

**SMD**  
Surface Mount LED Downlight

**Halo**



**EATON**

*Powering Business Worldwide*

# SMD

## 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.



Innovation you can rely on



## 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
- Installs in many 3-1/2" and 4" ceiling junction boxes
- Retrofits 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

## Compliances



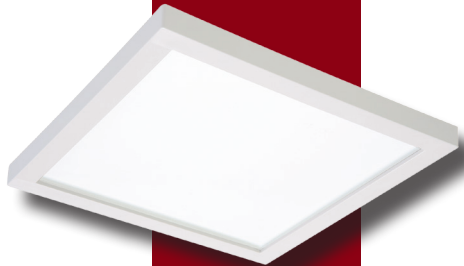
Refer to ENERGY STAR® Certified Products List.

Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.

# SMD

## 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<sup>Δ</sup>

<sup>Δ</sup>Images show junction box installation. Refer to the instructions provided with the product for other mounting options.



1. Install the junction box bracket onto the jbox.



2. Wire the connector to the house wiring and attach to the fixture.

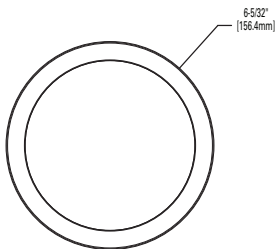


3. Align the two bracket tabs with the slots on the back of the fixture.

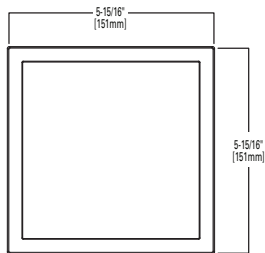


4. Push the fixture up into place.

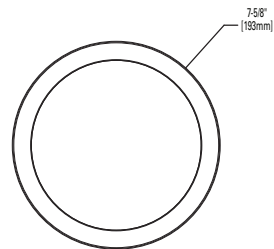
SMD4RXXXWH



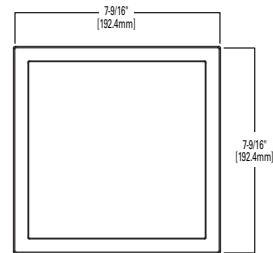
SMD4SXXXWH



SMD6RXXXWH

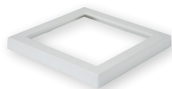


SMD6SXXXWH

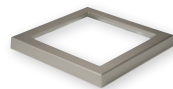


## SMD Designer Trims

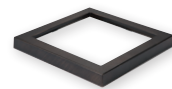
- exclusively for use with Halo SMD4 and SMD6 LED modules
- round or square trims
- finishes: white (paintable), satin nickel, tuscan bronze



square  
white (paintable)  
SMD4STRMWH  
SMD6STRMWH



square  
satin nickel  
SMD4STRMSN  
SMD6STRMSN



square  
tuscan bronze  
SMD4STRMTBZ  
SMD6STRMTBZ



round  
white (paintable)  
SMD4RTRMWH  
SMD6RTRMWH



round  
satin nickel  
SMD4RTRMSN  
SMD6RTRMSN



round  
tuscan bronze  
SMD4RTRMTBZ  
SMD6RTRMTBZ

## SMD Ordering Information

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

Models	Lumens	CRI / CCT	Finish	Accessories
<b>SMD4R=</b> 4" Round Surface Mount Downlight, 120V <b>SMD4S=</b> 4" Square Surface Mount Downlight, 120V	6=600 lumen series (nominal)	927=90CRI, 2700K 930=90CRI, 3000K 935=90CRI, 3500K 940=90CRI, 4000K 950=90CRI, 5000K	WH=Matte White	<u>Designer Trims</u> <b>SMD4RTRMSN=</b> 4" Round SMD Satin Nickel <b>SMD4RTRMTBZ=</b> 4" Round SMD Tuscan Bronze <b>SMD4RTRMWH=</b> 4" Round SMD White (paintable) <b>SMD4STRMSN=</b> 4" Square SMD Satin Nickel <b>SMD4STRMTBZ=</b> 4" Square SMD Tuscan Bronze <b>SMD4STRMWH=</b> 4" Square SMD White (paintable)



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

Models	Lumens	CRI / CCT	Finish	Accessories
<b>SMD6R=</b> 6" Round Surface Mount Downlight, 120V <b>SMD6S=</b> 6" Square Surface Mount Downlight, 120V	6=600 lumen series (nominal)	927=90CRI, 2700K 930=90CRI, 3000K 935=90CRI, 3500K 940=90CRI, 4000K 950=90CRI, 5000K	WH=Matte White	<u>Designer Trims</u> <b>SMD6RTRMSN=</b> 6" Round SMD Satin Nickel <b>SMD6RTRMTBZ=</b> 6" Round SMD Tuscan Bronze <b>SMD6RTRMWH=</b> 6" Round SMD White (paintable) <b>SMD6STRMSN=</b> 6" Square SMD Satin Nickel <b>SMD6STRMTBZ=</b> 6" Square SMD Tuscan Bronze <b>SMD6STRMWH=</b> 6" Square SMD White (paintable)



**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"



**Octagonal steel**

- 4" x 2-1/8"  
- 4" x 1-1/2"



**Square steel**

- 4" x 4" x 2-1/8"  
- 4" x 4" x 1-1/2"



**Round - new work fixture box (plastic)**

- 4" diameter x 2-3/16"  
- 3-1/2" diameter x 2-3/4"



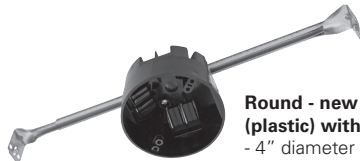
**Round - old work fixture box (plastic)**

- 4-1/4" flange x 2-5/8",  
3-1/2" I.D.



**Round surface mount**

- 4" diameter x 1-1/2"



**Round - new work fixture box (plastic) with bar hanger**

- 4" diameter x 2-3/16"

# Housing Compatibility

## Housings

### Halo LED 4-inch

H995ICAT= 4" LED, Insulated Ceiling, Air-Tite, New Construction Housing

H995RICAT= 4" LED, Insulated Ceiling, Air-Tite, Remodel Housing

### Halo Ultra-Shallow LED 4-inch

H245RICAT= 4" LED, Insulated Ceiling, Air-Tite, Ultra-Shallow Remodel Housing

### Halo Standard Housings 4-inch\*

H99ICAT= 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

E4ICATSB= 4" IC, Air-Tite, Shallow New Construction Housing

E4TATSB= 4" Non-IC, Air-Tite, Shallow New Construction Housing

E4RTATSB= 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= 6" 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  
ML7BXFK= 6" Retrofit Enclosure, Non-IC, BX Whip

### **Halo Standard Housings 6-inch**

H7ICAT= 6" Insulated Ceiling, Air-Tite New Construction Housing  
H7RICAT= 6" Insulated Ceiling, Air-Tite Remodel Housing  
H7ICT= 6" Insulated Ceiling, New Construction Housing  
H7RICT= 6" Insulated Ceiling, Remodel Housing  
H7ICATNB= 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket  
H7ICTNB= 6" Insulated Ceiling, New Construction Housing, No Socket Bracket

### **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  
H7UICAT= 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  
E7TAT= 6" Non-IC, New Construction Housing  
E7RTAT= 6" Non-IC, Remodel Housing  
E7TATNB= 6" Non-IC, New Construction Housing, No Socket Bracket

### **Halo Standard Housings 5-inch**

H5ICAT= 5" Insulated Ceiling, Air-Tite New Construction Housing  
H5RICAT= 5" Insulated Ceiling, Air-Tite Remodel Housing  
H5ICATNB= 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket  
H5T= 5" Non-IC, New Construction Housing  
H5RT= 5" Non-IC, Remodel Housing  
H5TNB= 5" Non-IC, New Construction Housing, No Socket Bracket  
E5ICAT= 5" Insulated Ceiling, Air-Tite New Construction Housing  
E5RICAT= 5" Insulated Ceiling, Air-Tite Remodel Housing  
E5ICATNB= 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket  
E5TAT= 5" Non-IC, New Construction Housing  
E5RTAT= 5" Non-IC, Remodel Housing  
E5TATNB= 5" Non-IC, New Construction Housing, No Socket Bracket

### **Halo Shallow Housings 6-inch**

H27ICAT= 6" Shallow, Insulated Ceiling, Air-Tite New Construction  
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  
E27RICAT= 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing  
E27TAT= 6" Shallow, Non-IC, New Construction Housing  
E27RTAT= 6" Shallow, Non-IC, Remodel Housing

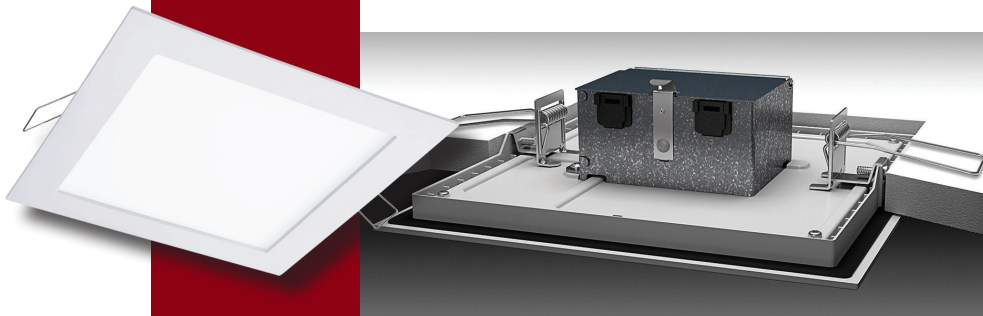
### **Halo Shallow Housings 5-inch**

H25ICAT= 5" Shallow, Insulated Ceiling, Air-Tite New Construction  
H25RICAT= 5" Shallow, Insulated Ceiling, Air-Tite Remodel  
H25ICATNB= 5" Shallow, Insulated Ceiling, Air-Tite New Construction, No Socket Bracket

# SMD-DM

## Direct Ceiling Mount

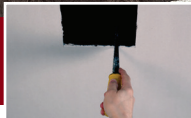
- 4-inch and 6-inch aperture, round and square
- No housng or junction box required
- Rated for wet location
- Dimmable





## Easy Installation\*

\*Images show installation of the square SMD-DM. Follow the same steps for the round products.



1. Cut a hole in drywall with the provided template.



2. Wire to the integrated fixture junction box.

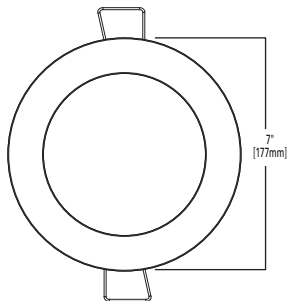
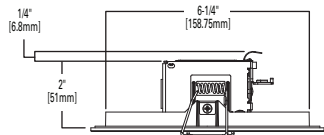


3. Fold both of the spring clips upward.

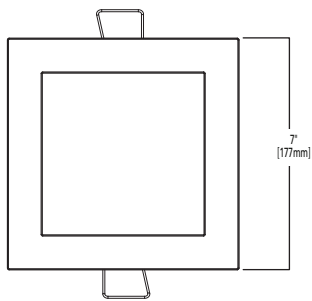
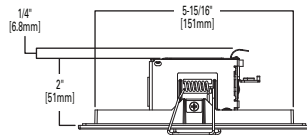


4. Push the fixture up into place.

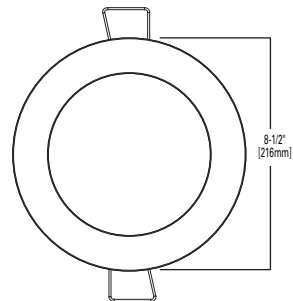
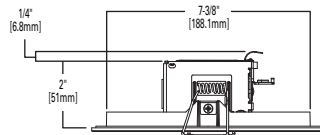
SMD4RXXWHDM



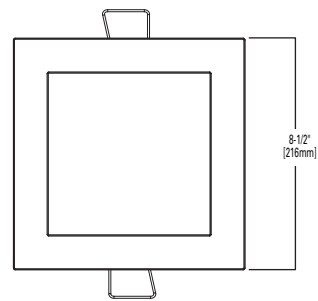
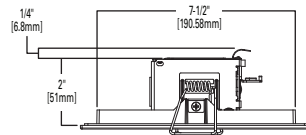
SMD4SXXWHDM



SMD6RXXWHDM



SMD6SXXWHDM



## SMD-DM Ordering Information

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

Models	Lumens	CRI / CCT	Finish	Mounting
<b>SMD4R= 4" Round Surface Mount Downlight, 120V</b> <b>SMD4S= 4" Square Surface Mount Downlight, 120V</b>	6=600 lumen series (nominal)	927=90CRI, 2700K 930=90CRI, 3000K 935=90CRI, 3500K 940=90CRI, 4000K 950=90CRI, 5000K	WH=Matte White	DM=Direct Mount

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

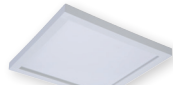
Models	Lumens	CRI / CCT	Finish	Mounting
<b>SMD6R= 6" Round Surface Mount Downlight, 120V</b> <b>SMD6S= 6" Square Surface Mount Downlight, 120V</b>	6=600 lumen series (nominal)	927=90CRI, 2700K 930=90CRI, 3000K 935=90CRI, 3500K 940=90CRI, 4000K 950=90CRI, 5000K	WH=Matte White	DM=Direct Mount

# Energy Data



## SMD4 Energy Data

	Round	Square
<b>Lumens (5000K)</b>	786	810
<b>Input Power</b>	9.7 W	10 W
<b>Input Current</b>	0.0811 A	0.0829 A
<b>Efficiency</b>	81 lm/W	81 lm/W
<b>THD</b>	13.3	13.2
<b>Input Voltage</b>	120V	120V
<b>Input Frequency</b>	50/60 Hz	50/60 Hz
<b>CRI</b>	90 CRI	90 CRI
<b>Power Factor</b>	≥ 0.99	≥ 0.99
<b>T Ambient</b>	-30°C - +40°C	-30°C - +40°C
<b>Sound Rating</b>	Class A	Class A



## SMD6 Energy Data

	Round	Square
<b>Lumens (5000K)</b>	788	815
<b>Input Power</b>	9.6 W	9.9 W
<b>Input Current</b>	0.0811 A	0.085 A
<b>Efficiency</b>	82 lm/W	82 lm/W
<b>THD</b>	13.9	14.7
<b>Input Voltage</b>	120V	120V
<b>Input Frequency</b>	50/60 Hz	50/60 Hz
<b>CRI</b>	90 CRI	90 CRI
<b>Power Factor</b>	≥ 0.99	≥ 0.99
<b>T Ambient</b>	-30°C - +40°C	-30°C - +40°C
<b>Sound Rating</b>	Class A	Class A



# 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](http://www.eaton.com) for additional information.



Dimmer Features	Decorator (DAL06P)	Slide (SAL06P)	Toggle (TAL06P)
Rapid Start feature	Fully adjustable	Fixed ON	Fully adjustable
Adjustable high-end trim			
Adjustable low-end trim	•	•	•
Wiring configurations	Single-pole or three-way	Single-pole or three-way	Single-pole or three-way
Color change kits	•		•

**Eaton**

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Peachtree City, GA 30269  
P: 770-486-4800  
[www.eaton.com/lighting](http://www.eaton.com/lighting)

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Mississauga, Ontario L5R 1B8  
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F: 905-501-3172

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