

Project:		Date
Type:		
Model#		

## CDL4 LED Architectural

Retrofit Down lights

### PRODUCT DESCRIPTION

The Luminoso 4 inch Commercial LED Downlight is damp rated, and suitable for 100-277V Input equipped with fire-rated Junction box. The CPL delivers high lumen output while maintaining an 85+ CRI. With a lifetime greater than 50,000 hours, the Luminoso CDL is suitable for nearly all commercial downlight applications providing 3000K, 4000K, 5000K color temperature options. It can replace most manufacturers' incandescent, CFL or H.I.D. fixtures with apertures of 4.1" minimum to 4.7" maximum diameter.

### PERFORMANCE SUMMARY

Efficacy: >90 Lm/W
Power: 14W & 27W
Delivered light output: 980 - 1,880 lumens
Chip: CREE COB by Cree True White Technology
CRI: Ra>85
CCT Options: 3000K, 4000K, 5000K
THD: <20%
PF: >0.9
Standard Warranty: 5 Years
Standard Lifetime: Designed for minimum 50,000 hours
Dimming: Standard 0-10V dimming works with most 5-Wire 0-10V dimmers The external driver ensures steady performance and long lifespan
Driver efficiency >87%.
Temperature Rating: Designed to operate in -10°F to 113°F

### REGULATORY & VOLUNTARY QUALIFICATIONS

UL Listed  
Energy Star Listed  
Suitable for damp locations.



#### LED Chip

The Luminoso LED CDL delivers superior quality light output using Cree's Chip on Board technology. LED sources have been LM80 tested and reported from accredited testing laboratories in accordance with IESNA LM-80-2008. Standard color management maintains superior color consistency over time and various climates. CCT classification according with the ANSI C78.377- 2008 standard.

#### Heat Sinks

Luminoso innovative heat sink mounted to tail enables the LEDs to consistently run cooler, providing significant boosts to lifetime, efficacy, and color consistency.

#### Optics

The reflector is made of surface oxidized metal, which effectively enhances the lumen output ratio. Also, the interior surface fish scale design prevents lighting glare, creating an even light effect free from layering.

### ORDER INFORMATION

EXAMPLE: CDL4-19-27W-40K-0-Y-EB



Series	Base	Wattage	CCT	Optics	Voltage	Options
CDL4	19=Whip	14W 27W	30K = 3000K 40K = 4000K 50K = 5000K	0=30°	Y=120-277V	Blank = None EB = Emergency Battery Backup

Enter configuration:

\*\* Special Order / contact vendor

Series / Performance

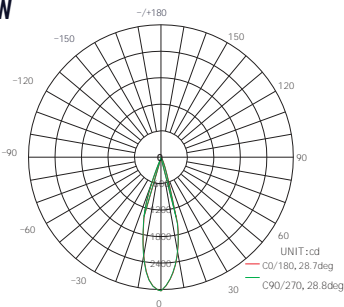
Series No.	CDL4-14W	CDL4-27W
Power	14W	27W
Lumens	980 Lm	1,880 Lm
Efficacy	90 Lm/W	90 Lm/W
CRI	85	85
Input	120-277V AC	120-277V AC

**Photometric:**

Fixture photometry has been conducted in accredited testing laboratory in accordance with IESNA LM-79-08.

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**

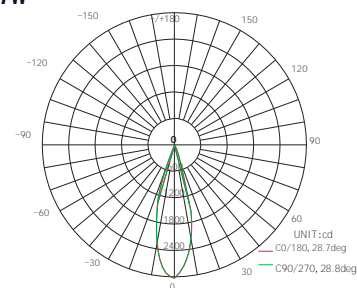
14W



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle(50% Imax):	28.7	29.1	28.8	28.4	28.75
Field Angle (10% Imax):	55.1	55.3	55.1	55.2	55.18

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**

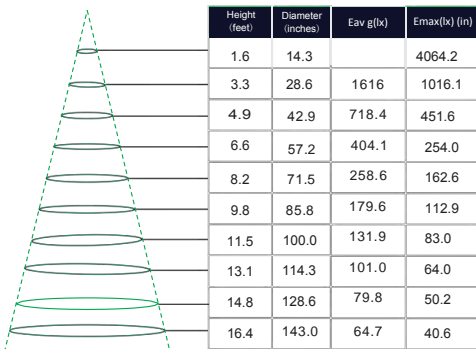
27W



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle(50% Imax):	28.7	29.1	28.8	28.4	28.75
Field Angle (10% Imax):	55.1	55.3	55.1	55.2	55.18

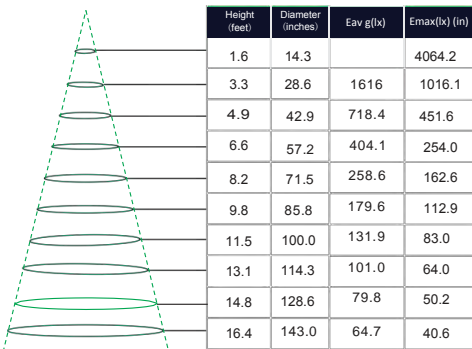
**AVERAGE ILLUMINANCE CURVE**

Angle:39.4°C.Flux out:1354.0lm.



**AVERAGE ILLUMINANCE CURVE**

Angle:39.4°C.Flux out:1354.0lm.



**Recommend Dimmers for DC Models:**

**Leviton cat,Nos:**

AWRMG-7XX AWSMG-7XX

AW SMT-7XX IP710-LFZ/DLX

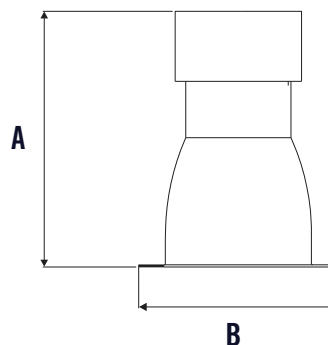
www.leviton.com

**Lutron cat,Nos:**

DIVA-DTV NOVA-NVTV NOVAT-NTFTV

W/PP20

www.lutron.com



**Dimensions**

Item NO:	A	B
CDL4-14W	7.17"	5.59"
CDL4-27W	7.17"	5.59"