Surface Mount Downlighting

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.
Features

- 4” and 6” ultra-low profile surface mounting
  - Recessed Housings or Junction Box installations (approx. 0.5” thick below ceiling)
  - Direct Mount (DM) version that installs directly into ceiling
- 4” SMD4 Round and Square
  - Lumens: up to 810 lumens
  - Wattage: 9.5W – 10.1W
  - Voltage: 120V, 50/60Hz
- 6” SMD6 Round and Square
  - Lumens: up to 815 lumens
  - Wattage: 9.6W – 10.3W
  - Voltage: 120V, 50/60Hz
- 2700K, 3000K, 3500K, 4000K, and 5000K CCT
- 90 CRI

Compliances

- Installs in many 3-1/2” and 4” ceiling junction boxes
- Retrosfits 4”, 5”, and 6” recessed downlight housings
- Dimmable to 5% with many 120V leading-edge and trailing-edge phase control dimmers
- cULus Listed for Halo housings
- UL Classified for other housings
- Damp Location Listed for walls
- Wet Location Listed for showers and outdoor protected ceilings
- Plug-in LED connector for easy installation
  - Supply wire adapter connection, for junction box wiring*
  - Screwbase adapter for recessed housing retrofit**

*LED connector on SMD meets CA Title 24
** Retrofit only - not for CA Title 24

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.
LED Surface Mount Downlight

- 4-inch and 6-inch aperture, round and square
- Fits most j-boxes and 5-inch or 6-inch recessed housings
- Replaces bulbs, flush mounts and recessed trims
- Rated for wet location
- Dimmable

Mounting methods

- Junction box bracket
- Torsion springs for recessed housings
- Friction clips for recessed housings
Easy Installation

1. Install the junction box bracket onto the Jbox.
2. Wire the connector to the house wiring and attach to the fixture.
3. Align the two bracket tabs with the slots on the back of the fixture.
4. Push the fixture up into place.

*Images show junction box installation. Refer to the instructions provided with the product for other mounting options.
SMD Designer Trims

- exclusively for use with Halo SMD4 and SMD6 LED modules
- round or square trims
- finishes: white (paintable), satin nickel, tuscan bronze

SMD Designer Trims

- exclusively for use with Halo SMD4 and SMD6 LED modules
- round or square trims
- finishes: white (paintable), satin nickel, tuscan bronze
### SMD Ordering Information

#### SMD4  Sample Number: SMD4R6930WH  4" Round Surface Mount Downlight, 90CRI, 3000K

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Finish</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMD4R</td>
<td>6-600 lumen series</td>
<td>927-90CRI, 2700K</td>
<td>WH=Matte White</td>
<td>Designer Trims</td>
</tr>
<tr>
<td></td>
<td>(nominal)</td>
<td>930-90CRI, 3000K</td>
<td></td>
<td>SMD4TRMSN=4&quot; Round SMD Satin Nickel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>935-90CRI, 3500K</td>
<td></td>
<td>SMD4TRMTBZ=4&quot; Round SMD Tuscan Bronze</td>
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<tr>
<td></td>
<td></td>
<td>940-90CRI, 4000K</td>
<td></td>
<td>SMD4STRMWH=4&quot; Round SMD White (paintable)</td>
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<tr>
<td></td>
<td></td>
<td>950-90CRI, 5000K</td>
<td></td>
<td>SMD4STRMTBZ=4&quot; Round SMD Tuscan Bronze</td>
</tr>
</tbody>
</table>

#### SMD6  Sample Number: SMD6R6930WH  6" Round Surface Mount Downlight, 90CRI, 3000K

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Finish</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMD6R</td>
<td>6-600 lumen series</td>
<td>927-90CRI, 2700K</td>
<td>WH=Matte White</td>
<td>Designer Trims</td>
</tr>
<tr>
<td></td>
<td>(nominal)</td>
<td>930-90CRI, 3000K</td>
<td></td>
<td>SMD6TRMSN=6&quot; Round SMD Satin Nickel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>935-90CRI, 3500K</td>
<td></td>
<td>SMD6TRMTBZ=6&quot; Round SMD Tuscan Bronze</td>
</tr>
<tr>
<td></td>
<td></td>
<td>940-90CRI, 4000K</td>
<td></td>
<td>SMD6STRMWH=6&quot; Round SMD White (paintable)</td>
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<tr>
<td></td>
<td></td>
<td>950-90CRI, 5000K</td>
<td></td>
<td>SMD6STRMTBZ=6&quot; Round SMD Tuscan Bronze</td>
</tr>
</tbody>
</table>

### Junction Box Installation:
Order junction box separately, as supplied by others, to complete installation.

### Recessed Installation:
Order Halo recessed housing separately to complete installation.

See compatibility sections for more information.
**Junction box Compatibility**

**Eaton’s Crouse-Hinds junction boxes**

TP316, TP288
Octagonal steel w/ non-metallic cable clamps
4” x 4” x 2-1/8”

TP317, TP320
Octagonal steel w/ metal clad cable clamps
4” x 4” x 2-1/8”

**Housing Compatibility**

**Housings**

- **Halo LED 4-inch**
  - H995ICAT= 4” LED, Insulated Ceiling, Air-Tite, New Construction Housing
  - H995TAT= 4” Non-IC, Air-Tite, Shallow New Construction Housing

- **Halo Ultra-Shallow LED 4-inch**
  - H245RICAT= 4” LED, Insulated Ceiling, Air-Tite, Ultra-Shallow Remodel Housing

- **Halo Standard Housings 4-inch**
  - H99CAT= 4” IC, Air-Tite, Shallow New Construction Housing
  - H99TAT= 4” Non-IC, Air-Tite, Shallow New Construction Housing
  - H99RTAT= 4” Non-IC, Air-Tite, Shallow Remodel Housing

- **Halo Low Voltage Housings 4-inch**
  - H1499ICAT= 4” IC, Air-Tite, New Construction Housing, 120V - 12V Low Voltage MR16
  - H1499TAT= 4” Non-IC, Air-Tite, Shallow New Construction Housing, 120V - 12V Low Voltage MR16
  - H1499RTAT= 4” Non-IC, Air-Tite, Shallow Remodel Housing, 120V - 12V Low Voltage MR16
  - H1499T75= 4” Non-IC, New Construction Housing, 120V/277V - 12V Low Voltage, MR16

**Accessories**

- T24HWKIT= Title 24 Cable harness kit used to convert incandescent and low voltage housings to LED.

*Use T24HWKIT, Title 24 Cable Harness Kit, to convert incandescent and low voltage housings to LED.*
Housings

Halo LED 6-inch
H750ICAT= 6" LED, Insulated Ceiling, Air-Tite, New Construction Housing
H750RICAT= 6" LED, Insulated Ceiling, Air-Tite, Remodel Housing
H750T= 6" LED, Non-IC, Air-Tite, New Construction Housing
H750TCP= 6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing
H2750ICAT= 5" LED, Shallow, Insulated Ceiling, Air-Tite, New Construction (use with 691X, 694X, 696X trims only)
H2750RICAT= 6" LED, Shallow, Insulated Ceiling, Air-Tite, Remodel (use with 691X, 694X, 696X trims only)

Halo LED 5-inch
H550ICAT= 5" LED, Insulated Ceiling, Air-Tite, New Construction Housing
H550RICAT= 5" LED, Insulated Ceiling, Air-Tite, Remodel Housing

Halo LED retrofit
ML7E26RFK= 6" Retrofit Enclosure, Non-IC, E26 Screw base Interface
ML7BXXF= 6" Retrofit Enclosure, Non-IC, BX Whip

Halo Standard Housings 6-inch (continued)
H7T= 6" Non-IC, New Construction Housing
H7RT= 6" Non-IC, Remodel Housing
H7TNB= 6" Non-IC, New Construction Housing, No Socket Bracket
H7TCP= 6" Non-IC, Chicago Plenum, New Construction/Remodel Housing
H7UCAT= 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing
E7ICAT= 6" Insulated Ceiling, Air-Tite New Construction Housing
E7RICAT= 6" Insulated Ceiling, Air-Tite Remodel Housing
E7ICATNB= 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
E7RTAT= 6" Non-IC, New Construction Housing
E7RTATNB= 6" Non-IC, New Construction Housing, No Socket Bracket

Halo Standard Housings 5-inch
H5ICAT= 5" Insulated Ceiling, Air-Tite New Construction Housing
H5IRCAT= 5" Insulated Ceiling, Air-Tite Remodel Housing
H5ICT= 6" Insulated Ceiling, New Construction Housing
H5IRT= 6" Insulated Ceiling, Remodel Housing
H5ICATNB= 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
H5ICATNB= 5" Insulated Ceiling, New Construction Housing, No Socket Bracket

Halo Shallow Housings 6-inch
H27ICAT= 6" Shallow, Insulated Ceiling, Air-Tite New Construction Housing
H27RICAT= 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing
H27T= 6" Shallow, Non-IC, New Construction Housing
H27RT= 6" Shallow, Non-IC, Remodel Housing
E27ICAT= 6" Shallow, Insulated Ceiling, Air-Tite New Construction Housing
E27RICAT= 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing
E27TAT= 6" Shallow, Non-IC, New Construction Housing
E27RTAT= 6" Shallow, Non-IC, Remodel Housing

Halo Shallow Housings 5-inch
H25ICAT= 5" Shallow, Insulated Ceiling, Air-Tite New Construction Housing
H25RICAT= 5" Shallow, Insulated Ceiling, Air-Tite Remodel Housing
H25ICATNB= 5" Shallow, Insulated Ceiling, Air-Tite New Construction, No Socket Bracket
H25ICATNB= 5" Shallow, Insulated Ceiling, Air-Tite New Construction, No Socket Bracket
SMD-DM
Direct Ceiling Mount

• 4-inch and 6-inch aperture, round and square
• No housing or junction box required
• Rated for wet location
• Dimmable
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.
EATON Surface mount LED downlighting
## SMD-DM Ordering Information

**SMD4-DM**  
Sample Number: **SMD4R6930WHDM=4” Round Surface Mount Downlight, 90CRI, 3000K, Spring Clips**

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Finish</th>
<th>Mounting</th>
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<tr>
<td>SMD4R</td>
<td>6-600</td>
<td>927-90CRI; 2700K</td>
<td>WH=Matte White</td>
<td>DM=Direct Mount</td>
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<tr>
<td></td>
<td>lumen series (nominal)</td>
<td>920-90CRI, 3000K</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>925-90CRI, 3500K</td>
<td>940-90CRI, 4000K</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>950-90CRI, 5000K</td>
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</table>

**SMD6-DM**  
Sample Number: **SMD6R6930WHDM=6” Round Surface Mount Downlight, 90CRI, 3000K, Spring Clips**

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<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Finish</th>
<th>Mounting</th>
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</thead>
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<td>SMD6R</td>
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<td>WH=Matte White</td>
<td>DM=Direct Mount</td>
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<tr>
<td></td>
<td>lumen series (nominal)</td>
<td>920-90CRI, 3000K</td>
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<td>925-90CRI, 3500K</td>
<td>940-90CRI, 4000K</td>
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<td></td>
<td>950-90CRI, 5000K</td>
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### SMD4 Energy Data

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<tr>
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<tr>
<td>Lumens (5000K)</td>
<td>786</td>
<td>810</td>
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<td>Input Current</td>
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<td>0.0829 A</td>
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<td>Efficiency</td>
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<td>81 lm/W</td>
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<td>THD</td>
<td>13.3</td>
<td>13.2</td>
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<tr>
<td>Input Voltage</td>
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<td>120V</td>
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<tr>
<td>Input Frequency</td>
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<td>CRI</td>
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<td>90 CRI</td>
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<tr>
<td>Power Factor</td>
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<td>≥ 0.99</td>
</tr>
<tr>
<td>T Ambient</td>
<td>-30°C - +40°C</td>
<td>-30°C - +40°C</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>Class A</td>
<td>Class A</td>
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### SMD6 Energy Data

<table>
<thead>
<tr>
<th></th>
<th>Round</th>
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<tbody>
<tr>
<td>Lumens (5000K)</td>
<td>788</td>
<td>815</td>
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<tr>
<td>Input Power</td>
<td>9.6 W</td>
<td>9.9 W</td>
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<tr>
<td>Input Current</td>
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<td>0.085 A</td>
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<tr>
<td>Efficiency</td>
<td>82 lm/W</td>
<td>82 lm/W</td>
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<tr>
<td>THD</td>
<td>13.9</td>
<td>14.7</td>
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<td>Input Voltage</td>
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<td>120V</td>
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<tr>
<td>Input Frequency</td>
<td>50/60 Hz</td>
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<tr>
<td>CRI</td>
<td>90 CRI</td>
<td>90 CRI</td>
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<tr>
<td>Power Factor</td>
<td>≥ 0.99</td>
<td>≥ 0.99</td>
</tr>
<tr>
<td>T Ambient</td>
<td>-30°C - +40°C</td>
<td>-30°C - +40°C</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>Class A</td>
<td>Class A</td>
</tr>
</tbody>
</table>
Lighting Control Solution

Set the mood

Eaton dimmers offer versatile options to set the mood and reduce energy consumption. These compatible LED dimmers are ideal for both residential and light commercial applications and are compatible with decorator (screwless) style devices and wallplates.

Refer to www.eaton.com for additional information.

<table>
<thead>
<tr>
<th>Dimmer Features</th>
<th>Decorator (DAL06P)</th>
<th>Slide (SAL06P)</th>
<th>Toggle (TAL06P)</th>
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<tbody>
<tr>
<td>Rapid Start feature</td>
<td>Fully adjustable</td>
<td>Fixed ON</td>
<td>Fully adjustable</td>
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<tr>
<td>Adjustable high-end trim</td>
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<td></td>
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<tr>
<td>Adjustable low-end trim</td>
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<tr>
<td>Wiring configurations</td>
<td>Single-pole or three-way</td>
<td>Single-pole or three-way</td>
<td>Single-pole or three-way</td>
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<tr>
<td>Color change kits</td>
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Our Lighting Product Lines
Halo
Halo Commercial
Portfolio
IRIS
RSA
Metalux
Corelite
Neo-Ray
Fail-Safe
MWS
Ametrix
Shaper
io
Lumark
McGraw-Edison
Invue
Ephesus
Lumière
Streetworks
AtLite
Sure-Lites

Our Controls Product Lines
Greengate
iLumin
Zero 88
Fifth Light Technology
iLight (International Only)