The HLB is an ultra-thin LED lens downlight with 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. The HLB 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.

The SeleCCTable™ technology puts flexibility at your fingertips. By using the switch located on the driver junction box, the user can choose from a range of five color temperatures 2700K - 5000K.
installs virtually anywhere

The HLB installs into a standard hole saw size cutout and is retained securely in place with springs.

The driver junction box installs through a cutout and can be positioned remotely from the fixture fitting. Mounting holes facilitate attachment to the building structure.

**New Construction Mounting Frame**

The new construction mounting frame locates the fixture fitting during electrical rough-in. HALO’s patented Got Nail® bar hangers are pre-installed supporting the mounting frame along rails.

During electrical rough-in, the driver / junction box attaches to the mounting frame with captive fasteners meeting code requirements for attachment to the building structure.

See page 23 for more info.

**Square Installation**

HL4RSMF - 4” round and square mounting frame
HL6RSMF - 6” round and square mounting frame


**Ordering Information**

**SAMPLE NUMBER:** HLB3059301EMWR

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLB3</td>
<td>500</td>
<td>927 = 90 CRI minimum, 2700K CCT 930 = 90 CRI minimum, 3000K CCT 935 = 90 CRI minimum, 3500K CCT 940 = 90 CRI minimum, 4000K 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>
</tr>
</tbody>
</table>

**Accessories**

**Oversized Trim Ring**

- HLB3ROTMW = 3” round oversized trim, matte white

**Decorative Trim Ring**

- HLB3RTRMMW = 3” round decorative overlay, matte white
- HLB3RTRMSN = 3” round decorative overlay, satin nickel
- HLB3RTRMTBZ = 3” round decorative overlay, tuscan bronze

**Extension Cable | Dedicated Driver/Jbox**

- HLB06EC - 6 ft. extension cable
- HLB12EC - 12 ft. extension cable
- HLB20EC - 20 ft. extension cable

**Energy Data**

<table>
<thead>
<tr>
<th>Lumens</th>
<th>Input Voltage</th>
<th>Input Current</th>
<th>Input Power</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>120V</td>
<td>100 (mA)</td>
<td>9.0 (W)</td>
<td>60 (LPW)</td>
</tr>
</tbody>
</table>

**Savings**

- 6% Savings over the life of the HALO HLB3 luminaire
- Energy savings: $190
- Replacement lamp savings: $50
- Savings based on $0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 60W A19 lamp lumen equivalent.
• Up to 550 lumens
• Use to replace 40W A19 incandescent lamp
• 2700K, 3000K, 3500K, 4000K fixed CCT
• 90 CRI
• 9W, 120V
• L70 @ 50,000 hrs
• HALO matte white finish
• No existing recessed housing or junction box required

• Fixture will not fit into existing housings or junction boxes
• Wet location listed (shower rated) covered ceiling
• Rated for direct contact to air permeable insulation
• AIR-TITE™ certified per ASTM-E283
• Textured lens provides smooth light distribution
• Five-year limited warranty

Savings are over the life of the HALO HLB3S luminaire. Energy savings: $190
Replacement lamp savings: $50
Savings based on $0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 60W A19 lamp lumen equivalent.

Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JA8.

Ordering Information

SAMPLE NUMBER: HLB3S059301EMWR

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLB3S</td>
<td>05 = 500 lumen (nominal)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<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 merchandizing display</td>
</tr>
<tr>
<td>930 = 90 CRI minimum, 3000K CCT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>935 = 90 CRI minimum, 3500K CCT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>940 = 90 CRI minimum, 4000K CCT</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Accessories

Oversized Trim Ring
HLB3SOTMW = 3” square oversized trim, matte white

Decorative Trim Ring
HLB3STRMMW = 3” square decorative overlay, matte white
HLB3STRMSN = 3” square decorative overlay, satin nickel
HLB3STRMTBZ = 3” square decorative overlay, tuscan bronze

Energy Data

<table>
<thead>
<tr>
<th>Lumens</th>
<th>500 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>120V</td>
</tr>
<tr>
<td>Input Current</td>
<td>100 (mA)</td>
</tr>
<tr>
<td>Input Power</td>
<td>9.0 (W)</td>
</tr>
<tr>
<td>Efficiency</td>
<td>60 (LPW)</td>
</tr>
<tr>
<td>Inrush (A)</td>
<td>2.2 A @ 42mS</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>-30° - +40°C</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>≤ 22dba</td>
</tr>
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</table>
SAVINGS
UP TO $377

Savings are over the life of the HALO HLB4 luminaire.
Energy savings: $327
Replacement lamp savings: $50
Savings based on $0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 60W A19 lamp lumen equivalent.

Ordering Information
SAMPLE NUMBER: HLB4069FS1EMWR

<table>
<thead>
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<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLB4</td>
<td>4-Inch ultra-thin LED lens downlight with remote driver / junction box</td>
<td>06 = 600 lumen (nominal)</td>
<td>930 = 90 CRI minimum, 3000K CCT</td>
<td>1E = 120V 60Hz, LE &amp; TE phase cut 5% dimming</td>
<td>MW = matte white flange, R = recyclable 4-color unit carton suitable for point of purchase merchandising display</td>
</tr>
<tr>
<td>HLB4069FS1EMWR</td>
<td>600 Series</td>
<td>940 = 90 CRI minimum, 4000K CCT</td>
<td>9FS = 90 CRI minimum, field selectable 2700K, 3000K, 3500K, 4000K or 5000K CCT</td>
<td>2.86&quot; [72.74mm] wire length</td>
<td></td>
</tr>
</tbody>
</table>

Accessories

Oversized Trim Ring
HLB4ROTMW = 4" round oversized trim, matte white

Decorative Trim Ring
HLB4RTRMWW = 4" round decorative overlay, matte white
HLB4RTRMSN = 4" round decorative overlay, satin nickel
HLB4RTRMWBZ = 4" round decorative overlay, tuscan bronze

Mounting Frame
HL4RSMF = 4" round and square mounting frame

Energy Data

<table>
<thead>
<tr>
<th>Lumens</th>
<th>600 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inrush (A)</td>
<td>2.2 A @ 42mS</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>120V</td>
</tr>
<tr>
<td>Input Current</td>
<td>100 (mA)</td>
</tr>
<tr>
<td>Input Power</td>
<td>12.0 (W)</td>
</tr>
<tr>
<td>Efficiency</td>
<td>60 (LPW)</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>-30° - +40°C</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>≤ 22dba</td>
</tr>
</tbody>
</table>

Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JA8.
• Up to 700 lumens
• Use to replace 60W A19 incandescent lamp
• 2700K, 3000K, 3500K, 4000K, 5000K CCT field select
• 3000K, 4000K fixed CCT
• 90 CRI
• 12W, 120V
• L70 @ 50,000 hrs
• HALO matte white finish
• No existing recessed housing or junction box required
• Fixture will not fit into existing housings or junction boxes
• Wet location listed (shower rated) covered ceiling
• Rated for direct contact to air permeable insulation
• AIR-TITE™ certified per ASTM-E283
• Textured lens provides smooth light distribution
• Five-year limited warranty

Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JA8.

Ordering Information
SAMPLE NUMBER: HLB4S069FS1EMWR

<table>
<thead>
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<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLB4S</td>
<td>06 = 600 lumen (nominal)</td>
<td>930 = 90 CRI minimum, 3000K CCT</td>
<td>MW = matte white flange</td>
<td>R = recyclable 4-color unit carton suitable for point of purchase merchandizing display</td>
<td></td>
</tr>
<tr>
<td></td>
<td>940 = 90 CRI minimum, 4000K CCT</td>
<td>9FS = 90 CRI minimum, field selectable 2700K, 3000K, 3500K, 4000K or 5000K CCT</td>
<td>1E = 120V 60Hz, LE &amp; TE phase cut 5% dimming</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Accessories

**Oversized Trim Ring**
HLB4SOTMW = 4” square oversized trim, matte white

**Decorative Trim Ring**
HLB4STRMMW = 4” square decorative overlay, matte white
HLB4STRMNSN = 4” square decorative overlay, satins nickel
HLB4STRMTBZ = 4” square decorative overlay, tuscan bronze

**Mounting Frame**
HL44RSMF = 4” round and square mounting frame

Energy Data

<table>
<thead>
<tr>
<th>Lumens</th>
<th>600 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>120V</td>
</tr>
<tr>
<td>Input Current</td>
<td>90 (mA)</td>
</tr>
<tr>
<td>Input Power</td>
<td>10.5 (W)</td>
</tr>
<tr>
<td>Efficiency</td>
<td>60 (LPW)</td>
</tr>
<tr>
<td>Inrush (A)</td>
<td>2.2 A @ 54mS</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>-30° - +40°C</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>≤ 22dba</td>
</tr>
</tbody>
</table>

*Savings are over the life of the HALO HLB4S luminaire.
Energy savings: $327
Replacement lamp savings: $50
Savings based on $0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 60W A19 lamp lumen equivalent.
HLB4SP

Square downlight with a round ceiling cutout

• Up to 750 lumens
• Use to replace 60W A19 incandescent lamp
• 2700K, 3000K, 3500K, 4000K, 5000K CCT field select
• 3000K, 4000K fixed CCT
• 90 CRI
• 12W, 120V
• L70 @ 50,000 hrs
• HALO matte white finish
• No existing recessed housing or junction box required

Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JA8.

Ordering Information

SAMPLE NUMBER: HLB4S069FS1EMWR

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLB4SP</td>
<td>600</td>
<td>930, 940</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>
</tr>
</tbody>
</table>

Accessories

Oversized Trim Ring
HLB4SOTMW = 4” square oversized trim, matte white

Decorative Trim Ring
HLB4SPTRMMW = 4” square pin decorative overlay, matte white
HLB4SPTRMSN = 4” square pin decorative overlay, satin nickel
HLB4SPTRMTBZ = 4” square pin decorative overlay, tuscan bronze

Mounting Frame
HL4RSMF = 4” round and square mounting frame

Extension Cable | Dedicated Driver/Jbox
HLB06EC - 6 ft. extension cable
HLB12EC - 12 ft. extension cable
HLB20EC - 20 ft. extension cable

Extension Cable | Selectable Driver/Jbox
HLB06FSEC - 6 ft. extension cable
HLB12FSEC - 12 ft. extension cable
HLB20FSEC - 20 ft. extension cable

Energy Data

<table>
<thead>
<tr>
<th>Luminous</th>
<th>600 Series</th>
<th>Inrush (A)</th>
<th>2.2 A @ 54mS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>120V</td>
<td>THD</td>
<td>≤ 20%</td>
</tr>
<tr>
<td>Input Current</td>
<td>90 (mA)</td>
<td>PF</td>
<td>≥ 0.90</td>
</tr>
<tr>
<td>Input Power</td>
<td>10.5 (W)</td>
<td>T Ambient</td>
<td>-30° ~ +40°C</td>
</tr>
<tr>
<td>Efficiency</td>
<td>60 (LPW)</td>
<td>Sound Rating</td>
<td>≤ 22dba</td>
</tr>
</tbody>
</table>

Savings are over the life of the HALO HLB4SP luminaire.
Energy savings: $327
Replacement lamp savings: $50
Savings based on $0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 60W A19 lamp lumen equivalent.
HALO HLB6

- Up to 1100 lumens
- Use to replace 75W A19 incandescent lamp
- 2700K, 3000K, 3500K, 4000K, 5000K CCT field select
- 3000K, 4000K fixed CCT
- 90 CRI
- 16W, 120V
- L70 @ 50,000 hrs
- HALO matte white finish
- No existing recessed housing or junction box required

- Fixture will not fit into existing housings or junction boxes
- Wet location listed (shower rated) covered ceiling
- Rated for direct contact to air permeable insulation
- AIR-TITE™ certified per ASTM-E283
- Textured lens provides smooth light distribution
- Five-year limited warranty

Savings are over the life of the HALO HLB6 luminaire.

Energy savings: $302
Replacement lamp savings: $50
Savings based on $0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 75W A19 lamp lumen equivalent.

Ordering Information

SAMPLE NUMBER: HLB6099FS1EMWR

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLB6</td>
<td>900</td>
<td>90 CRI minimum, 3000K CCT</td>
<td>1E = 120V 60Hz, LE &amp; TE</td>
<td>MW = matte white flange</td>
<td>R = recyclable 4-color unit carton suitable for point of purchase merchandizing display</td>
</tr>
<tr>
<td>09</td>
<td>(nominal)</td>
<td>940 = 90 CRI minimum, 4000K CCT</td>
<td>phase cut 5% dimming</td>
<td></td>
<td></td>
</tr>
<tr>
<td>930</td>
<td>90 CRI minimum, 3000K CCT</td>
<td>9FS = 90 CRI minimum, field selectable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>940</td>
<td>90 CRI minimum, 4000K CCT</td>
<td>9FS = 90 CRI minimum, field selectable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9FS</td>
<td>90 CRI minimum, field selectable</td>
<td>2700K, 3000K, 3500K, 4000K</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>950</td>
<td>90 CRI minimum, field selectable</td>
<td>5000K</td>
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</tbody>
</table>

Accessories

- Oversized Trim Ring
  HLB6SOTMW = 6” square oversized trim, matte white

- Decorative Trim Ring
  HLB6STRMMW = 6” square decorative overlay, matte white
  HLB6STRMSN = 6” square decorative overlay, satin nickel
  HLB6STRMTBZ = 6” square decorative overlay, tuscan bronze

- Mounting Frame
  HL6RSMF = 6” round and square mounting frame

- Extension Cable | Dedicated Driver/Jbox
  HLB06EC = 6 ft. extension cable
  HLB12EC = 12 ft. extension cable
  HLB20EC = 20 ft. extension cable

- Extension Cable | Selectable Driver/Jbox
  HLB06FSEC = 6 ft. extension cable
  HLB12FSEC = 12 ft. extension cable
  HLB20FSEC = 20 ft. extension cable

Energy Data

<table>
<thead>
<tr>
<th>Lumens</th>
<th>900 Series</th>
<th>Inrush (A)</th>
<th>2.1 A @ 14mS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>120V</td>
<td>THD</td>
<td>≤ 20%</td>
</tr>
<tr>
<td>Input Current</td>
<td>132 (mA)</td>
<td>PF</td>
<td>≥ 0.90</td>
</tr>
<tr>
<td>Input Power</td>
<td>16.0 (W)</td>
<td>T Ambient</td>
<td>-30°C - +40°C</td>
</tr>
<tr>
<td>Efficiency</td>
<td>66 (LPW)</td>
<td>Sound Rating</td>
<td>≤ 22db</td>
</tr>
</tbody>
</table>

* Savings are over the life of the HALO HLB6 luminaire.
Energy savings: $302
Replacement lamp savings: $50
Savings based on $0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 75W A19 lamp lumen equivalent.
Savings are over the life of the HALO HLB6S luminaire. Energy savings: $302 Replacement lamp savings: $50 Savings based on $0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 75W A19 lamp lumen equivalent.

ORDERING INFORMATION

SAMPLE NUMBER: HLB6S0999FS1EMWR

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLB6S</td>
<td>6-Inch LED square lens downlight with remote driver / junction box</td>
<td>09 = 900 lumen (nominal)</td>
<td>930 = 90 CRI minimum, 3000K CCT</td>
<td>1E = 120V 60Hz, LE &amp; TE phase cut 5% dimming</td>
<td>MW = matte white flange</td>
</tr>
<tr>
<td></td>
<td></td>
<td>940 = 90 CRI minimum, 4000K CCT</td>
<td>9FS = 90 CRI minimum, field selectable 2700K, 3000K, 3500K, 4000K or 5000K CCT</td>
<td>R = recyclable 4-color unit carton suitable for point of purchase merchandising display</td>
<td></td>
</tr>
</tbody>
</table>

ACCESSORIES

Oversized Trim Ring
HLB6SOTMW = 6” square oversized trim, matte white

Decorative Trim Ring
HLB6STRMMW = 6” square decorative overlay, matte white
HLB6STRMSN = 6” square decorative overlay, satin nickel
HLB6STRMTBZ = 6” square decorative overlay, tuscan bronze

Mounting Frame
HL6RSMF = 6” round and square mounting frame

EXTENSION CABLE | DEDICATED DRIVER/JBOX
HLB06EC - 6 ft. extension cable
HLB12EC - 12 ft. extension cable
HLB20EC - 20 ft. extension cable

EXTENSION CABLE | SELECTABLE DRIVER/JBOX
HLB06FSEC - 6 ft. extension cable
HLB12FSEC - 12 ft. extension cable
HLB20FSEC - 20 ft. extension cable

ENERGY DATA

<table>
<thead>
<tr>
<th>Lumens</th>
<th>900 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inrush (A)</td>
<td>2.2 A @ 45mS</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>-30°C - +40°C</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>≤ 22db</td>
</tr>
</tbody>
</table>

* Savings are over the life of the HALO HLB6S luminaire.
• Up to 700 lumens
• Use to replace 50W BR30 halogen lamp
• 2700K and 3000K fixed CCT
• 90 CRI
• 8.6W, 120V
• L70 @ 50,000 hrs
• HALO matte white finish
• No existing recessed housing or junction box required
• Fixture will not fit into existing housings or junction boxes
• Wet location listed (shower rated) covered ceiling
• Rated for direct contact to air permeable insulation
• AIR-TITE™ certified per ASTM-E283
• Five-year limited warranty

Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JA8.

**Ordering Information**

<table>
<thead>
<tr>
<th>Sample Number: HLA406VWFL9FS1EMWR</th>
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</thead>
<tbody>
<tr>
<td><strong>Models</strong></td>
</tr>
<tr>
<td>HLA3</td>
</tr>
</tbody>
</table>

**Accessories**

| **Oversized Trim Ring** | **Extension Cables | Dedicated Driver/Jbox** |
|---------------------------|-----------------------|
| HLB3ROTMW = 3” round oversized trim, matte white | HLB06EC = 6 ft. extension cable |
| **Decorative Trim Ring** | HLB12EC = 12 ft. extension cable |
| HLB3RTRMMW = 3” round decorative overlay, matte white | HLB20EC = 20 ft. extension cable |
| HLB3RTRMSN = 3” round decorative overlay, satin nickel | |
| HLB3RTRMTBZ = 3” round decorative overlay, tuscan bronze | |

---

Energy savings: $353
Replacement lamp savings: $1.07
Savings based on $0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 50W BR30 lamp lumen equivalent.
• Up to 700 lumens
• Use to replace 50W BR30 halogen lamp
• 2700K and 3000K fixed CCT
• 90 CRI
• 8.6W, 120V
• L70 @ 50,000 hrs
• HALO matte white finish
• No existing recessed housing or junction box required
• Fixture will not fit into existing housings or junction boxes
• Wet location listed (shower rated) covered ceiling
• Rated for direct contact to air permeable insulation
• AIR-TITE™ certified per ASTM-E283
• Five-year limited warranty

Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JA8.

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>Distribution</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLA3S</td>
<td>05 = 500 lumens (nominal)</td>
<td>FL = 40° flood distribution</td>
<td>927 = 90 CRI minimum, 2700K CCT 930 = 90 CRI minimum, 3000K 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>
</tr>
</tbody>
</table>

**Ordering Information**

**SAMPLE NUMBER:** HLA406VWFL9FS1EMWR

**Accessories**

**Oversized Trim Ring**
HLB3SOTMW = 3” round oversized trim, matte white

**Decorative Trim Ring**
HLB3STRMMW = 3” square decorative overlay, matte white
HLB3STRMSN = 3” square decorative overlay, satin nickel
HLB3STRMTBZ = 3” square decorative overlay, tuscan bronze

**Extension Cables | Dedicated Driver/Jbox**
HLB06EC = 6 ft. extension cable
HLB12EC = 12 ft. extension cable
HLB20EC = 20 ft. extension cable

*Savings are over the life of the HALO HLA3 luminaire.
Energy savings: $353
Replacement lamp savings: $1.07
Savings based on $0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 50W BR30 lamp lumen equivalent.
• Up to 700 lumens
• Use to replace 60W A19 incandescent lamp
• 2700K, 3000K, 3500K, 4000K, 5000K CCT field select
• 90 CRI
• 12W, 120V
• L70 @ 50,000 hrs
• HALO matte white finish
• No existing recessed housing or junction box required
• Fixture will not fit into existing housings or junction boxes
• Wet location listed (shower rated) covered ceiling
• Rated for direct contact to air permeable insulation
• AIR-TITE™ certified per ASTM-E283
• Five-year limited warranty

Up to 700 lumens
Use to replace 60W A19 incandescent lamp
2700K, 3000K, 3500K, 4000K, 5000K CCT field select
90 CRI
12W, 120V
L70 @ 50,000 hrs
HALO matte white finish
No existing recessed housing or junction box required
Fixture will not fit into existing housings or junction boxes
Wet location listed (shower rated) covered ceiling
Rated for direct contact to air permeable insulation
AIR-TITE™ certified per ASTM-E283
Five-year limited warranty

Ordering Information

SAMPLE NUMBER: HLA406VWFL9FS1EMWR

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>Distribution</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
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</thead>
<tbody>
<tr>
<td>HLA4</td>
<td>600</td>
<td>FL = 40° flood distribution</td>
<td>9FS = 90 CRI minimum, field selectable 2700K, 3000K, 3500K, 4000K, 5000K 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>
</tr>
</tbody>
</table>

Accessories

**Oversized Trim Ring**
HLB4ROTMW = 4” round oversized trim, matte white

**Decorative Trim Ring**
HLB4RTRMMW = 4” round decorative overlay, matte white
HLB4RTRMSN = 4” round decorative overlay, satin nickel
HLB4RTRMTBZ = 4” round decorative overlay, tuscan bronze

**Mounting Frame**
HL4RSMF = 4” round and square mounting frame

**Extension Cables**
HLB06FSEC - 6 ft. extension cable
HLB12FSEC - 12 ft. extension cable
HLB20FSEC - 20 ft. extension cable

Energy Data

<table>
<thead>
<tr>
<th>Lumens</th>
<th>Input Voltage</th>
<th>Input Current</th>
<th>Input Power</th>
<th>Efficiency</th>
<th>Inrush (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>90 (mA)</td>
<td>10.5 (W)</td>
<td>60 (LPW)</td>
<td>1.9 A @ 54mA</td>
<td>≤ 20%</td>
<td>≥ 0.90</td>
<td>-30° + 40°C</td>
<td>≤ 22dba</td>
</tr>
</tbody>
</table>
### HLA4S

- Up to 700 lumens
- Use to replace 60W A19 incandescent lamp
- 2700K, 3000K, 3500K, 4000K, 5000K CCT field select
- 90 CRI
- 12W, 120V
- L70 @ 50,000 hrs
- HALO matte white finish
- No existing recessed housing or junction box required
- Fixture will not fit into existing housings or junction boxes
- Wet location listed (shower rated) covered ceiling
- Rated for direct contact to air permeable insulation
- AIR-TITE™ certified per ASTM-E283
- Five-year limited warranty

### Ordering Information

**SAMPLE NUMBER:** HLA4S06VWFL9FS1EMWR

<table>
<thead>
<tr>
<th>Models</th>
<th>Lumens</th>
<th>Distribution</th>
<th>CRI / CCT</th>
<th>Driver</th>
<th>Finish</th>
<th>Packaging</th>
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</thead>
<tbody>
<tr>
<td>HLA4S</td>
<td>600</td>
<td>FL = 40° flood distribution</td>
<td>9FS = 90 CRI minimum, field selectable 2700K, 3000K, 3500K, 4000K or 5000K 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>
</tr>
</tbody>
</table>

#### Accessories

**Oversized Trim Ring**
HLB4SOTMW = 4” square oversized trim, matte white

**Decorative Trim Ring**
HLA4STRMMW = 4” square decorative overlay, matte white
HLA4STRMSN = 4” square decorative overlay, satin nickel
HLA4STRMTBZ = 4” square decorative overlay, tuscan bronze

**Mounting Frame**
HL4RSMF = 4” round and square mounting frame

**Extension Cables**
HLB06FSEC = 6 ft. extension cable
HLB12FSEC = 12 ft. extension cable
HLB20FSEC = 20 ft. extension cable

---

a Savings are over the life of the HALO HLA4S luminaire.
Energy savings: $327
Replacement lamp savings: $50
Savings based on $0.128 per kilowatt hour, average six hours use per day, 50,000 hours of lamp usage, and 60W A19 lamp lumen equivalent.
**Decorative Overlay**

3” Round  
HLB3RTRMMW = matte white  
HLB3RTRMSN = satin nickel  
HLB3RTRMTBZ = tuscan bronze  

3” Square  
HLB3STRMMW = matte white  
HLB3STRMSN = satin nickel  
HLB3STRMTBZ = tuscan bronze  

4” Round  
HLB4RTRMMW = matte white  
HLB4RTRMSN = satin nickel  
HLB4RTRMTBZ = tuscan bronze  

4” Square  
HLB4STRMMW = matte white  
HLB4STRMSN = satin nickel  
HLB4STRMTBZ = tuscan bronze  

4” Square Adjustable  
HLA4STRMMW = matte white  
HLA4STRMSN = satin nickel  
HLA4STRMTBZ = tuscan bronze  

6” Round  
HLB6RTRMMW = matte white  
HLB6RTRMSN = satin nickel  
HLB6RTRMTBZ = tuscan bronze  

6” Square  
HLB6STRMMW = matte white  
HLB6STRMSN = satin nickel  
HLB6STRMTBZ = tuscan bronze

**Oversized Trim Plate**

HLB3ROTMMW - 3” round oversized trim  
HLB3SOTMMW - 3” square oversized trim  
HLB4ROTMMW - 4” round oversized trim  
HLB4SOTMMW - 4” square oversized trim  
HLB6ROTMMW - 6” round oversized trim  
HLB6SOTMMW - 6” square oversized trim

**Extension cables**

Dedicated driver / junction box  
HLB06EC - 6 ft. extension cable  
HLB12EC - 12 ft. extension cable  
HLB20EC - 20 ft. extension cable  

SeleCCTable driver / junction box  
HLB06FSEC - 6 ft. extension cable  
HLB12FSEC - 12 ft. extension cable  
HLB20FSEC - 20 ft. extension cable

**Mounting Frames**

HL4RSMF - 4” round and square mounting frame  
HL6RSMF - 6” round and square mounting frame

During electrical rough-in, the HLB driver / junction box attaches to the mounting frame with captive fasteners meeting code requirements for attachment to the building structure.

Rounded corners break away to allow installation of square fixtures.
## Product and Photometric Data

### HLB305930EMWR

#### HLB3 3000K

<table>
<thead>
<tr>
<th>CCT</th>
<th>Lumens</th>
<th>Power (W)</th>
<th>LPW</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>557</td>
<td>9</td>
<td>61.9</td>
</tr>
<tr>
<td>3000K</td>
<td>577</td>
<td>9</td>
<td>64.1</td>
</tr>
<tr>
<td>3500K</td>
<td>556</td>
<td>9</td>
<td>61.8</td>
</tr>
<tr>
<td>4000K</td>
<td>583</td>
<td>9</td>
<td>64.8</td>
</tr>
</tbody>
</table>

#### Color Metric Summary-3000K

- **CCT - Range of 2700K-4000K**
  - **TM-30-15**
    - Rf = 88
    - Rg = 96
  - CRI/CIE
    - Ra = 94
    - R9 = 70

### HLB3S05930EMWR

#### HLB3S 3000K

<table>
<thead>
<tr>
<th>CCT</th>
<th>Lumens</th>
<th>Power (W)</th>
<th>LPW</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>574</td>
<td>9</td>
<td>63.8</td>
</tr>
<tr>
<td>3000K</td>
<td>553</td>
<td>9</td>
<td>64.1</td>
</tr>
<tr>
<td>3500K</td>
<td>562</td>
<td>9</td>
<td>62.4</td>
</tr>
<tr>
<td>4000K</td>
<td>573</td>
<td>9</td>
<td>63.7</td>
</tr>
</tbody>
</table>

#### Color Metric Summary-3000K

- **CCT - Range of 2700K-4000K**
  - **TM-30-15**
    - Rf = 88
    - Rg = 96
  - CRI/CIE
    - Ra = 94
    - R9 = 70

*Additional photometric ies files available online.*
## Product and Photometric Data

### HLB4069FS1EMWR

**HLB4 SeleCCTable**

<table>
<thead>
<tr>
<th>CCT</th>
<th>Lumens</th>
<th>Power (W)</th>
<th>LPW</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>720.0</td>
<td>12</td>
<td>60.0</td>
</tr>
<tr>
<td>3000K</td>
<td>723.0</td>
<td>12</td>
<td>60.3</td>
</tr>
<tr>
<td>3500K</td>
<td>735.2</td>
<td>12</td>
<td>61.3</td>
</tr>
<tr>
<td>4000K</td>
<td>746.1</td>
<td>12</td>
<td>62.2</td>
</tr>
<tr>
<td>5000K</td>
<td>751.9</td>
<td>12</td>
<td>62.7</td>
</tr>
</tbody>
</table>

**HLB4069FS1EMWR-3000K**

- **Luminaire lumens**: 723
- **Input watts**: 12
- **LER (LPW)**: 60.3

**Spacing Criteria**

- 0-180: 1.28
- 90-270: 1.28
- Diagonal: 1.39

**Beam angle (degrees)**: 110.2

**Field angle (degrees)**: 160

**Zonal lumen**

<table>
<thead>
<tr>
<th>Zonal lumen</th>
<th>Lumens</th>
<th>% Lumens</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30</td>
<td>203</td>
<td>28.1</td>
</tr>
<tr>
<td>0-40</td>
<td>335</td>
<td>46.3</td>
</tr>
<tr>
<td>0-60</td>
<td>561</td>
<td>80.4</td>
</tr>
<tr>
<td>0-90</td>
<td>723</td>
<td>100</td>
</tr>
</tbody>
</table>

**Color Metric Summary-3000K**

- **TM-30-15**:
  - $R_f = 90.9$
  - $R_g = 100.7$

- **CRI/CIE**:
  - $Ra = 94.1$
  - $R9 = 68.5$

**CCT - Range of 2700K- 5000K**

### HLB4S069FS1EMWR

**HLB4S SeleCCTable**

<table>
<thead>
<tr>
<th>CCT</th>
<th>Lumens</th>
<th>Power (W)</th>
<th>LPW</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>684.9</td>
<td>10.1</td>
<td>67.8</td>
</tr>
<tr>
<td>3000K</td>
<td>695.9</td>
<td>10.1</td>
<td>68.9</td>
</tr>
<tr>
<td>3500K</td>
<td>689.6</td>
<td>10.1</td>
<td>68.3</td>
</tr>
<tr>
<td>4000K</td>
<td>693.7</td>
<td>10.1</td>
<td>68.7</td>
</tr>
<tr>
<td>5000K</td>
<td>694.6</td>
<td>10.1</td>
<td>68.8</td>
</tr>
</tbody>
</table>

**HLB4S069FS1EMWR-3000K**

- **Luminaire lumens**: 696
- **Input watts**: 10.1
- **LER (LPW)**: 68.9

**Spacing Criteria**

- 0-180: 1.30
- 90-270: 1.32
- Diagonal: 1.40

**Beam angle (degrees)**: 110.3

**Field angle (degrees)**: 161.8

**Zonal lumen**

<table>
<thead>
<tr>
<th>Zonal lumen</th>
<th>Lumens</th>
<th>% Lumens</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30</td>
<td>196</td>
<td>28.1</td>
</tr>
<tr>
<td>0-40</td>
<td>321</td>
<td>46.1</td>
</tr>
<tr>
<td>0-60</td>
<td>557</td>
<td>80</td>
</tr>
<tr>
<td>0-90</td>
<td>696</td>
<td>100</td>
</tr>
</tbody>
</table>

**Color Metric Summary-3000K**

- **TM-30-15**:
  - $R_f = 90.1$
  - $R_g = 97.9$

- **CRI/CIE**:
  - $Ra = 95$
  - $R9 = 75.8$

**CCT - Range of 2700K- 5000K**

*Additional photometric ies files available online.*
**HLB4SP069FS1EMWR**  
HLB4SP SeleCCTable

<table>
<thead>
<tr>
<th>CCT</th>
<th>Lumens</th>
<th>Power (W)</th>
<th>LPW</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>638</td>
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<tr>
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<td>654</td>
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<tr>
<td>3500K</td>
<td>669</td>
<td>10.1</td>
<td>66.2</td>
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<tr>
<td>4000K</td>
<td>683</td>
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<td>67.6</td>
</tr>
<tr>
<td>5000K</td>
<td>704</td>
<td>10.1</td>
<td>69.7</td>
</tr>
</tbody>
</table>

**HLB4S069FS1EMW-3000K**

- **Luminaire lumens**: 654
- **Input watts**: 10.2
- **LER (LPW)**: 64.12

**Spacing Criteria**
- 0-180: 1.16
- 90-270: 1.18
- Diagonal: 1.18

**Beam angle (degrees)**: 82.8

**Field angle (degrees)**: 147.1

<table>
<thead>
<tr>
<th>Zonal lumen</th>
<th>Lumens</th>
<th>% Lumens</th>
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<tbody>
<tr>
<td>0-30</td>
<td>2472</td>
<td>378</td>
</tr>
<tr>
<td>0-40</td>
<td>380</td>
<td>58.1</td>
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<tr>
<td>0-60</td>
<td>558.5</td>
<td>85.4</td>
</tr>
<tr>
<td>0-90</td>
<td>654</td>
<td>100</td>
</tr>
</tbody>
</table>

**CCT - Range of 2700K-5000K**

- **CRI/CIE**
  - **Ra**: 96.2
  - **R9**: 82.2
- **TM-30-15**
  - **Rf**: 94
  - **Rg**: 100
### Product and Photometric Data

#### HLB6099FS1EMWR
HLB6 SeleCCTable

<table>
<thead>
<tr>
<th>CCT</th>
<th>Lumens</th>
<th>Power (W)</th>
<th>LPW</th>
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<tbody>
<tr>
<td>2700K</td>
<td>1037.3</td>
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<td>64.8</td>
</tr>
<tr>
<td>3000K</td>
<td>1061.0</td>
<td>16</td>
<td>66.3</td>
</tr>
<tr>
<td>3500K</td>
<td>1078.9</td>
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<td>67.4</td>
</tr>
<tr>
<td>4000K</td>
<td>1094.9</td>
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<tr>
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<td>16</td>
<td>69.0</td>
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</table>

#### HLB6099FS1EMWR-3000K

<table>
<thead>
<tr>
<th>Luminaire lumens</th>
<th>Input watts</th>
<th>LER (LPW)</th>
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</thead>
<tbody>
<tr>
<td>1061</td>
<td>16</td>
<td>66.3</td>
</tr>
</tbody>
</table>

**Spacing Criteria**
- 0-180: 1.31
- 90-270: 1.31
- Diagonal: 1.41

**Beam angle (degrees)**: 112.2

**Field angle (degrees)**: 161.3

**Zonal lumen Lumens % Lumens**
- 0-30: 294, 27.7
- 0-40: 486, 45.8
- 0-60: 851, 80.2
- 0-90: 1061, 100

#### HLB6S099FS1EMWR
HLB6S SeleCCTable

<table>
<thead>
<tr>
<th>CCT</th>
<th>Lumens</th>
<th>Power (W)</th>
<th>LPW</th>
</tr>
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<tbody>
<tr>
<td>2700K</td>
<td>954</td>
<td>13.7</td>
<td>69.6</td>
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<tr>
<td>3000K</td>
<td>975</td>
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<td>71.1</td>
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<tr>
<td>3500K</td>
<td>1002</td>
<td>13.7</td>
<td>73.2</td>
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<tr>
<td>4000K</td>
<td>1012</td>
<td>13.7</td>
<td>73.9</td>
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<tr>
<td>5000K</td>
<td>1009</td>
<td>13.7</td>
<td>73.6</td>
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</table>

**Color Metric Summary-3000K**

**CCT - Range of 2700K- 5000K**

<table>
<thead>
<tr>
<th>Luminaire lumens</th>
<th>Input watts</th>
<th>LER (LPW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>954</td>
<td>13.7</td>
<td>69.6</td>
</tr>
</tbody>
</table>

**Spacing Criteria**
- 0-180: 1.22
- 90-270: 1.30
- Diagonal: 1.38

**Beam angle (degrees)**: 110.3

**Field angle (degrees)**: 161.8

**Zonal lumen Lumens % Lumens**
- 0-30: 273, 28
- 0-40: 449, 46.1
- 0-60: 782, 80.2
- 0-90: 975, 100

*Additional photometric ies files available online.*
Product and Photometric Data

HLA305FL9301EMWR
HLA3 3000K

<table>
<thead>
<tr>
<th>CCT</th>
<th>Lumens</th>
<th>Power (W)</th>
<th>LPW</th>
</tr>
</thead>
<tbody>
<tr>
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<td>606.8</td>
<td>8.6</td>
<td>70.6</td>
</tr>
<tr>
<td>3000K</td>
<td>631.7</td>
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<td>73.5</td>
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</table>

**HLA305FL9301EMWR-3000K**

<table>
<thead>
<tr>
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<th>Luminaire lumens</th>
<th>Input watts</th>
<th>LER (LPW)</th>
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</thead>
<tbody>
<tr>
<td>0-180</td>
<td>631</td>
<td>8.6</td>
<td>73.37</td>
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<tr>
<td>90-270</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Diagonal</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Beam angle (degrees)**: 40

**Field angle (degrees)**: 74

<table>
<thead>
<tr>
<th>Zonal lumen</th>
<th>Lumens</th>
<th>% Lumens</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30</td>
<td>463.2</td>
<td>73.4</td>
</tr>
<tr>
<td>0-40</td>
<td>547.7</td>
<td>86.8</td>
</tr>
<tr>
<td>0-60</td>
<td>608.9</td>
<td>96.5</td>
</tr>
<tr>
<td>0-90</td>
<td>631.0</td>
<td>100</td>
</tr>
</tbody>
</table>

**Color Metric Summary-3000K**

| TM-30-15 | Rf = 91 |
| CRI/CIE  | Ra = 91.7 | R9 = 62 |

*Additional photometric ies files available online.*
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 (screw-less) style devices and wallplates. Refer to www.eaton.com for additional information.

**HALO HOME™**

**HALO Home In-wall Smart Dimmer**

HIWMA1BLE40AWH

Controls standard lighting fixtures with dimmer or HALO Home mobile app. Features include:
- ON/OFF
- Dim
- Group
- Scene
- Schedule

**Lighting Control Solution**

**HALO406FL9FS1EMWR**

<table>
<thead>
<tr>
<th>CCT</th>
<th>Lumens</th>
<th>Power (W)</th>
<th>LPW</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>689</td>
<td>10.2</td>
<td>675</td>
</tr>
<tr>
<td>3000K</td>
<td>711</td>
<td>10.2</td>
<td>69.72</td>
</tr>
<tr>
<td>3500K</td>
<td>730</td>
<td>10.2</td>
<td>71.58</td>
</tr>
<tr>
<td>4000K</td>
<td>745</td>
<td>10.2</td>
<td>73.04</td>
</tr>
<tr>
<td>5000K</td>
<td>759</td>
<td>10.2</td>
<td>74.39</td>
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</table>

**HLA406VWFL9FS1EMWR**

<table>
<thead>
<tr>
<th>CCT</th>
<th>Lumens</th>
<th>Power (W)</th>
<th>LPW</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>704</td>
<td>10.1</td>
<td>69.7</td>
</tr>
<tr>
<td>3000K</td>
<td>670</td>
<td>10.1</td>
<td>66.4</td>
</tr>
<tr>
<td>3500K</td>
<td>673</td>
<td>10.1</td>
<td>66.6</td>
</tr>
<tr>
<td>4000K</td>
<td>671</td>
<td>10.1</td>
<td>66.4</td>
</tr>
<tr>
<td>5000K</td>
<td>656</td>
<td>10.1</td>
<td>65.0</td>
</tr>
</tbody>
</table>

**Product and Photometric Data**

**HLA406FL9FS1EMWR-3000K**

<table>
<thead>
<tr>
<th>Luminaire lumens</th>
<th>711</th>
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</thead>
<tbody>
<tr>
<td>Input watts</td>
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<tr>
<td>LER (LPW)</td>
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<tr>
<td>Spacing Criteria</td>
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</tr>
<tr>
<td>0-180</td>
<td>0.66</td>
</tr>
<tr>
<td>90-270</td>
<td>0.66</td>
</tr>
<tr>
<td>Diagonal</td>
<td>0.64</td>
</tr>
<tr>
<td>Beam angle (degrees)</td>
<td>39.4</td>
</tr>
<tr>
<td>Field angle (degrees)</td>
<td>69.3</td>
</tr>
</tbody>
</table>

**Zonal lumen Lumens % Lumens**

| 0-30   | 546.8 | 76.9 |
| 0-40   | 625.7 | 88   |
| 0-60   | 685.4 | 96.4 |
| 0-90   | 711   | 100  |

**Color Metric Summary-3000K**

- TM-30-15: Rf = 90, Rg = 100
- Spacing Criteria:
  - 0-180: 1.18
  - 90-270: 1.18
  - Diagonal: 1.28
- Beam angle (degrees): 96.6
- Field angle (degrees): 156.7

**HLA406VWFL9FS1EMWR-3000K**

- Luminaire lumens: 670
- Input watts: 10.1
- LER (LPW): 66.34
- Spacing Criteria:
  - 0-180: 1.18
  - 90-270: 1.18
  - Diagonal: 1.28
- Beam angle (degrees): 96.6
- Field angle (degrees): 156.7

**Color Metric Summary-3000K**

- TM-30-15: Rf = 90, Rg = 100
- CRI/CIE:
  - Ra = 94.7
  - R9 = 69

**CCT - Range of 2700K-5000K**

- 40°: Warm
- 80°: Cool

*Additional photometric ies files available online.*
Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.halolighting.com

Canada Sales
5925 McLaughlin Road
Mississauga, Ontario L5R 1B8
P: 905-501-3000
F: 905-501-3172

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Corelite
Ephesus
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HALO Commercial
Invue
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IRIS
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Lumière
McGraw-Edison
Metalux
MWS
Neo-Ray
Portfolio
RSA
Shaper
Streetworks
Sure-Lites

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Greengate
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Zero 88

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Distributed Low-Voltage Power
HALO Home
iLumin Plus
LumaWatt Pro
WaveLinx

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