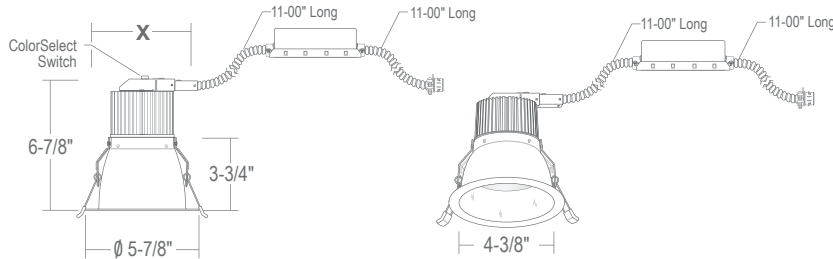
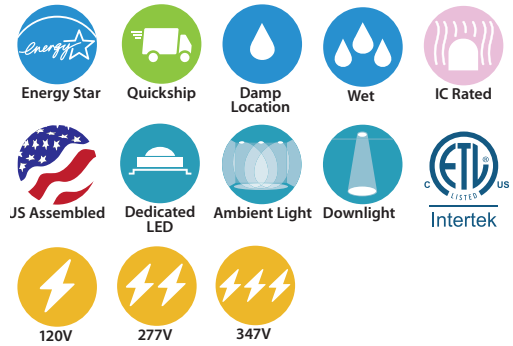


CRTR4L - 4" C-SERIES

LED DOWNLIGHT RETROFIT/REMODEL 1000LM - 3500LM (8W-30W)



Ceiling Cut-Out X: = Min. 5", Max. 5-1/4", Ceiling Thickness: Min. 3/8", Max. 1-1/2" for Retrofit with Spring Clip



- New junction box option for remodels without frames
- Twist and lock reflector for quick access to LED lamp array
- Heavy-duty self-flanged reflector
- No visible screws or hardware

ORDERING : CRTR4L18SWUE-D10-T30

CRTR4L		Reflector Finish		Driver Options		CCT		J-Box	
Fixture/Lumens	Insulation Contact	Reflector Finish		Driver Options ²		CCT		J-Box	
	Insulation Contact								
	Non-IC Blank								
	ICA Rated/ ICA⁵								
	Airtight								
Fixture/Lumens	Insulation Contact	Reflector Finish		Driver Options ²		CCT		J-Box	
1000lm (08W)	CRTR4L08	Satin Haze Reflector/ White Ring	SW	0-10V Dimming	UE-D10	2700K (84 CRI)	-T27	None	Blank
1800lm (18W)	CRTR4L10	White Reflector/ White Ring	WW	UniDim™ 0-10V ELV and Triac Dimming	UE-DUN	3000K (84 CRI)	-T30	Junction Box	-JB
2300lm (22W)	CRTR4L17	All Black	BB	120V ELV and Triac Dimming	-DIN	3500K (84 CRI)	-T35	Junction Box (Chicago Plenum)	-JB-CHP
2700lm (28W)	CRTR4L18	Clear Specular Reflector/White Ring	CW	Lutron HighLume	UE-DHL	4000K (84 CRI)	-T40		
3000lm (28W)	CRTR4L30	All Satin Haze	SS	Lutron EcoSystem	UE-ECO	5000K (84 CRI)	-T50		
3500lm (30W)	CRTR4L31			347V	-347⁶				
				0-10V Dimming (1%)	UE-D10P1				
				Integral 10W	UE-D10-EMA				
				Emergency, 0-10V Dimming					
				DALI Dimming	UE-DLI				

² All drivers are 120V/277V unless otherwise noted.

⁵ (ICA) is only available on CRTR4L08, CRTR4L10 and CRTR4L17.

⁶ (-347) not available for CRTR4L08.

COMPATABILITY

P-CR472

Wall Wash for 4"



SPECIFICATION

Application

Architectural/Commercial-grade recessed lensed LED retrofit/remodel downlight for low to high ceilings with existing open style frame.

Retrofit Mounting

Designed for use with existing 4" Architectural, Incandescent, Fluorescent, and Metal Halide Housings like LITON Brand LV41, and LH400. Supplied with flexible metal conduit for connection to existing electrical junction box. Uses existing frame-in-kits mounting method via clips. Consult factory for special mounting methods.

Use the -JB Junction box option for remodel applications that don't have an existing housing frame or an electrical junction box close by. The retaining spring clips option allows for mounting to wood or gypsum board ceilings without the need of a frame.

Driver

120V/277V AC 50/60Hz Electronic Direct Current Class 2. Input current 0.50 Amps at 115VAC. Power Factor > 0.90. Operating Temperature: -20°C to +50°C / -4°F to +131°F. Accessible from above or below ceiling.

Standard 0-10V works with most 5-wire, 0-10V dimmers. Factory qualified for use with Leviton IP710-DLZ.

(UE-DUN) Uni-Dim™ dimming option is a universal dimming system that works with most 120V, 3-wire ELV, 2-wire incandescent, and 120V/277V, 5-wire, 0-10V fluorescent dimmers.

(-DIN) dimming option smoothly dims down to 5% of initial light output with flicker-free performance. Works with standard 120V incandescent dimmers.

(UE-DHL) Lutron HiLume is a 3-wire driver that provides smooth, continuous 1% dimming for virtually any LED fixture.

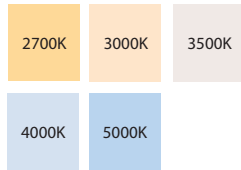
(UE-ECO) Works with Lutron EcoSystem digital controls. Precision microprocessor control and integral thermal management deliver energy savings and extended product life.

(-347) is a 0-10V driver that takes 347V input.

(UE-D10P1) 0-10V dims down to 1% and works with most 120V/277V, 5-wire, 0-10V dimmers.

SPECIFICATION (Continued)

Color Temperature



Available in 2700K, 3000K, 3500K, 4000K and 5000K.

Insulation Contact

Non-IC rated housing must be kept 3" from loose-fill insulation. IC rated option for direct insulation contact.

Power Connection

LED lamp array is replaceable via on board quick disconnect terminal. Meets CA Title 24 requirements and other standards restricting the use of Medium Base or Bi-Pin sockets.

Thermal Management

Heat dissipation facilitated by a large exposed integral aluminum heat sink to maximize heat dissipation in an open-air environment. IC Option thermally engineered to ensure stated L70 LED life without the need for external box. The recommended ambient temperature should be below 35°C to achieve a minimum L70 life of 50,000 hours according to the LM80 standard.

Reflector

Field adjustable twist and lock reflector is easily removable to provide quick access to LED lamp array. Frosted polycarbonate lens pre-installed on reflector unifies diode sources and protects diodes from dust and particles from front of aperture.

Reflector Finish

1-piece, self-flanged, dual reflector LED design enables a clean trim finish without secondary trim ring. Heavy gauge aluminum reflector prevents ugly dents during shipping & installation. Deeply mounted singular LED provides 50° visual cutoff. Available in Satin Haze Reflector/White Finish, White Reflector/White Finish, All Black and Clear Specular Reflector White Ring.

Junction Box

16-gauge pre-wired galvanized steel Junction Box, 26 cubic-inch for a maximum of (8) #12 AWG wires. Furnished with (7) 1/2" knockouts. Strain clamps to install or remove covers for easy access and ground wire. (-CHP) option is Chicago Plenum, air-tight Junction Box.

SPECIFICATION (Continued)

Airflow

IC-Rated/Airtight (ICA) reflector design is designed to restrict air flow from room into plenums in compliance to the WSEC - Washington State Energy Code, (Less than 2.0 CFM -Cubic Feet per Minute).

Certifications and Listings

cETLus listed to UL1598 and UL8750. Suitable for dry, damp and wet locations.
NYC approved: Calendar #41937.

Caution

LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty. (+1KV). Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Warranty

Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship.
Recommended for applications where ambient temperatures do not exceed 35°C, installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

Energy Star Qualified Items

/CR4L17_-T30
/CR4L17_-T35
/CR4L17_-T40

Emergency Options

Emergency LED Battery Back-up available, remotely mounted adjacent to housing by installer. When AC power fails, in the event of a power failure, the device immediately switches to the emergency mode, and operates the existing fixture for 90 minutes. Remote test switch and plate cover included. Optional Generator Transfer Device switches the driver to auxiliary generator power during the loss of normal AC power, (recommended for applications requiring individual circuit switching).

SPECIFICATION (Continued)

Remote Emergency Back Up (-EMAC)

For installation away from the surface of the building in remote hidden location.

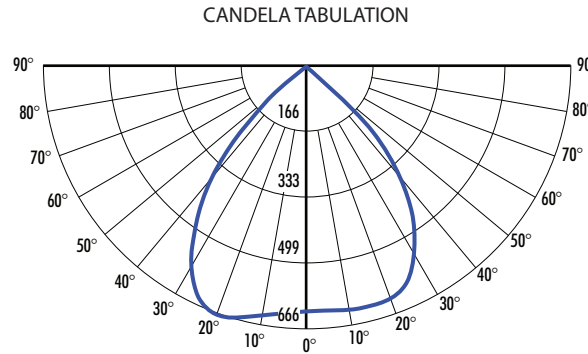
- Hidden Emergency Equipment
- Must be installed in Dry Locations

Not rated for outdoor mounting. Damp location rated.

PHOTOMETRY

CRTR4L08CWUE-D10-T40 (1000lm, 8W, 4000K)

System Power:	11W	MULTIPLIERS	
Test Date:	09/2023	REFLECTOR FINISH	
Beam Angle 50%:	75.6°	CW : 1.00	
Field Angle 10%:	102.4°	SS : 0.90	
Color Temperature:	3916K	SW : 0.88	
CRI:	83.9	WW : 0.66	
Lumens Delivered:	1075	CCT	
CBCP:	665.3	2700K : 1.04	
Power Factor:	0.99	3000K : 1.01	
		3500K : 1.12	
		4000K : 1.00	

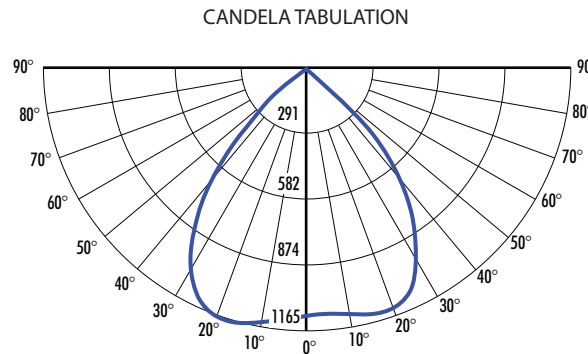


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	12.41'	9.67
10.0'	15.51'	6.19
12.0'	18.62'	4.30
14.0'	21.72'	3.16
16.0'	24.82'	2.42

CRTR4L10CWUE-D10-T40 (1800lm, 18W, 4000K)

System Power:	18W	MULTIPLIERS	
Test Date:	09/2023	REFLECTOR FINISH	
Beam Angle 50%:	76.1°	CW : 1.00	
Field Angle 10%:	103.4°	SS : 0.90	
Color Temperature:	3866K	SW : 0.88	
CRI:	82.6	WW : 0.66	
Lumens Delivered:	1928	CCT	
CBCP:	1164	2700K : 1.04	
Power Factor:	0.99	3000K : 1.01	
		3500K : 1.12	
		4000K : 1.00	

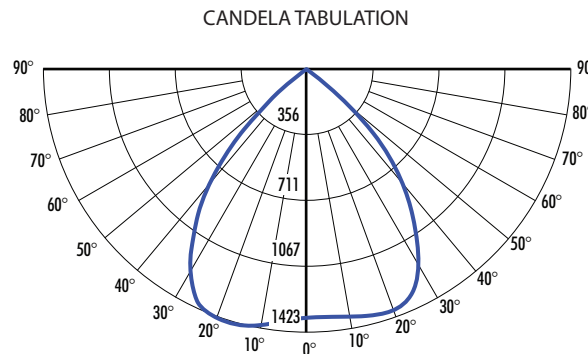


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	12.52'	17.06
10.0'	15.65'	10.92
12.0'	18.78'	7.61
14.0'	21.92'	5.59
16.0'	25.05'	4.28

CRTR4L17CWUE-D10-T40 (2300lm, 22W, 4000K)

System Power:	22W	MULTIPLIERS	
Test Date:	09/2023	REFLECTOR FINISH	
Beam Angle 50%:	76.1°	CW : 1.00	
Field Angle 10%:	103.5°	SS : 0.90	
Color Temperature:	3873K	SW : 0.88	
CRI:	82.4	WW : 0.66	
Lumens Delivered:	2355	CCT	
CBCP:	1421.3	2700K : 1.04	
Power Factor:	0.99	3000K : 1.01	
		3500K : 1.12	
		4000K : 1.00	

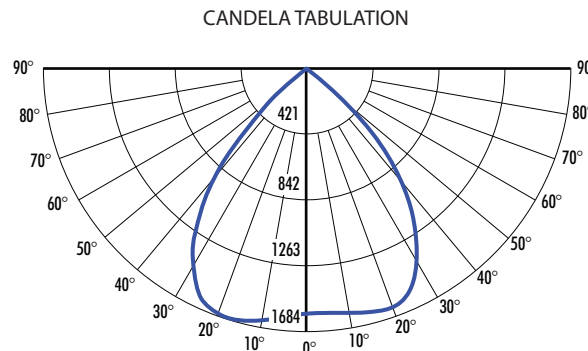


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	12.52'	20.83
10.0'	15.65'	13.33
12.0'	18.78'	9.29
14.0'	21.92'	6.83
16.0'	25.05'	5.23

CRTR4L18CWUE-D10-T40 (2700lm, 28W, 4000K)

System Power:	28W	MULTIPLIERS	
Test Date:	09/2023	REFLECTOR FINISH	
Beam Angle 50%:	78.0°	CW : 1.00	
Field Angle 10%:	104.7°	SS : 0.90	
Color Temperature:	3889K	SW : 0.88	
CRI:	82.3	WW : 0.66	
Lumens Delivered:	2785	CCT	
CBCP:	1682.6	2700K : 1.04	
Power Factor:	0.99	3000K : 1.01	
		3500K : 1.12	
		4000K : 1.00	



FOOTCANDLE DISTRIBUTION

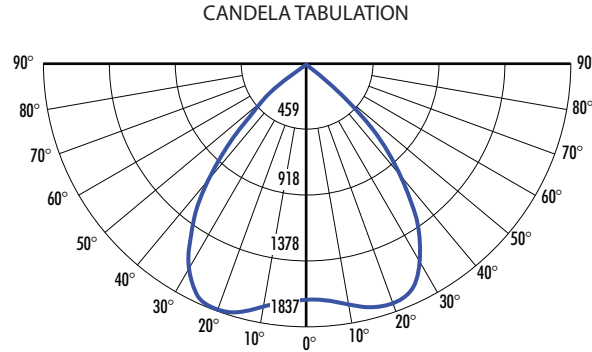
Height	Beam Diameter	FC
8.0'	12.96'	24.66
10.0'	16.20'	15.78
12.0'	19.43'	10.99
14.0'	22.67'	8.08
16.0'	25.91'	6.18

PHOTOMETRY (Continued)

CRTR4L30CWUE-D10-T40 (3000lm, 28W, 4000K)

System Power: 24W
 Test Date: 09/2023
 Beam Angle 50%: 75.8°
 Field Angle 10%: 103.1°
 Color Temperature: 3956K
 CRI: 13.06
 Lumens Delivered: 3039
 CBCP: 1833.7
 Power Factor: 0.99

MULTIPLIERS	
REFLECTOR FINISH	
CW :	1.00
SS :	0.90
SW :	0.88
WW :	0.66
CCT	
2700K :	1.04
3000K :	1.01
3500K :	1.12
4000K :	1.00



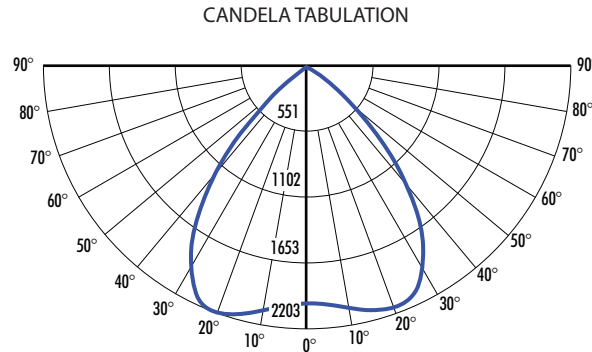
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	11.77'	31.14
10.0'	14.72'	19.93
12.0'	17.66'	13.86
14.0'	20.61'	10.18
16.0'	23.55'	7.80

CRTR4L31CWUE-D10-T40 (3500lm, 30W, 4000K)

System Power: 30W
 Test Date: 09/2023
 Beam Angle 50%: 72.7°
 Field Angle 10%: 101.4°
 Color Temperature: 3866K
 CRI: 82.6
 Lumens Delivered: 3656
 CBCP: 2200
 Power Factor: 0.99

MULTIPLIERS	
REFLECTOR FINISH	
CW :	1.00
SS :	0.90
SW :	0.88
WW :	0.66
CCT	
2700K :	1.04
3000K :	1.01
3500K :	1.12
4000K :	1.00



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	12.52'	17.06
10.0'	15.65'	10.92
12.0'	18.78'	7.61
14.0'	21.92'	5.59
16.0'	25.05'	4.28