SMD
Surface Mount LED Downlight

Halo



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 (600 lumen series)
  - Lumens: up to 810 lumens
  - Wattage: 9.5W – 10.1W
  - Voltage: 120V, 50/60Hz
- 6" SMD6 Round and Square (600 lumen series)
  - Lumens: up to 815 lumens
  - Wattage: 9.6W – 10.5W
  - Voltage: 120V, 50/60Hz
- 6" SMD6 Round and Square (1200 lumen series)
  - Lumens: up to 1252 lumens
  - Wattage: 15.1W – 15.8W
  - 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

ENERGY STAR

Can be used for IECC International Energy Conservation Code High Efficacy Compliance

Efficiency Standards T24 Can be used to comply with 2016 Title 24 Part 6 LED Enclosed Light Source Requirements (JA8)

Efficiency Standards T20 California Title 20 Certified LED Tier 1 Lamp

RoHS

UL CERTIFIED SAFETY

Showerlight

airtight

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[Δ]



1. Install the junction box bracket onto the jbox.



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



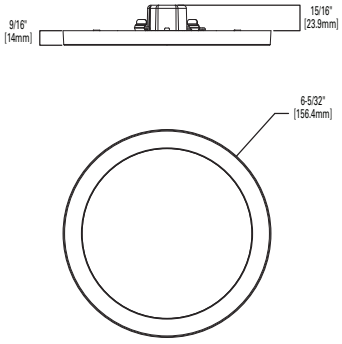
3. Align the two bracket tabs with the slots on the back of the fixture.



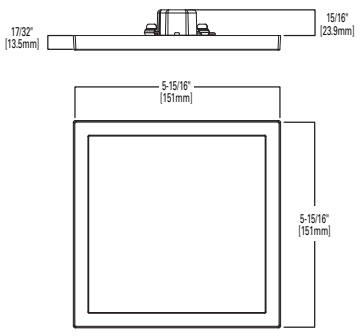
4. Push the fixture up into place.

[Δ]Images show junction box installation. Refer to the instructions provided with the product for other mounting options.

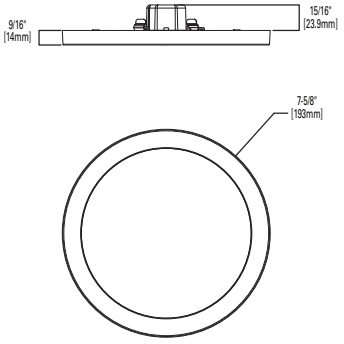
SMD4RXXXWH



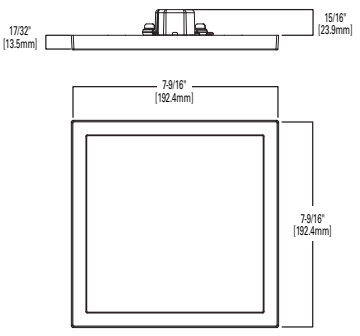
SMD4SXXXWH



SMD6RXXXWH

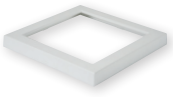


SMD6SXXXWH

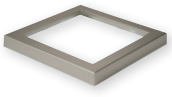


SMD Designer Trims

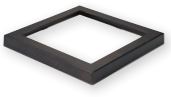
- exclusively for use with Halo SMD4 and SMD6 LED modules
- round or square trims
- finishes: white (paintable), satin nickel, tuscan bronze



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
SMD4R= 4" Round Surface Mount Downlight, 120V **SMD4S**= 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	Designer Trims **SMD4RTRMSN**=4" Round SMD Satin Nickel **SMD4RTRMTBZ**=4" Round SMD Tuscan Bronze **SMD4RTRMWH**=4" Round SMD White (paintable) **SMD4STRMSN**=4" Square SMD Satin Nickel **SMD4STRMTBZ**=4" Square SMD Tuscan Bronze **SMD4STRMWH**=4" Square SMD White (paintable)



*supply wire adapter with LED connector

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

Models	Lumens	CRI / CCT	Finish	Accessories
SMD6R= 6" Round Surface Mount Downlight, 120V **SMD6S**= 6" Square Surface Mount Downlight, 120V	**6**=600 lumen series (nominal) **12**=1200 lumen series (nominal)	**927**=90CRI, 2700K **930**=90CRI, 3000K **935**=90CRI, 3500K **940**=90CRI, 4000K **950**=90CRI, 5000K	**WH**=Matte White	Designer Trims **SMD6RTRMSN**=6" Round SMD Satin Nickel **SMD6RTRMTBZ**=6" Round SMD Tuscan Bronze **SMD6RTRMWH**=6" Round SMD White (paintable) **SMD6STRMSN**=6" Square SMD Satin Nickel **SMD6STRMTBZ**=6" Square SMD Tuscan Bronze **SMD6STRMWH**=6" Square SMD White (paintable)



**screwbase adapter with LED connector

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"



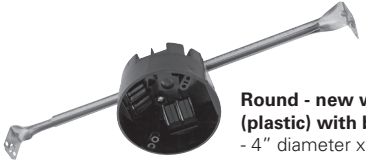
Round - new work fixture box (plastic)
- 4" diameter x 2-3/16"
- 3-1/2" diameter x 2-3/4"



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			Accessories
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 Romodel 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 Romodel 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	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

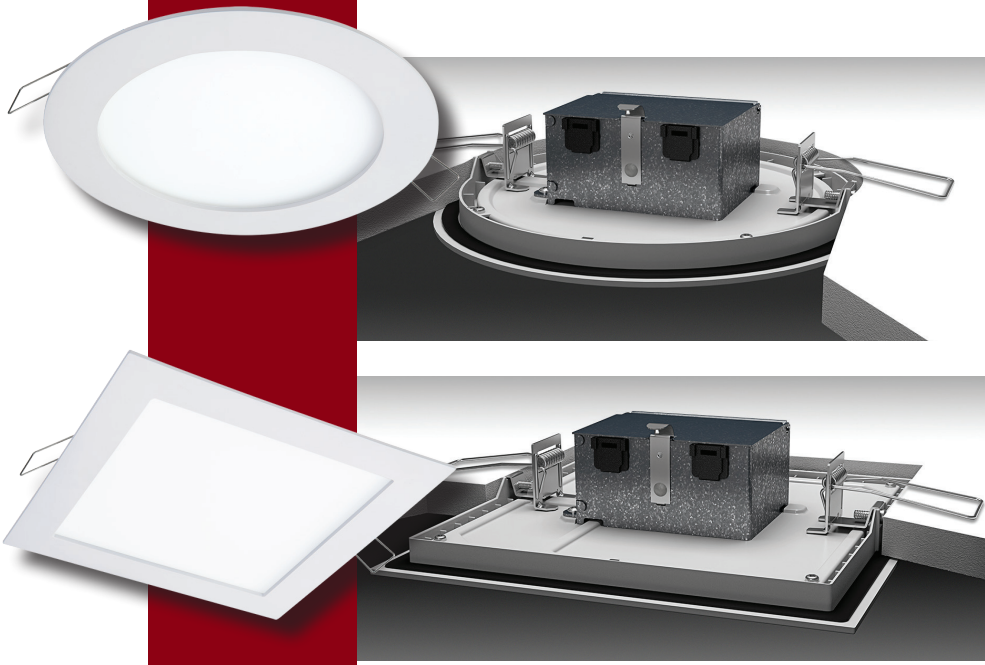
Halo Shallow Housings 6-inch
H27ICAT= 6" Shallow, Insulated Ceiling, Air-Tite New Construction
H27RICAT= 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing
H27T= 6" Shallow, Non-IC, New Construction Housing
H27RT= 6" Shallow, Non-IC, Remodel Housing
E27ICAT= 6" Shallow, Insulated Ceiling, Air-Tite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

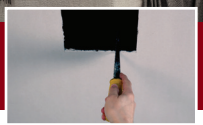
SMD-DM

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*



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



2. Wire to the integrated fixture junction box.



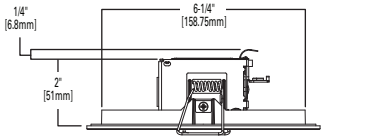
3. Fold both of the spring clips upward.

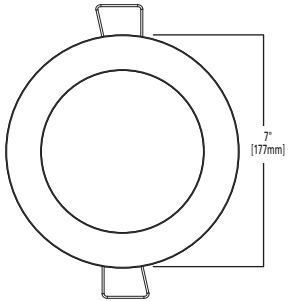


4. Push the fixture up into place.

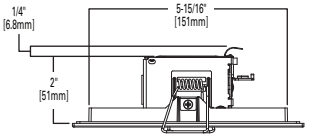
*Images show installation of the square SMD-DM. Follow the same steps for the round products.

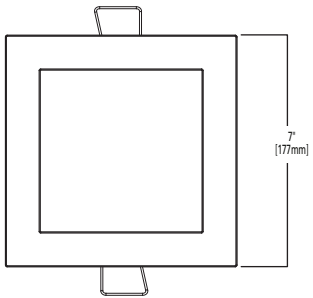
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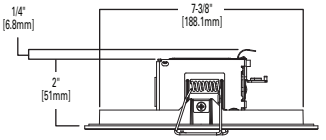


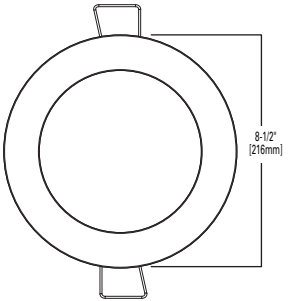
SMD4SXXXWHDM



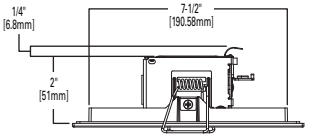


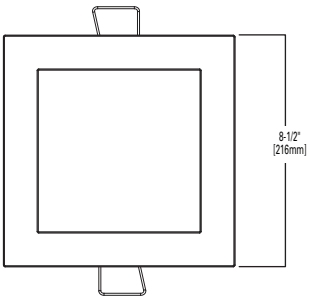
SMD6RXXXWHDM





SMD6SXXXWHDM





SMD-DM Ordering Information

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

Models	Lumens	CRI / CCT	Finish	Mounting
SMD4R= 4" Round Surface Mount Downlight, 120V **SMD4S**= 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	**DM**=Direct Mount

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

Models	Lumens	CRI / CCT	Finish	Mounting
SMD6R= 6" Round Surface Mount Downlight, 120V **SMD6S**= 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	**DM**=Direct Mount

Energy Data





SMD4 Energy Data	Round	Square
Lumens (5000K)	786	810
Input Power	9.7 W	10 W
Input Current	0.0811 A	0.0829 A
Efficiency	81 lm/W	81 lm/W
THD	13.3	13.2
Input Voltage	120V	120V
Input Frequency	50/60 Hz	50/60 Hz
CRI	90 CRI	90 CRI
Power Factor	≥ 0.99	≥ 0.99
T Ambient	-30°C - +40°C	-30°C - +40°C
Sound Rating	Class A	Class A





	600 lumen		1200 lumen	
SMD6 Energy Data	**Round**	**Square**	**Round**	**Square**
Lumens (5000K)	788	815	1252	1235
Input Power	9.6 W	9.9 W	15.3 W	15.7 W
Input Current	0.0811 A	0.085 A	0.133 A	0.132 A
Efficiency	82 lm/W	82 lm/W	81 lm/W	78 lm/W
THD	13.9	14.7	15.3	15.7
Input Voltage	120V	120V	120V	120V
Input Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
CRI	90 CRI	90 CRI	90 CRI	90 CRI
Power Factor	≥ 0.99	≥ 0.99	≥ 0.98	≥ 0.98
T Ambient	-30°C - +40°C	-30°C - +40°C	-30°C - +40°C	-30°C - +40°C
Sound Rating	Class A	Class A	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 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	•		•

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1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Canada Sales
5925 McLaughlin Road
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