



#### 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-efficacy 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



- \* 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





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# ARCHITECTURAL DOWNLIGHT 4", 6", 8"

## Highlights and Certifications



ETL Listed



Wet Location



FCC Part 15  
Class B



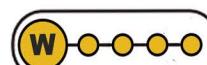
Dupli Mode MAGIC  
Driver: 0-10V @  
277V and Triac  
dimmable @120V on  
all models



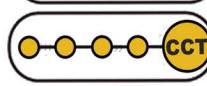
JA8 California  
Title 24



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	Color	2700	3000	3500	4000	5000
Lumens	704	725	734	747	746	Lumens	961	994	1,018	1,014	1,009	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	Lumens / Watt	103.04	107.29	112.34	114.03	112.83
12 Watts					6CMCT22LR05					17 Watts							
Color	2700	3000	3500	4000	5000	Color	2700	3000	3500	4000	5000	Color	2700	3000	3500	4000	5000
Lumens	1,195	1,243	1,267	1,285	1,178	Lumens	1,720	1,820	1,878	1,894	1,820	Lumens	1,720	1,820	1,878	1,894	1,820
Lumens / Watt	99.31	104.00	110.09	111.15	109.91	Lumens / Watt	103.66	111.67	116.69	116.92	109.66	Lumens / Watt	103.66	111.67	116.69	116.92	109.66
22 Watts					8CMCT30LR05					24 Watts							
Color	2700	3000	3500	4000	5000	Color	2700	3000	3500	4000	5000	Color	2700	3000	3500	4000	5000
Lumens	2,104	2,248	2,334	2,349	2,247	Lumens	2,459	2,567	2,656	2,672	2,575	Lumens	2,459	2,567	2,656	2,672	2,575
Lumens / Watt	98.80	107.08	113.34	112.94	104.53	Lumens / Watt	110.29	116.71	122.98	122.57	116.03	Lumens / Watt	110.29	116.71	122.98	122.57	116.03
30 Watts					8CMCT30LR05					24 Watts							
Color	2700	3000	3500	4000	5000	Color	2700	3000	3500	4000	5000	Color	2700	3000	3500	4000	5000
Lumens	2,906	3,053	3,199	3,270	3,102	Lumens	2,459	2,567	2,656	2,672	2,575	Lumens	2,459	2,567	2,656	2,672	2,575
Lumens / Watt	105.69	112.69	119.37	119.80	111.61	Lumens / Watt	110.29	116.71	122.98	122.57	116.03	Lumens / Watt	110.29	116.71	122.98	122.57	116.03



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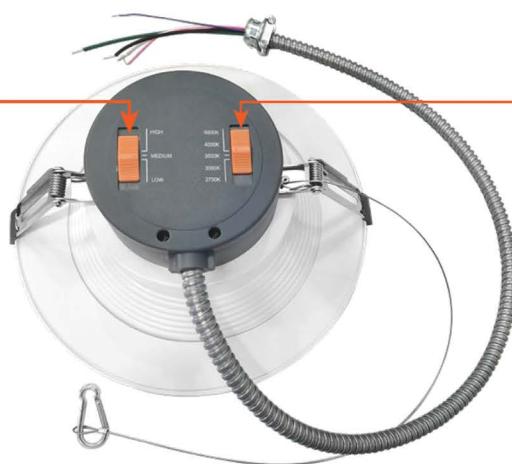
## ARCHITECTURAL DOWNLIGHT 4", 6", 8"

### Selectable wattage

4inch: 6-9-12W

6inch: 12-17-22W

8inch: 17-24-30W



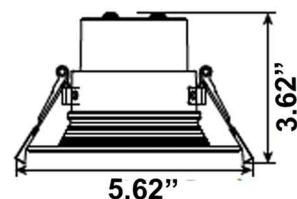
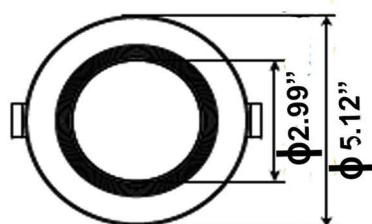
### Selectable CCT

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

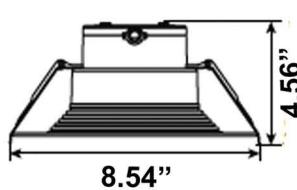
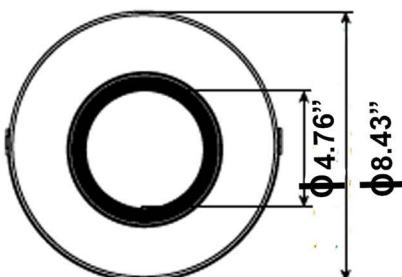


### Dimensions

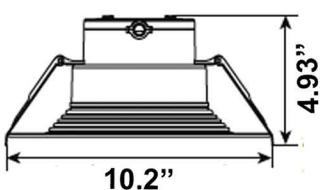
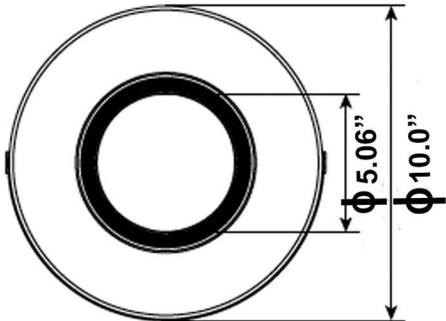
#### 4 inch



#### 6 inch



#### 8 inch





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# ARCHITECTURAL DOWNLIGHT 4", 6", 8"

## 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

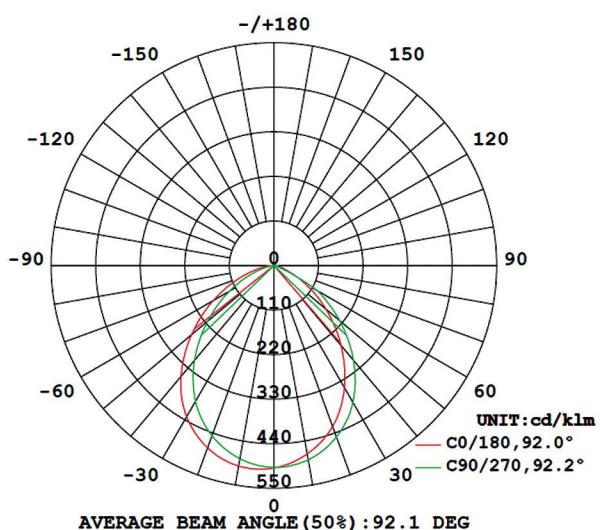
### Notes:

- 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

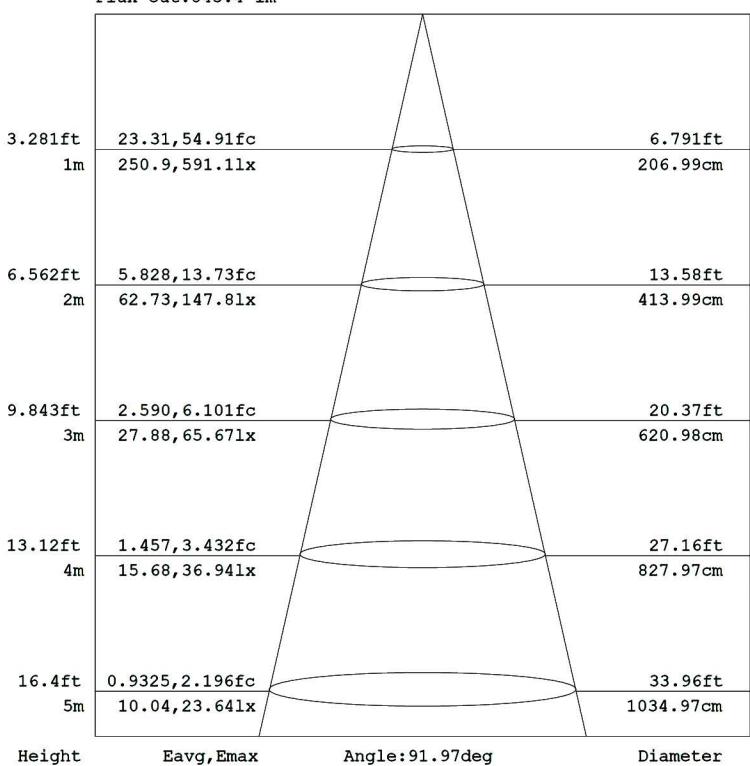
## Photometric Data

### 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.



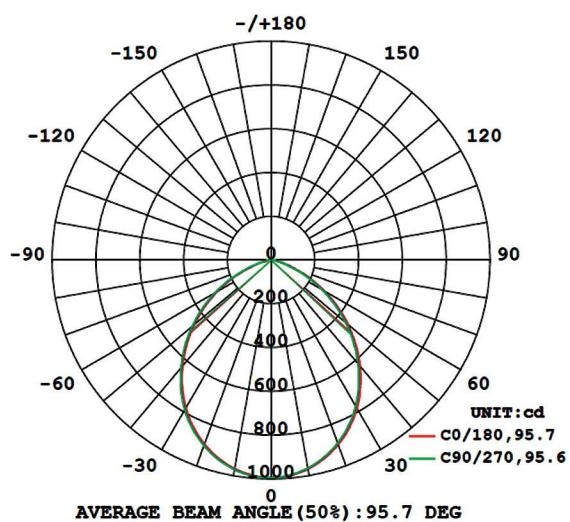
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# ARCHITECTURAL DOWNLIGHT 4", 6", 8"

## Photometric Data

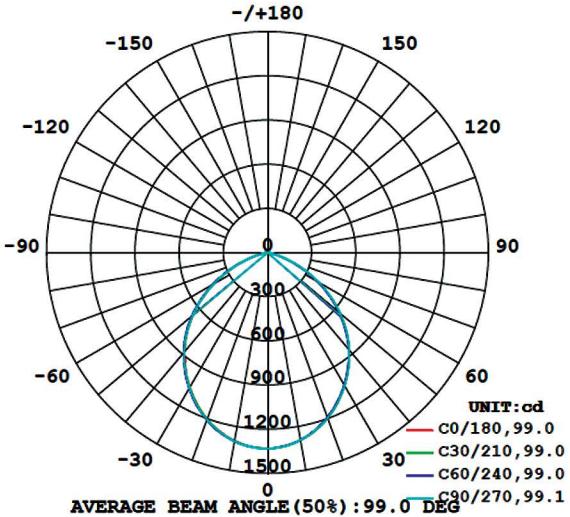
6" light 22W @ 5000K

### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



8" light 30W @ 5000K

### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Flux out:1530 lm

Height	Eavg, Emax	Angle:95.49deg	Diameter
1m	394.9, 995.6lx	220.13cm	
2m	98.72, 248.9lx	440.26cm	
3m	43.88, 110.6lx	660.40cm	
4m	24.68, 62.22lx	880.53cm	
5m	15.80, 39.82lx	1100.66cm	
6m	10.97, 27.65lx	1320.79cm	
7m	8.059, 20.32lx	1540.92cm	
8m	6.170, 15.56lx	1761.06cm	
9m	4.875, 12.29lx	1981.19cm	
10m	3.949, 9.956lx	2201.32cm	

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

Flux out:2194 lm

Height	Eavg, Emax	Angle:98.28deg	Diameter
1m	491.7, 1345lx	231.19cm	
2m	122.9, 336.1lx	462.39cm	
3m	54.63, 149.4lx	693.58cm	
4m	30.73, 84.04lx	924.77cm	
5m	19.67, 53.78lx	1155.97cm	
6m	13.66, 37.35lx	1387.16cm	
7m	10.03, 27.44lx	1618.35cm	
8m	7.683, 21.01lx	1849.54cm	
9m	6.070, 16.60lx	2080.74cm	
10m	4.917, 13.45lx	2311.93cm	

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