAT 40W A19, 75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
<tr>
<td>H27RT</td>
<td>E27RTAT 75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Adjustable – Eyeballs & Gimbals

#### 74 Eyeball 30° Tilt, Self-flange
- Provides optimum position for PAR30S lamps
- Torsion spring retention
- Socket supporting eyeball

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<tr>
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<td>E27TAT 75W PAR30S</td>
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<tr>
<td>H27RT</td>
<td>E27RTAT 75W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

#### 78 Eyeball 30° Tilt, Self-flange
- 30° tilt, 360° rotation
- Torsion spring retention
- Wide choice of finishes for any decor
- Socket supporting eyeball
- 78PAT makes installation Air-Tite regardless of housing used

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<tr>
<td>H27RT</td>
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<tr>
<td>E27TAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
<tr>
<td>E27RTAT</td>
<td>75W PAR30S, 75W PAR30L, 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.
376 Regressed Gimbal 30° Tilt, Self-flange

- 30° tilt
- Regressed gimbal with baffle
- Torsion spring retention
- Socket supporting gimbal

**Specifications, compliances and dimensions subject to change without notice**

### Housings Max Lamp Compatibility

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<tr>
<td>H27RT</td>
<td>E27RTAT 75W PAR30S</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

376W
White Baffle, White Trim

376P
Black Baffle, White Trim

Dimensions**
OD: 7-1/4” [184mm]

378 Regressed Gimbal with Splay 25° Tilt, Self-flange

- 25° tilt
- Regressed gimbal with splay trim
- Removable trim ring
- Accessories available: TRM6 designer trim rings, DT403 oversize trim ring
- Friction clips on trim
- Socket supporting gimbal

**Specifications, compliances and dimensions subject to change without notice**

### Housings Max Lamp Compatibility

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<td>H27RT</td>
<td>E27RTAT 75W PAR30S</td>
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</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

378P
White Splay, White Trim

378
Clear Specular Splay, White Trim

Friction Clips on Trim

Dimensions**
OD: 7-1/4” [184mm]

419 Regressed Eyeball with Splay 25° Tilt

- Regressed eyeball with splay
- 25° tilt, 358° rotation
- Accessories available: TRM6 designer trim rings, DT403 oversize trim ring
- Removable trim ring
- Socket supporting trim

**Specifications, compliances and dimensions subject to change without notice**

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<td>E27RTAT 75W PAR30S</td>
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</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

419P
White Eyeball & Splay, White Trim

Dimensions**
OD: 7-1/4” [184mm]

420 Regressed Eyeball 30° Tilt, Self-flange

- Regressed eyeball with baffle splay
- 30° tilt, 358° rotation
- Accessories available: TRM6 designer trim rings, DT403 oversize trim ring
- Removable trim ring
- Socket supporting eyeball

**Specifications, compliances and dimensions subject to change without notice**

### Housings Max Lamp Compatibility

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</tr>
<tr>
<td>H27RT</td>
<td>75W BR30, E27RTAT 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

420W
White Eyeball & Baffle, White Trim

420P
White Eyeball & Black Baffle, White Trim

Dimensions**
A: 4” [100mm]
H: 4” [102mm]
OD: 7-1/4” [184mm]

6130 Eyeball 35° Tilt, Self-flange

- 35° tilt, 360° rotation
- Adjustable eyeball trim for BR30 and PAR30 lamps
- Torsion spring retention
- Socket supporting eyeball
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Specifications, compliances and dimensions subject to change without notice**

### Housings Max Lamp Compatibility

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<tr>
<td>H27RT</td>
<td>E27RTAT 65W BR30</td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

6130WH
White Eyeball, White Self-flange

Dimensions**
A: 2-7/8” [100mm]
H: 3-7/8” [100mm]
OD: 7-3/4” [197mm]
6215 Double Gimbal 30°-50° Tilt, Self-flange

- 30°-50° tilt, 360° rotation
- 50° tilt with double gimbal design using compound angles
- Double gimbal for PAR30S lamps
- Torsion spring retention
- Shallow housings are compatible with PAR30S (short-neck) lamps
- Socket supporting gimbal
- Self-flange trim ring sized to hide gaps caused by construction tolerances

Housings | Max Lamp Compatibility
---|---
H27T | E27TAT | 60W PAR30S
H27RT | E27RTAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

Lenses & Wet Location Showerlights

70 Albalite Glass Lens

- White trim, glass Albalite lens
- PS version features “dead-front” construction and is wet location listed for use in showers
- PS version features non-conductive, non-corrosive polymer (plastic) trim ring
- Torsion spring retention

Housings | Max Lamp Compatibility
---|---
H27T | 60W A19
E27TAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

71 Drop Opal Glass Lens

- White trim, drop opal glass lens
- PS version features “dead-front” construction and is wet location listed for use in showers
- Non-conductive, non-corrosive polymer (plastic) trim ring
- Torsion spring retention

Housings | Max Lamp Compatibility
---|---
H27T | 60W A19
E27TAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

73 Fresnel Glass Lens

- White trim with glass Fresnel lens
- PS version features “dead-front” construction and is wet location listed for use in showers
- Non-conductive, non-corrosive polymer (plastic) trim ring
- Torsion spring retention

Housings | Max Lamp Compatibility
---|---
H27T | 60W A19
E27TAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice
### E26 Screw Base Trims
#### Non-IC Shallow Housings: H27T • H27RT • E27TAT • E27RTAT

### 170 Albalite Lens with Reflector
- White trim with Albalite glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

#### Housings Max Lamp Compatibility
- H27T E27TAT 60W A19
- H27RT E27RTAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions**
- H: 4” [102mm]
- OD: 8” [203mm]

### 171 Drop Opal Glass Lens with Reflector
- White trim with drop opal glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

#### Housings Max Lamp Compatibility
- H27T E27TAT 60W A19
- H27RT E27RTAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions**
- H: 4” [102mm]
- OD: 8” [203mm]

### 172 Dome Glass Lens with Reflector
- Frosted glass dome
- Features “dead-front” construction and is wet location listed for use in showers
- Non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- Torsion spring retention
- Air-Tite trim makes any installation Air-Tite

#### Housings Max Lamp Compatibility
- H27T E27TAT 100W A19, 75W PAR30S
- H27RT E27RTAT 72W A19, 75W PAR30S

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions**
- H: 2-1/8” [54mm]
- OD: 7-3/4” [197mm]

### 173 Fresnel Lens with Reflector
- White trim with glass Fresnel lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

#### Housings Max Lamp Compatibility
- H27T E27TAT 60W A19
- H27RT E27RTAT

Compatible with Halogen, Incandescent, LED* or CFL* lamps

### Dimensions**
- H: 4” [102mm]
- OD: 8” [203mm]

---

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
**E26 Screw Base Trims**

**Non-IC Shallow Housings: H27T • H27RT • E27TAT • E27RTAT**

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### 6145 Open Wet Location, Shallow Reflector, Self-flange

- Open wet location shallow Showerlight for PAR30S and PAR38 outdoor rated lamps ONLY
- Torsion spring retention
- Socket supporting cone
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings**

<table>
<thead>
<tr>
<th>H27T</th>
<th>E27TAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>75W PAR30S, 75W PAR30L, 150W PAR38</td>
<td></td>
</tr>
</tbody>
</table>

**H27RT E27RTAT**

75W PAR30S, 75W PAR30L, 90W PAR38

Compatible with Halogen, Incandescent, LED* or CFL* lamps

---

### 6150 Low Profile, Frosted Glass Dome Lens, Self-flange

- Low profile, frosted glass dome lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer (plastic) trim ring and glass lens
- Socket supporting internal reflector
- Self-flange trim ring sized to hide gaps caused by construction tolerances

**Housings**

<table>
<thead>
<tr>
<th>H27T</th>
<th>E27TAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>60W A19, 60W PAR30S</td>
<td></td>
</tr>
</tbody>
</table>

**H27RT E27RTAT**

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### 6160 Drop White Plastic Lens, Self-flange

- Wet location Showerlight
- Non-conductive “dead-front” polymer (plastic) trim and lens
- Torsion spring retention

**Housings**

<table>
<thead>
<tr>
<th>H27T</th>
<th>E27TAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>60W A19, 39W PAR30S</td>
<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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### 6230 Squircle Frost Glass Lens, Metal Trim, Self-flange

- Low profile frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Self-flange low profile metal trim ring
- Socket supporting internal bracket
- Integral rotation adjustment up to +/- 25° for precise alignment with room

**Housings**

<table>
<thead>
<tr>
<th>H27T</th>
<th>E27TAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>60W A19, 60W PAR30S</td>
<td></td>
</tr>
</tbody>
</table>

Compatible with Halogen, Incandescent, LED* or CFL* lamps

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*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warrant the lamp.

**Key:** A: Luminous Aperture, H: Height, OD: Trim Outside Diameter

Specifications, compliances and dimensions subject to change without notice.

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**HALO** Halo Recessed Catalog - 6” Recessed Downlighting
6255  Soft Square, Frost Curved Glass Lens, Self-flange

- Low profile curved frost glass lens
- Wet location Showerlight
- Torsion spring retention
- Non-conductive “dead-front” polymer (plastic) trim ring and glass lens
- Integral rotation adjustment up to +/− 25° for precise alignment with room
- Integrated socket supporting reflector for even illumination across lens corner-to-corner

Housings  Max Lamp Compatibility
H27T  E27TAT  60W A19, 60W PAR30S
H27RT  E27RTAT
Compatible with Halogen, Incandescent, LED* or CFL* lamps

Open, Splay & Wall Wash

79  Pinhole Trim

- 1-7/8” open pinhole for R20 lamp
- Torsion spring retention

Housings  Max Lamp Compatibility
H27T  75W PAR30S
H27RT  50W PAR30S
E27TAT  75W PAR30S
E27RTAT  50W PAR30S
Compatible with Halogen, Incandescent, LED* or CFL* lamps

301  Open Trim

- Open trim for BR30, R30, and PAR30 lamps
- Coil spring retention

Housings  Max Lamp Compatibility
H27T  75W PAR30S, 75W PAR30L, 65W BR30, 75W R30
H27RT  50W PAR30S, 50W PAR30L, 65W BR30
E27TAT  75W PAR30S, 75W PAR30L, 65W BR30
E27RTAT  50W PAR30S, 50W PAR30L, 65W BR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

328  White Splay Trim

- Splay trim for BR30 and PAR30 lamps
- Coil spring retention

Housings  Max Lamp Compatibility
H27T  75W PAR30S, 75W PAR30L, 85W BR30, 100W R30
H27RT  50W PAR30S, 50W PAR30L, 85W BR30
E27TAT  75W PAR30S, 75W PAR30L, 85W BR30
E27RTAT  50W PAR30S, 50W PAR30L, 85W BR30
Compatible with Halogen, Incandescent, LED* or CFL* lamps

*UL1993 listed LED & CFL equivalent lamps permitted. Consult lamp manufacturer for conditions of use. Eaton does not warranty the lamp.

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
E26 Screw Base
Slope Ceiling Solutions
H47ICT

6" IC, New Construction Slope Housing, 120V

Designed for sloped ceiling installations for ceilings from 2/12 to 6/12 pitch. The socket aiming mechanism allows the lamp to be aimed straight down in accordance with ceiling pitch (2/12 to 6/12). H47ICT is designed for use in insulated ceilings where they housing will be in direct contact with insulation*. 

Features

Housing
Aluminum double wall housing construction

Plaster Frame
Housing adjusts in plaster frame to accommodate up to 1" ceiling thickness. Galvanized steel construction. Plaster frame features include:
• Regressed locking screw for securing hanger bars
• Cutouts for easily crimping hanger bars in position
• Halo name embossed on plaster frame. The housing may be removed from plaster frame to provide access to the junction box.

Includes:
• Got Nail™ bar hangers (Details Pg. 13)
• Slide-N-Side™ junction box wire traps (Details Pg. 13)
• Pass-N-Thru™ bars (Details Pg. 13)

Socket
• Porcelain socket with nickel plated brass screw shell, snaps into socket plate (or into socket supporting trim for consistent lamp positioning)
• Exclusive socket aiming mechanism swivels and rotates to properly align lamp. Slope indicator provides quick and consistent lamp settings (factory set for 3/12 slope).
• Shipping insert protects socket from overspray.

Compatibility
• cULus Listed 1598 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• cULus Listed for feed through
• cULus Listed for direct contact with insulation and combustible material*
• RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

For proper slope aiming install with junction box in downward position

Improper install

Special Features

Compliances

Compatible Trims

Halo Recessed Catalog - 6" Recessed Downlighting
H47ICAT

6" IC, Air-Tite, New Construction Slope Housing, 120V

Designed for sloped ceiling installations for ceilings from 2/12 to 6/12 pitch. The socket aiming mechanism allows the lamp to be aimed straight down in accordance with ceiling pitch (2/12 to 6/12). H47ICAT is designed for use in insulated ceilings where the housing will be in direct contact with insulation*. H47ICAT is Air-Tite gasketed to limit airflow between conditioned spaces and unconditioned areas.

Features

Housing
Aluminum double wall housing construction

Plaster Frame
Housing adjusts in plaster frame to accommodate up to 1" ceiling thickness. Galvanized steel construction. Plaster frame features include:
- Regressed locking screw for securing hanger bars
- Cutouts for easily crimping hanger bars in position
- Halo name embossed on plaster frame. The housing may be removed from plaster frame to provide access to the junction box.
- Pre-installed Air-Tite™ ready ceiling contact gasket

Includes:
- Got Nail™ bar hangers (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Pass-N-Thru™ bars (Details Pg. 13)
- Air-Tite™ code compliant (Details Pg. 13)

Socket
- Porcelain socket with nickel plated brass screw shell, snaps into socket plate (or into socket supporting trim for consistent lamp positioning)
- Exclusive socket aiming mechanism swivels and rotates to properly align lamp. Slope indicator provides quick and consistent lamp settings (factory set for 3/12 slope). Shipping insert protects socket from overspray.

Compliance
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

Special Features
- Got Nail™ bar hangers
- Pass-N-Thru™ bars
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

Compatible Trims

<table>
<thead>
<tr>
<th>Width</th>
<th>Depth</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>78</td>
<td>496</td>
<td></td>
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<tr>
<td>170</td>
<td>498</td>
<td></td>
</tr>
<tr>
<td>1417</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
H47T

6” Non-IC, New Construction Slope Housing, 120V

Designed for sloped ceiling installations for ceilings from 2/12 to 6/12 pitch. The socket aiming mechanism allows the lamp to be aimed straight down in accordance with the ceiling pitch (2/12 to 6/12). For use in non-insulated ceilings. If ceiling insulation is present, it must be kept 3” from all sides of housing. Unique telescoping housing feature allows adjustment for lamp regression and joist height of 2” x 8” or higher.

Features

**Housing**
- Telescoping housing for ceiling construction 2” x 8” or higher
- With deeper ceilings the housing provides deeper lamp regression with sharper cutoff

**Junction Box**
- Seven 1/2” trade size conduit knockouts with true pry-out slots are positioned to accommodate straight conduit runs
- Four non-metallic (NM) cable pry-outs included

**Socket**
- Porcelain socket with nickel plated brass screw shell
- Exclusive socket aiming mechanism swivels and rotates to properly align lamp
- Slope indicator provides quick and consistent lamp settings (factory set for 3/12 slope). Shipping insert protects socket from overspray.

Includes:
- Got Nail™ bar hangers (Details Pg. 13)
- Slide-N-Side™ junction box wire traps (Details Pg. 13)
- Pass-N-Thru™ bars (Details Pg. 13)

**Integral Thermal Protector**
Thermal protector guards against misuse of insulation materials

**Compliance**
- cULus Listed 1598 luminaire
- cULus Listed damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for feed through
- RoHS compliant
- IP rated (Improper lamp)

Special Features
- Got Nail™ bar hangers
- Pass-N-Thru™ bars
- Slide-N-Side™ junction box
- Quick Connect™ push wire nuts

Compatible Trims

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>78°</td>
<td>496</td>
</tr>
<tr>
<td>170°</td>
<td>498</td>
</tr>
</tbody>
</table>

◊ Air-Tite trims can make the H47T installation ASTM E283 compliant (in a non-insulated ceiling)

For proper slope aiming install with junction box in downward position

Improper install

Dimensions:
- Ceiling opening: 10-1/2” [267mm] to 14-3/4” [375mm]
- 6-1/2” to 8-3/4” [165mm to 222mm]
- 5-1/4” [133mm]
- 6-3/4” [171mm]
E26 Screw Base H47 Series Slope Trims
H47 Series Housings: H47ICT • H47ICAT • H47T

78 Eyeball 30°Tilt, Self-flange

- 30° tilt, 360° rotation
- Torsion spring retention
- Wide choice of finishes for any decor
- Socket supporting eyeball
- 78PAT makes installation Air-Tite regardless of housing used

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H47ICT</td>
<td>65W BR30, 75W R30</td>
</tr>
<tr>
<td>H47ICAT</td>
<td></td>
</tr>
<tr>
<td>H47T</td>
<td></td>
</tr>
</tbody>
</table>

78P White Eyeball, White Trim
78PAT White Eyeball, White Trim
78SN Satin Nickel Eyeball, Satin Nickel Trim
78TBZ Tuscan Bronze Eyeball, Tuscan Bronze Trim

Dimensions**
A: 4" [102mm]
H: 4-1/8" [105mm]
OD: 8" [203mm]

1417 Low Voltage Eyeball with Baffle 30°Tilt

- Low voltage trim
- Includes 120V transformer for retrofit to H7T and H7RT housings
- Torsion spring retention

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H47ICT</td>
<td>20W 12V MR16</td>
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<td>H47ICAT</td>
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<tr>
<td>H47T</td>
<td>50W 12V MR16</td>
</tr>
</tbody>
</table>

1417W White Baffle, White Trim
1417P Black Baffle, White Trim

Dimensions**
OD: 7-1/4" [184mm]

170 Albalite Glass Lens with Reflector

- White trim with Albalite glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

<table>
<thead>
<tr>
<th>Housings</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H47ICT</td>
<td>60W A19</td>
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<tr>
<td>H47ICAT</td>
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</tr>
<tr>
<td>H47T</td>
<td></td>
</tr>
</tbody>
</table>

170P Albalite Lens, White Trim
170PS Albalite Lens, Polymer White Trim

Dimensions**
H: 4" [102mm]
OD: 8" [203mm]

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter
Specifications, compliances and dimensions subject to change without notice
H645IC

6" IC, Air-Tite, New Construction Slope Housing, 120V

Designed for sloped ceiling installations for ceilings from 2/12 to 12/12 pitch. The socket aiming mechanism allows the lamp to be aimed straight down in accordance with ceiling pitch (2/12 to 12/12). H645IC is designed for use in insulated ceilings where the housing will be in direct contact with insulation*. H645IC is Air-Tite gasketed to limit airflow between conditioned spaces and unconditioned areas.

Features

Housing
Aluminum double wall housing construction

Plaster Frame
Housing adjusts in plaster frame to accommodate up to 1” ceiling thickness. Galvanized steel construction. Plaster frame features include:
• Regressed locking screw for securing hanger bars
• Cutouts for easily crimping hanger bars in position
• Halo name embossed on plaster frame. The housing may be removed from plaster frame to provide access to the junction box.
• Pre-installed Air-Tite™ ready ceiling contact gasket

Includes:
• Got Nail™ bar hangers (Details Pg. 13)
• Slide-N-Side™ junction box wire traps (Details Pg. 13)
• Pass-N-Thru™ bars (Details Pg. 13)
• Air-Tite™ code compliant (Details Pg. 13)

Socket
Exclusive socket aiming mechanism swivels and rotates to properly align lamp. Lamp socket and trim can be adjusted 20° laterally for compound slope ceiling or to compensate for off axis aiming. Shipping insert protects socket from overspray.

Integral Thermal Protector
Integral thermal protector guards against improper lamping

Special Features

Got Nail™ bar hangers
Pass-N-Thru™ bars
Slide-N-Side™ junction box
Quick Connect™ push wire nuts
Air-Tite™ code compliant

Compatible Trims

<table>
<thead>
<tr>
<th>78</th>
<th>455</th>
</tr>
</thead>
<tbody>
<tr>
<td>170</td>
<td>456</td>
</tr>
</tbody>
</table>

Compliance

• cULus Listed 1598 luminaire
• cULus Listed damp location
• cULus Listed for wet location, covered ceiling, with select trims
• cULus Listed for feed through
• cULus Listed for direct contact with insulation and combustible material*
• Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
• Rated for 20W maximum
• Refer to specification sheets online for additional compliance information
• RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

For proper slope aiming install with junction box in upward position

Improper Install
**455 Specular Reflector**
- Clear, gold or haze reflector
- Removable trim ring
- Accessories available: TRM6 designer trim rings, DT403 oversize trim ring

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H645IC</td>
<td>65W BR30, 75W R30, 75W PAR30L</td>
</tr>
</tbody>
</table>

**Dimensions**
- OD: 7-1/4” [184mm]

**456 Seamless Coilex® Baffle Trims**
- One piece seamless baffle
- Accessories available: TRM6 designer trim rings, DT403 oversize trim ring

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H645IC</td>
<td>50W PAR30L, 75W BR30 (75W PAR30L with H1999 Socket Extender)</td>
</tr>
<tr>
<td></td>
<td>50W PAR30L, 50W PAR30L</td>
</tr>
</tbody>
</table>

**Dimensions**
- OD: 7-1/4” [184mm]

**Accessory - H1999**
- Socket Extender

**78 Eyeball 30° Tilt, Self-flange**
- 30° tilt, 360° rotation
- Torsion spring retention
- Wide choice of finishes for any decor
- Socket supporting eyeball
- 78PAT makes installation Air-Tite regardless of housing used

<table>
<thead>
<tr>
<th>Housing</th>
<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H645IC</td>
<td>65W BR30, 75W R30, 75W PAR30L</td>
</tr>
</tbody>
</table>

**Dimensions**
- A: 4” [100mm]
- H: 4-1/8” [105mm]
- OD: 8” [203mm]

**170 Albalite Glass Lens with Reflector**
- White trim with Albalite glass lens
- PS version features non-conductive, non-corrosive gasketed polymer (plastic) trim ring
- PS version is “dead-front” construction and is wet location listed for use in showers
- Torsion spring retention
- PS version is Air-Tite; making any installation Air-Tite

<table>
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<th>Max Lamp Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>H645IC</td>
<td>60W A19</td>
</tr>
</tbody>
</table>

**Dimensions**
- OD: 8” [203mm]

**Key: A: Luminous Aperture, H: Height, OD: Trim Outside Diameter**

Specifications, compliances and dimensions subject to change without notice
**Specifications, compliances and dimensions subject to change without notice**

**H37T - 401AL Heat Light, Non-IC**
- **Finish:** White (P)
- **Housing:** 6" OD x 3-1/2" Height
- **Trim:** Brushed aluminum
- **Rating:** Improper Lamp (IP) Rated
- **250W infra-red. For non-insulated ceilings. If insulation is present it must be kept 3’ from the fixture on all sides.**

**H2922ICT Step Light**
- **Finish:** White (P)
- **Housing:** 11-5/8" L x 3-1/2" D x 5-1/2" H
- **Trim:** 9-3/8" L x 5-3/4" H
- **Rating:** IC rated for direct contact with insulation* and combustible materials. Improper Lamp (IP) Rated
- **Step light with white louver trim.**

**H2922-120PL Step Light**
- **Finish:** White (P)
- **Housing:** 8" L x 3-1/2" D x 4-1/2" H
- **Trim:** 9-3/8" L x 5-3/4" H
- **Rating:** IC rated for direct contact with insulation* and combustible materials
- **Step light with white louver trim. Wiring connections are made in fixture. 25W A19 lamp.**

**H2932ICTW Lensed Wall / Step Light**
- **Finish:** White (P)
- **Housing:** 11-1/2" L (enclosure and J-box) x 5-1/2" W x 3-1/2" D
- **Trim:** 5-3/4" H x 9-3/8" L
- **Lamp:** 25W, A19 max.
- **cuLus Listed for wall mounting in insulation. IC rated for direct contact with insulation* and combustible material, cuLus listed for damp location, and feed through. White trim with albalite glass lens.**

**H2920ICT Step Light**
- **Finish:** White (P)
- **Housing:** 8" L x 3-1/2" D x 4-1/2" H
- **Trim:** 9-3/8" L x 5-3/4" H
- **Rating:** IC rated for direct contact with insulation* and combustible materials. Improper Lamp (IP) Rated
- **Step light with white louver trim. Wiring connections are made in fixture. 25W A19 lamp.**

**H2932T Closet Light/Shallow Rectangle, Non-IC**
- **Finish:** White (P)
- **Housing:** 11-5/8" L x 3-1/2" D x 5-1/2" H
- **Trim:** 9-3/8" L x 5-3/4" H
- **Rating:** cuLus Listed
- **60W A19 lamp. White trim with Albalite diffuser. Junction box rated for feed through branch applications. For non-insulated ceilings. If insulation is present, it must be kept 3’ from the fixture on all sides.**

**H2900T Thru-Wall Light, Non-IC**
- **Finish:** White (P)
- **Housing:** 13-1/2" L x 4" D x 8-1/4" H
- **Trim:** 11-3/8" L x 7-3/4" H
- **Rating:** Non-IC, Improper Lamp (IP) Rated
- **Provides lighting on each side of wall. 100W A19 max. Albalite lens. For non-insulated walls. If insulation is present, it must be kept 3’ from the fixture on all sides.**

**477 Power-Trac Adapter Trim**
- **Finish:** White with Black Baffle (477P), White with White Baffle (477W)
- **OD:** 7-1/4"
- **Allow (120V) trac lampholders (150W max) to be used with recessed installations. Use with H1T, H7ICT, H7T, H7RICT and H27RT housings.**

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*[Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)]
Specifications, compliances and dimensions subject to change without notice

HALO Halo Recessed Catalog - Specialty Products & Accessories

**Specialty Products & Accessories**

**GA-ATHx-6PK**
Optional accessory gasket covers the ceiling cut-out opening on a finished ceiling, for use with H5 & H7 Air-Tite ID housings.

**GA-ATH5-6PK** H5ICAT Air-Tite™ gaskets (6-Pack)
**GA-ATH7-6PK** H7ICAT Air-Tite™ gaskets (6-Pack)

**Designer Finish Trim Rings**

<table>
<thead>
<tr>
<th>Trim Code</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRM6C</td>
<td>Chrome</td>
</tr>
<tr>
<td>TRM6SN</td>
<td>Satin Nickel</td>
</tr>
<tr>
<td>TRM6TBZ</td>
<td>Tuscan Bronze</td>
</tr>
<tr>
<td>TRM6MB</td>
<td>Black Metal</td>
</tr>
<tr>
<td>TRM7MB</td>
<td>Black Plastic</td>
</tr>
</tbody>
</table>


*Originally supplied with TRM6P white metal trim rings. All others are supplied with white plastic trim rings.

**Oversized Trim Rings**

For use when ceiling opening is cut too large.

**For use with 6” trims:** 310, 376, 378, 400, 404, 405, 410, 416, 419, 420, 424, 425, 426, 429, 477, 478, 1412, 1416, 1417.

<table>
<thead>
<tr>
<th>Trim Code</th>
<th>Size</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>OT400P</td>
<td>6” ID x 9-1/4” OD</td>
<td>Oversized white metal trim ring for designated 6” trims.</td>
</tr>
<tr>
<td>OT403P</td>
<td>6” ID x 8” OD</td>
<td>Oversized white plastic trim ring for designated 6” trims.</td>
</tr>
</tbody>
</table>

**For use with 4” trims:** 990, 992, 993, 994, 996, 998, 999, 1419, 1420, 1421, 1493 and 1498.

<table>
<thead>
<tr>
<th>Trim Code</th>
<th>Size</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>OT999P</td>
<td>4” ID x 5-3/4” OD</td>
<td>Oversized white metal trim ring.</td>
</tr>
</tbody>
</table>

**Oversized Trim Ring**

**For use when ceiling opening is cut too large.**

**Oversized Trim Ring**

**For use with 5” trims:** 5000 series straight sided trims ONLY. (Not for use with 5100, 5200 or 5300 series trims)

<table>
<thead>
<tr>
<th>Trim Code</th>
<th>Size</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>OT460P</td>
<td>7-1/2” ID x 11-1/4” OD</td>
<td>Oversized white metal trim ring</td>
</tr>
<tr>
<td>OT500P</td>
<td>6” ID x 7-1/4” OD</td>
<td>Oversized white polymer trim ring for use with 5”, 5000 series straight sided trims ONLY. (Not for use with 5100, 5200 or 5300 series trims)</td>
</tr>
</tbody>
</table>

**Dichroic Color Filters**
For low voltage MR16 units

<table>
<thead>
<tr>
<th>Filter Code</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>L114</td>
<td>UV Filter</td>
</tr>
<tr>
<td>L120</td>
<td>Red</td>
</tr>
<tr>
<td>L121</td>
<td>Amber</td>
</tr>
<tr>
<td>L122</td>
<td>Yellow</td>
</tr>
<tr>
<td>L123</td>
<td>Green</td>
</tr>
<tr>
<td>L124</td>
<td>Daylight</td>
</tr>
<tr>
<td>L125</td>
<td>Blue</td>
</tr>
<tr>
<td>L127</td>
<td>Cosmetic Color Filters</td>
</tr>
<tr>
<td>L130</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

**Transformer**

<table>
<thead>
<tr>
<th>Transformer Code</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>H277</td>
<td>Steps 277V line voltage down to 120V fixture operating voltage. 300VA max. For use with Non-IC H7 housings.</td>
</tr>
<tr>
<td>H347</td>
<td>Same as above but steps 347V down to 120V, 75 VA max. For use with Non-IC H7 housings.</td>
</tr>
<tr>
<td>H347200</td>
<td>Same as above but steps 347V down to 120V, 200 VA max. For use with Non-IC H7 housings.</td>
</tr>
</tbody>
</table>

**6” Retrofit Adapter Band (ML7RAB)**
Provides torsion spring mounting capability for 6” housings that do not have torsion spring brackets. 4 pack includes: 4 - retrofit adapter bands, 16 - metal piercing screws, 8 - retrofit lever-action wire nuts.

**Optical Lenses**
For low voltage MR16 units

<table>
<thead>
<tr>
<th>Filter Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L110</td>
<td>Diffuse sand blasted lens</td>
</tr>
<tr>
<td>L111</td>
<td>Soft focus textured lens</td>
</tr>
<tr>
<td>L113</td>
<td>Prismatic lens</td>
</tr>
<tr>
<td>L115</td>
<td>Linear spread lens</td>
</tr>
</tbody>
</table>
### Accessories

#### H930 R/PAR Lamp Aiming Accessory

For H7T, H7RT, H7ICT, H7ICAT, H7RICT, H7RICAT housings with 310 and 426 trims. Allows lamp to be aimed up to 30° from vertical and rotated 358°. See housing-trim selection for lamp listings.

#### Socket Extender

**H1999**

**Details**

For use with selected trims and housings. Extends lamp 1" (25mm).

#### Coil Springs (RS7H)

Set of 4 coil springs for use with coil spring compatible trims

#### SD2925 Screwdriver

Screwdriver for tamper resistant screws supplied with H2925 and H2926 brick lights

#### Oversized LED Retrofit Housing Adapter

**OH70WH**

**Size**

6” ID x 9-1/4” OD

**Details**

Oversize housing adapter. For use with open frame retrofit enclosures ML7E26RFK and ML7BXRFK.

#### 6” Open Frame LED Retrofit

**ML7BXRFK**

**Details**

6” Non-IC LED retrofit enclosure with hard-wired BX connection for retrofit of 6” open frame fixtures

**ML7E26RFK**

**Details**

6” Non-IC LED retrofit enclosure with E26 screw base for 6” open frame fixtures

### Mounting Clips

**TB7**

**Details**

T-Bar attachment clips. Can also be used with HB424 and HB224 hanger bars. Can be used with HTTCP and H750TCP housings hanger bars. Set of four. Order one set per fixture.

#### Bar Hangers

**HB224**

**Details**

One piece hanger bar for 24” maximum joist spacing. Set of two.

**HB424**

**Details**

Two piece hanger bar for 24” max. joist spacing. Set of four pieces. Order one HB424 per fixture.

#### Incandescent Lamps

- **Z7** 20W T 6 1/2” IF
- **Z9** 40W R16 FL
- **Z10** 100W BR25
- **Z28** 120V GU10 base, line voltage MR16

#### Low Voltage Lamps

- **MR16**
- **MR16TL**

#### GA-ATTRIM-6PK

Accessory / spare trim gasket for use with 6” family trims

#### Bar Hangers

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**Details**

One piece hanger bar for 24” maximum joist spacing. Set of two.

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<thead>
<tr>
<th>Index</th>
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<tbody>
<tr>
<td>HL54</td>
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<td>HL95</td>
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</tbody>
</table>

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Corelite
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HALO
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iLumin
Zero 88

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LumaVatt Pro
WaveLinx

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