



Certified LED Lights®

Product Data Sheet
Architectural Downlight



Product Overview

The 4", 6", 8" Architectural Canless Downlights are a recessed retrofit solution that has an integrated LED power supply with spring installation directly in the ceiling without a housing. It is perfect for new construction. This high-efficiency fixture provides long-life and uniform illumination as well as a (Dual- Mode) MAGIC driver model offering both Triac dimmable @ 120V and 0-10V @ 277V dimmable. All sizes come with a 5 year warranty.

Each light is 3 wattage and 5 CCT 27, 30, 35, 40 and 50K selectable to fit most needs. It is the perfect choice for both new construction and retrofits making it ideal for offices, schools, hospitals, and other indoor spaces. The light engine is comprised of long-lasting, energy-efficient LEDs mounted on aluminum heat sinks. In addition to reducing heat dissipation, this setup extends the life of the product. Even after 50,000 hours of continuous operation, these LEDs maintain 90% of their light output.

An independent laboratory tests our lights and LED components to ensure they meet the IESNA LM-79 and LM-80 standards. LED color temperature is warrantied to shift no more than 180K over the standard warranty period. Correlated Color Temperature (CCT) follows the guidelines set forth in the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Applications



Schools



Offices



Commercial
Buildings



Healthcare

- * CCT: 5 color temperature selectable in the field
- * Wattage: 3 adjustable power selectable in the field
- * ETL listed for wet location
- * California Title 24 - JA8-2022-E
- * IC Rated for direct contact with insulation
- * FCC Part 15, Class B
- * 105 to 126 lumens per watt
- * Long-life LEDs provide 50,000 hours of operation
- * Universal 100-277 AC voltage (50-60Hz) is standard
- * Triac dimming capability is standard. Compatible with most triac dimmers to give user a smooth 100%-10% dimming to choose the desired brightness. All models are standard with a (Dual- Mode) MAGIC driver model offering both Triac dimmable @ 120V and 0-10V @ 277V dimmable
- * Designed with integral whip to connect directly to a junction box; Ideal for installation into existing CFL pin-based fixture infrastructure
- * High quality Aluminium shell with frosted PC diffuser

Product Warranty



Highlights and Certifications



ETL Listed



Wet Location



FCC Part 15
Class B



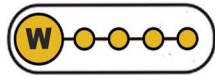
Dupli Mode MAGIC
Driver: 0-10V @
277V and Triac
dimmable @120V on
all models



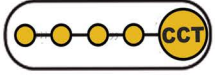
JA8 California
Title 24



IC Rated



Field selectable wattage 3-way dip switch



Field selectable CCT 5-way switch: 27K,
3K, 35K, 4K 5K

Key Specifications

- * CCT: color temperature selectable 27K, 3K, 35K, 4K, 5K
- * 3-way Adjustable power
- * *Operating temperatures from -4°F to 104°F*
- * *Storage temperature from -4°F to 158°F*
- * Power factor > 0.90
- * THD < 20%
- * CRI > 80
- * Viewing angle: 100 degrees
- * Compatible w/ most architectural housings or frames
- * The adjustable housing clips allow for installation in a large range of commercial and architectural housings. These spring-action clips push up easily and fit securely for both retrofit and new construction installations.

Performance

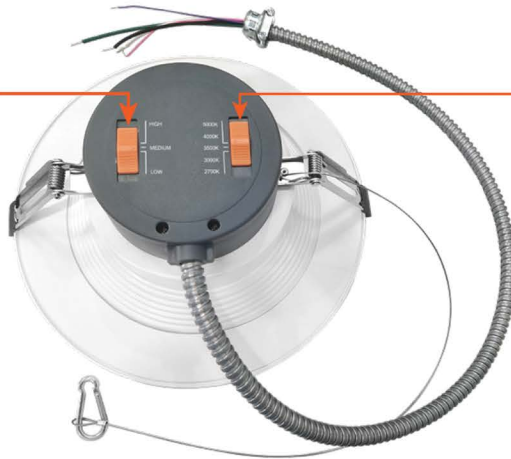
6 Watts		4CMCT12LR05					9 Watts				
Color	2700	3000	3500	4000	5000	Color	2700	3000	3500	4000	5000
Lumens	704	725	734	747	746	Lumens	961	994	1,018	1,014	1,009
Lumens / Watt	106.66	110.11	114.56	116.10	116.26	Lumens / Watt	103.04	107.29	112.34	114.03	112.83
12 Watts											
Color	2700	3000	3500	4000	5000						
Lumens	1,195	1,243	1,267	1,285	1,178						
Lumens / Watt	99.31	104.00	110.09	111.15	109.91						
12 Watts		6CMCT22LR05					17 Watts				
Color	2700	3000	3500	4000	5000	Color	2700	3000	3500	4000	5000
Lumens	1,240	1,301	1,336	1,354	1,339	Lumens	1,720	1,820	1,878	1,894	1,820
Lumens /Watt	107.89	114.12	119.34	119.82	115.47	Lumens / Watt	103.66	111.67	116.69	116.92	109.66
22 Watts											
Color	2700	3000	3500	4000	5000						
Lumens	2,104	2,248	2,334	2,349	2,247						
Lumens / Watt	98.80	107.08	113.34	112.94	104.53						
17 Watts		8CMCT30LR05					24 Watts				
Color	2700	3000	3500	4000	5000	Color	2700	3000	3500	4000	5000
Lumens	1,859	1,926	1,981	1,999	1,956	Lumens	2,459	2,567	2,656	2,672	2,575
Lumens /Watt	115.52	120.42	125.43	125.78	121.52	Lumens / Watt	110.29	116.71	122.98	122.57	116.03
30 Watts											
Color	2700	3000	3500	4000	5000						
Lumens	2,906	3,053	3,199	3,270	3,102						
Lumens / Watt	105.69	112.69	119.37	119.80	111.61						

Selectable wattage

4inch: 6-9-12W

6inch: 12-17-22W

8inch: 17-24-30W



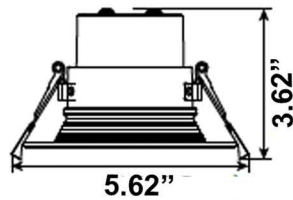
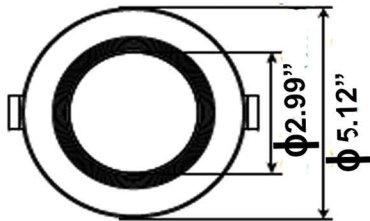
Selectable CCT

2700K, 3000K, 3500K, 4000K, 5000K

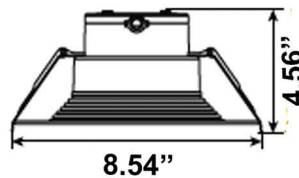
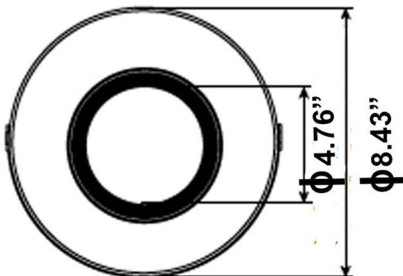


Dimensions

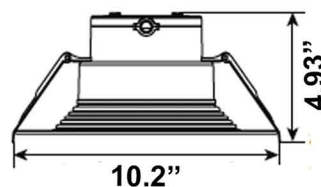
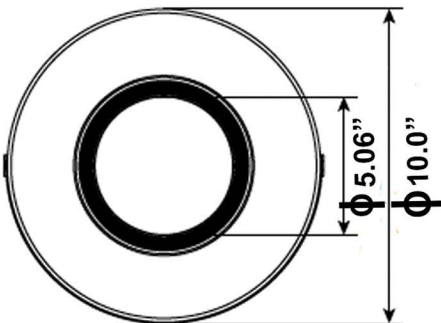
4 inch



6 inch



8 inch



Ordering Guide

PART#	LUMENS	WATTS SELECTABLE	LM/W	CCT COLOR TEMPS
4CMCT12LR05	704 TO 1285	6, 9, 12	106 -111	27,30,35,40,50K
6CMCT22LR05	1240 TO 2349	12, 17, 22	98 - 119	27,30,35,40,50K
8CMCT30LR05	1859 TO 3270	17, 24, 30	105 – 126	27,30,35,40,50K

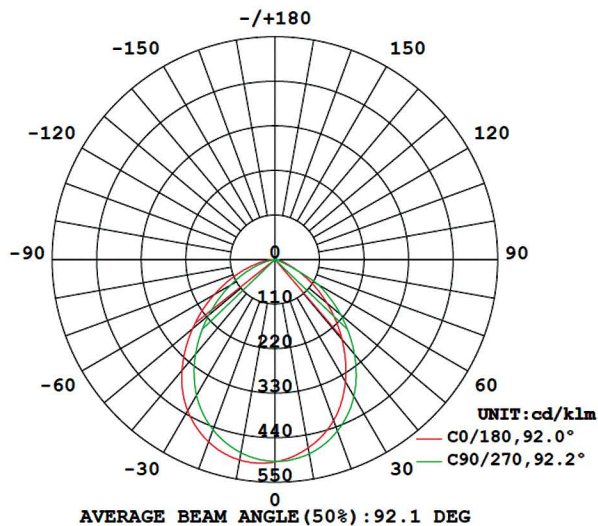
Notes:

- 4CMCT means 4" ; 6CMCT means 6" ; 8CMCT means 8"
- 12, 22, 30 means wattage means 12, 22, 30W
- LR05 describes a manufacturer's part number

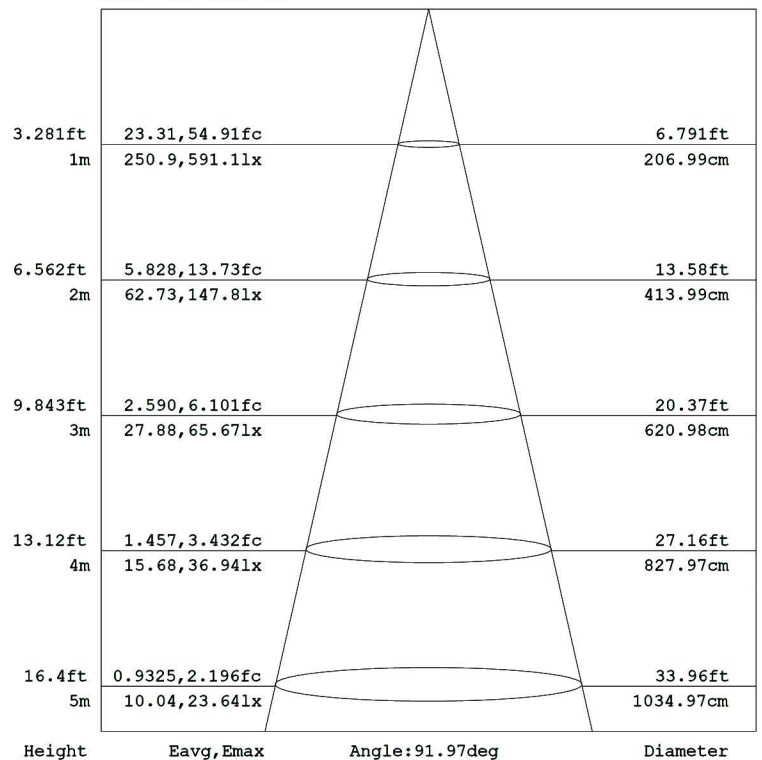
Photometric Data

4" light 12W @ 5000K

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Flux out: 845.4 lm



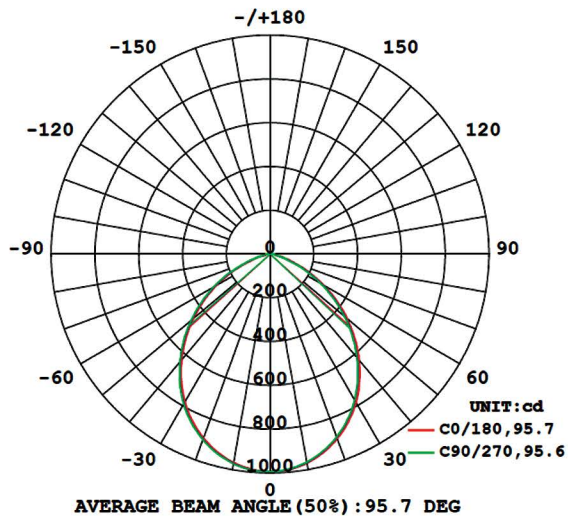
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



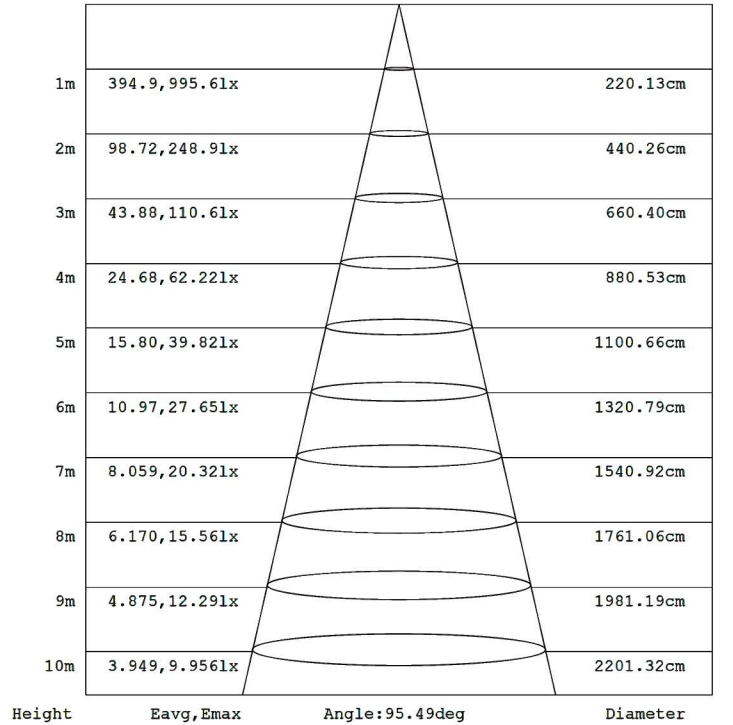
Photometric Data

6" light 22W @ 5000K

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



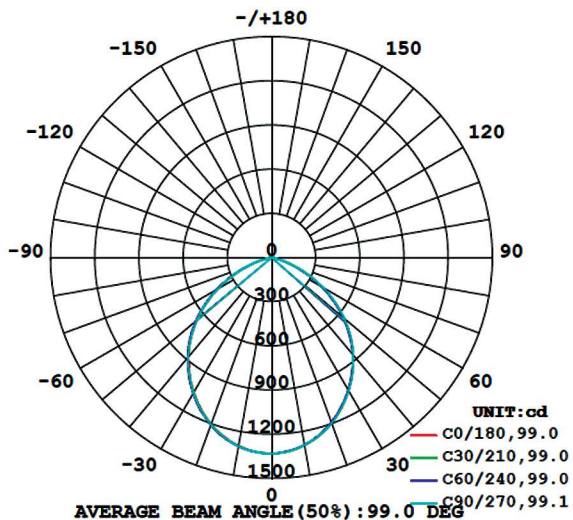
Flux out:1530 lm



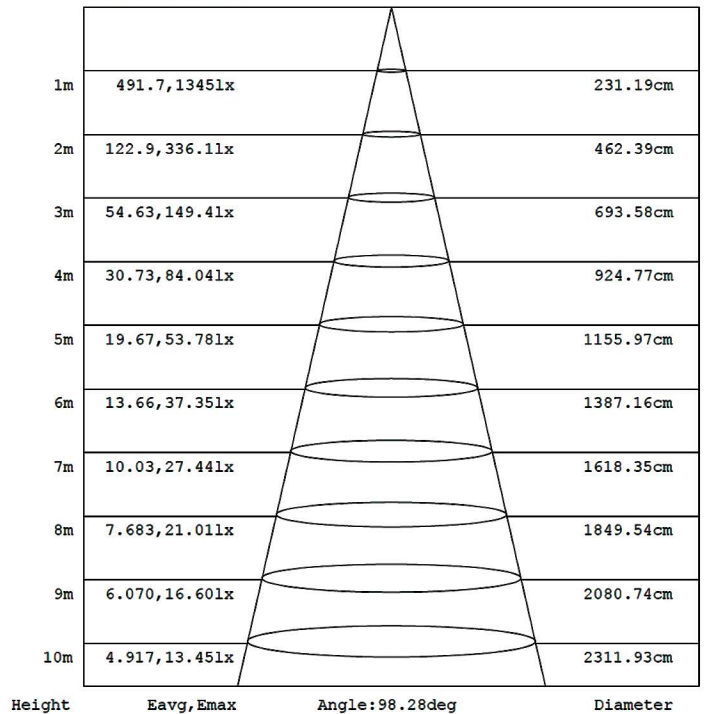
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

8" light 30W @ 5000K

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Flux out:2194 lm



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.