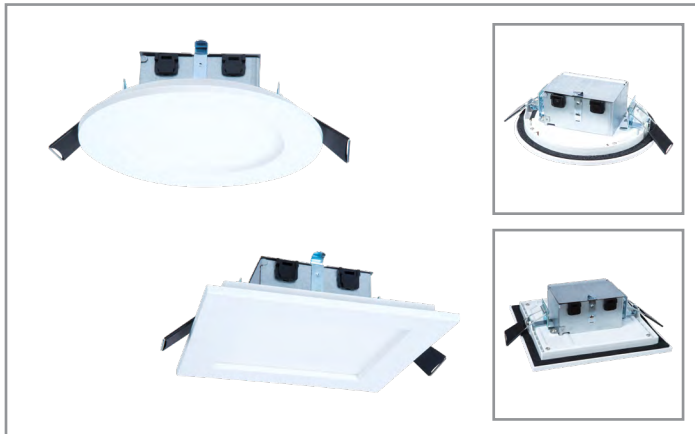


Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO

SMD4-DM

4-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

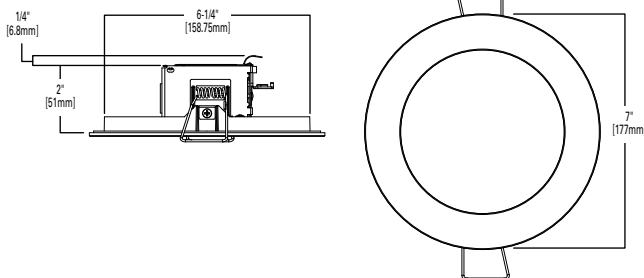


Top Product Features

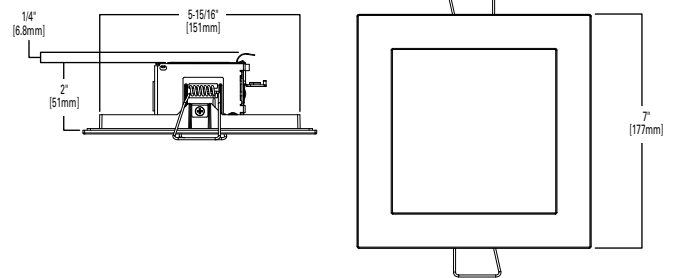
- Round and square surface-mount downlights with integral junction box
- Mounts into drywall ceiling/wall (no junction box or housing required)
- Ultra-low profile with wide distribution, Lumens: up to 810
- 5 color temperatures: 2700K, 3000K, 3500K, 4000K or 5000K CCT, CRI: 90
- Wet location listed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

Dimensional and Mounting Details

SMD4RXXWHDM



SMD4SXXWHDM



Order Information

SAMPLE ORDER NUMBER: **SMD4R6930WHDM**

Models	Lumens	CRI / CCT	Finish	Mounting
SMD4R = 4" Round Surface Mount Downlight, 120V SMD4S = 4" 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 Coe (IECC) and Washington State Energy Code high efficiency luminaire compliance

Warranty

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

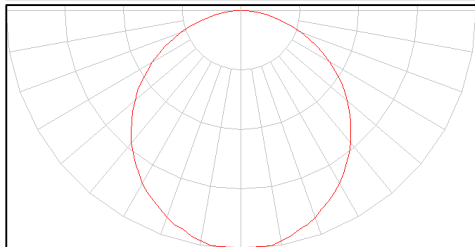
Energy Data

	Round	Square
Lumens (5000K)	786	810
Input Voltage	120V	120V
Input current	0.0811 A	0.0829 A
Input Power	9.7 W	10 W
Efficiency	81 lm/W	81 lm/W
THD	13.3	13.2
PF	0.99	0.99
Sound Rating	Class A	Class A

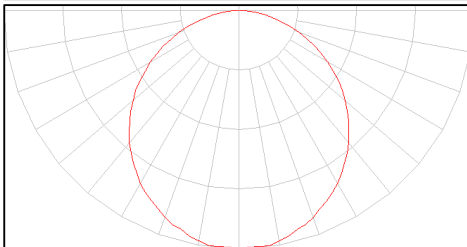
Photometric Data

[View IES files](#)

SMD4R6927WHDM		
Luminaire lumens		690
Input watts		9.5
LER (LPW)		73
Spacing Criteria	0-180	1.26
	90-270	1.26
	Diagonal	1.38
Beam angle (degrees)		112
Field angle (degrees)		162
Max. Candela		243
Zonal lumen	Lumens	% Lumens
0-30	187	27.2%
0-40	306	44.5%
0-60	542	78.6%
0-90	690	100.00%



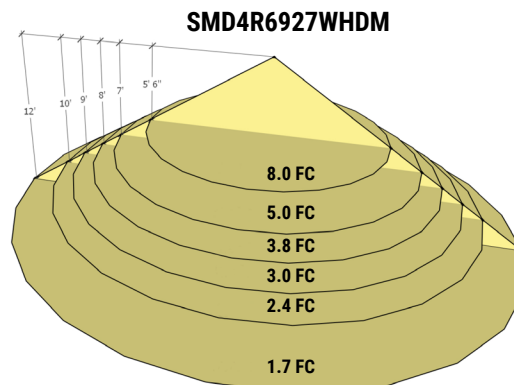
SMD4S6927WHDM		
Luminaire lumens		750
Input watts		9.5
LER (LPW)		79
Spacing Criteria	0-180	1.24
	90-270	1.24
	Diagonal	1.36
Beam angle (degrees)		109
Field angle (degrees)		162
Max. Candela		278
Zonal lumen	Lumens	% Lumens
0-30	207	27.6%
0-40	336	44.9%
0-60	589	78.6%
0-90	750	100.00%



Catalog No.	CRI	CCT	Lumens	Power (W)	LPW
SMD4R6927WHDM	93	2700	690	9.50	72.6
SMD4R6930WHDM	93	3000	700	9.70	72.2
SMD4R6935WHDM	94	3500	740	9.70	76.3
SMD4R6940WHDM	94	4000	760	9.80	77.6
SMD4R6950WHDM	91	5000	786	9.70	81.0
SMD4S6927WHDM	92	2700	750	9.50	78.9
SMD4S6930WHDM	92	3000	790	9.90	79.8
SMD4S6935WHDM	93	3500	740	9.90	74.7
SMD4S6940WHDM	93	4000	800	10.10	79.2
SMD4S6950WHDM	90	5000	810	10.00	81.0

Foot-candle Values at Nadir 0 degree Aiming Angle			
DD (FT)	SMD4R6927WHDM (FC)	SMD4S6927WHDM (FC)	DIA (FT)
5.5	8.0	9.2	16.3
7	5.0	5.7	20.9
8	3.8	4.3	23.8
9	3.0	3.4	26.8
10	2.4	2.8	29.7
12	1.7	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.