

Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO

SMD6-DM

6-Inch Round and Square Canless

Typical Applications

Office • Education • Healthcare • Hospitality • Retail •
Code-Compliance Areas • Residential

Interactive Menu

- Order Information [page 2](#)
- Product Specifications [page 2](#)
- Energy Data [page 2](#)
- Photometric Data [page 3](#)
- Product Warranty
- Dimming Guide

Product Certification



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.

Product Features

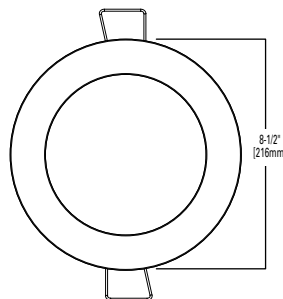
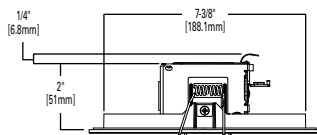


Top Product Features

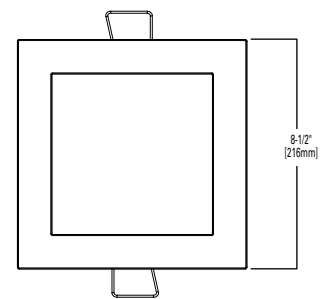
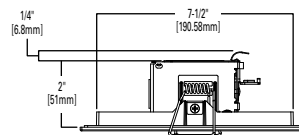
- Round and square surface-mount downlights with integral junction box
- Mounts into drywall ceiling/wall (no junction box or housing required)
- Ultra-low profile with wide distribution, Lumens: up to 810
- 5 color temperatures: 2700K, 3000K, 3500K, 4000K or 5000K CCT, CRI: 90
- Wet location listed for showers and protected ceilings
- Damp location listed for indoor ceiling or wall mounting

Dimensional and Mounting Details

SMD6RXXWHDM



SMD6SXXWHDM



Order Information

SAMPLE ORDER NUMBER: **SMD6R6930WHDM**

Models	Lumens	CRI / CCT	Finish	Mounting
SMD6R = 6" Round Surface Mount Downlight, 120V SMD6S = 6" Square Surface Mount Downlight, 120V	6 = 600 lumens series	927 =90CRI, 2700K 930 =90CRI, 3000K 935 =90CRI, 3500K 940 =90CRI, 4000K 950 =90CRI, 5000K	WH =White	DM =Direct Mount
Notes	Notes	Notes	Notes	Notes

Product Specifications

Housing

- Non-electrically conductive polycarbonate frame.
- High impact diffuse polystyrene lens provides shielding to the light guide with no pixilation
- Stamped aluminum housing provides thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications

Gaskets

- Closed cell gasket achieves restrictive airflow and wet location requirements without additional caulking

Optics

- Precision acrylic light guide organizes source flux into wide distribution with 1.2 – 1.4 spacing criteria useful for general area illumination

LED

- Mid power led array provide a uniform source with high efficiency and long life.
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 3 SDCM provide color accuracy and uniformity

Driver

- Integral 120V 50/60Hz constant current driver provides noise free operation.
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers.
- Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox.)
- Inline electrical quick connect (provided) provides mains connections.

Mounting/Retention

- The SMD-DM with Spring Clips requires no housing or junction box.
- The integral enclosure may be used in direct contact with insulation including spray foam insulation.
- Installer must cut template out of drywall, and install into the aperture with the clips compressed.
- When released, the spring clips will rest on to the back side of the drywall.
- Installer must ensure secure fit and wiring. This includes all applicable national and local electrical and building codes

Compliance

- UL Certified for US and Canada, type IC suitable for direct contact with air permeable insulation
- Not for use in direct contact with spray foam insulation, reference NEMA LSD57-2013
- Wet and Damp Location listed, airtight per ASTM-E283
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)
- EMI/RFI emissions per FCC 47CFR Part 15B
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Can be used for State of California Title 24 high efficacy luminaire compliance, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings.
- Can be used for International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire compliance

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/warranty

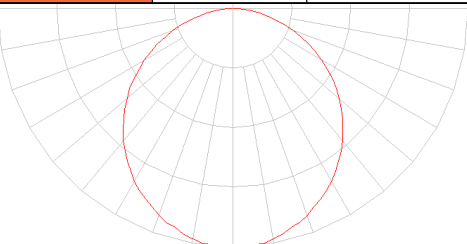
Energy Data

	Round	Square
Lumens (5000K)	788	815
Input Voltage	120V	120V
Input current	0.0811 A	0.085 A
Input Power	9.62 W	9.9 W
Efficiency	82 lm/W	82 lm/W
THD	13.9	14.7
PF	0.99	0.99
Sound Rating	Class A	Class A

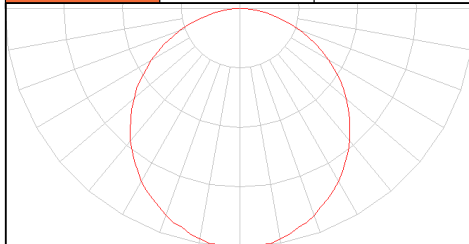
Photometric Data

[View IES files](#)

SMD6R6927WHDM		
Luminaire lumens		750
Input watts		9.4
LER (LPW)		80
Spacing Criteria	0-180	1.26
	90-270	1.26
	Diagonal	1.38
Beam angle (degrees)		112
Field angle (degrees)		162
Max. Candela		264
Zonal lumen	Lumens	% Lumens
0-30	204	27.2%
0-40	334	44.5%
0-60	590	78.6%
0-90	750	100.00%



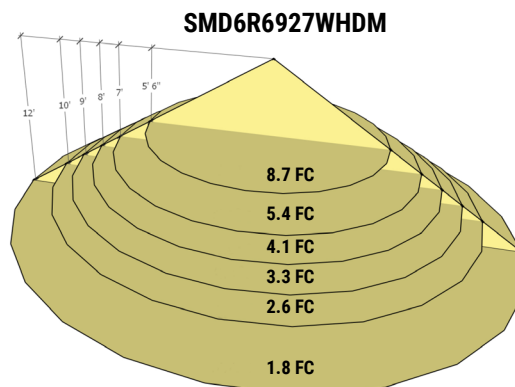
SMD6S6927WHDM		
Luminaire lumens		750
Input watts		10.0
LER (LPW)		75
Spacing Criteria	0-180	1.24
	90-270	1.24
	Diagonal	1.36
Beam angle (degrees)		112
Field angle (degrees)		162
Max. Candela		271
Zonal lumen	Lumens	% Lumens
0-30	207	27.6%
0-40	337	44.9%
0-60	590	78.6%
0-90	750	100.00%



Catalog No.	CRI	CCT	Lumens	Power (W)	LPW
SMD6R6927WHDM	93	2700	754	9.6	78.5
SMD6R6930WHDM	92	3000	758	9.6	78.7
SMD6R6935WHDM	95	3500	740	9.6	77.0
SMD6R6940WHDM	94	4000	792	9.8	80.5
SMD6R6950WHDM	92	5000	788	9.6	81.9
SMD6S6927WHDM	92	2700	750	10.0	75.0
SMD6S6930WHDM	92	3000	790	9.9	79.8
SMD6S6935WHDM	93	3500	740	10.0	74.0
SMD6S6940WHDM	92	4000	760	10.3	73.8
SMD6S6950WHDM	90	5000	815	9.9	82.3

Foot-candle Values at Nadir 0 degree Aiming Angle			
DD (FT)	SMD6R6927WHDM (FC)	SMD6S6927WHDM (FC)	DIA (FT)
5.5	8.7	9.0	16.3
7	5.4	5.5	20.9
8	4.1	4.2	23.8
9	3.3	3.3	26.8
10	2.6	2.7	29.7
12	1.8	1.9	35.7

DD = distance down to illuminated work plane
 FC = initial foot-candles at nadir
 DIA = diameter



Multiplier Table					
CCT Option	2700K	3000K	3500K	4000K	5000K
CCT Multiplier	1.00	1.014	1.042	1.083	1.083

Note: Refer to IES files for more product data.