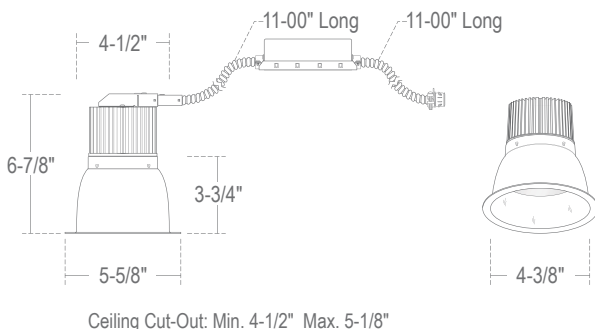


CRTR4L : 4" C-SERIES

LED RETROFIT AMBER - 1100LM-2000LM (10W-30W) - (TURTLE SAFE)



Ceiling Cut-Out: Min. 4-1/2" Max. 5-1/8"



SPECIFICATION

120V/277V

Application: This Turtle Safe Commercial-grade LED recessed downlight retrofit is designed for low to high ceilings with existing open style frame. Lensed fixture.

Retrofit Mounting: :Designed for use with existing 4" Architectural, Incandescent, Fluorescent, and Metal Halide Housings like LITON Brand LVH41 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.

Dimming: Standard 0-10v dimming works with most 5-Wire 0-10V dimmers. Factory qualified for use with Leviton IP710-DLX and Lutron NTFTV-WH.

Driver: 120V/277V AC 50/60Hz Electronic Direct Current Class 2 driver. 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. Consult factory for compatible dimmers. Uni-Dim™ dimming option (-DUN) is a universal dimming system that works with most 3-Wire ELV, 2-Wire Incandescent and 5-Wire 0-10V fluorescent dimmers

Insulation Contact: Non IC rated, must be kept 3" from insulation.

Reflector Construction: One piece self-flanged design enables a clean trim finish, without the need for a secondary trim ring. Heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Provides 50° visual cut-off for springs or clips (not supplied). Impact-Resistant Polycarbonate lens.

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 exposed integral aluminum heat sink to maximize heat rejection in an open air environment. Recommended ambient temperature is below 35°C to achieve a minimum L70 life of 50,000 hours according to LM80 testing.

Warranty: Covered by a 5 year warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperatures above 40°C. Doing so will result in reduced lamp life and voided warranty.

Safety Labels: ETL/cETL listed. Suitable for dry, damp, and wet locations. NYC approved. Calendar #41937

Trim: Frosted Polycarbonate Lens pre-installed on reflector unifies diode sources and protects diodes from dust and particles from front of aperture.

Color Temperature: LED color temperature is verified as 585nm minimum and 595nm maximum.

Label: cETL Listed

Assembled in USA

COMPATIBILITY



P-CR471W

4" WALL WASH
CR6 ACCESSORY



P-CR472

4" COMMERCIAL
WALL WASH ACCESSORY

Note: Wattage limitations on compatible items must be met.

Benefits:

- New Jbox Option for Remodel Installations without Frames
- 590nm AMBER Turtle Safe retrofit
- 0-10V Dimming Standard
- Usually ships 2-3 days
- Smooth diffused illumination. No visible LED's or hot spots.
- Heavy Duty Self-Flanged Reflector
- No Visible Screws or Hardware

Turtle Safe Requirements:

LOW: The product is designed for low to medium ceiling heights and delivered lumen output is sufficient to produce enough foot candles to satisfy building codes but not overpower the environment with excessive lumen output.

SHIELDED: The trim is deeply recessed and provides a minimum of 50° of glare cutoff. The trim reflector color is black to limit reflections. The beam spread is tightly controlled.

LONG: LED color is verified as 585nm minimum and 595nm maximum.

FEATURE:



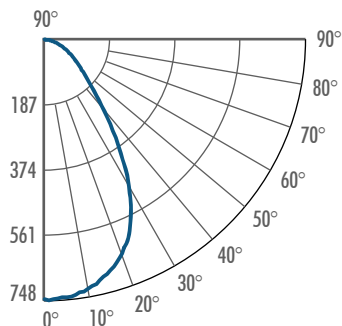
ORDERING EXAMPLE: CRTR4L10BBF-TAM

CRTR4L	WATTAGE/LUMENS	IC OPTION	REFLECTOR FINISH	DIMMING	COLOR TEMPERATURE	JUNCTION BOX
CRTR4L	10 :1000lm (10W)	Blank :Non-IC	BBF :All Black	Blank :0-10V Dimming	-TAM :590nm AMBER	Blank :None
	17 :1700lm (18W)	ICA :ICA Rated		-DUN :UniDim™		-JB :4" Junction Box
	18 :2000lm (30W)					

CRTR4L10SW-T40 - 1100lm - 4000K

System Power	: 10.4W	Multipliers	
Test Date	: 2/2018	Lumens	
Beam Angle 50%	: 69.8°	1800LM	1.72
Field Angle 10%	: 127.4°	1700LM	1.52
Color Temperature	: 4000K	1000LM	1.00
CRI	: 80	CCT	
R9 Value	: 68	4000K	1.00
Lumens Delivered	: 1127lm	3500K	0.99
CBCP	: 745cd	3000K	0.97
Power Factor	: > 0.90		

CANDELA TABULATION



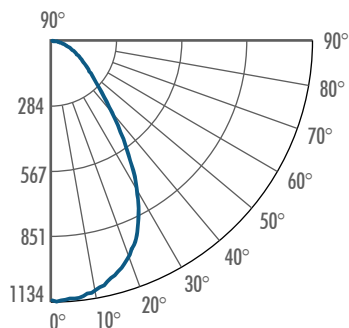
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
6'	8.4'	20.7
8'	11.2'	11.6
10'	14.0'	7.5
12'	16.7'	5.2
14'	19.5'	3.8

CRTR4L17SW-T40 - 1700lm - 4000K

System Power	: 17.5W	Multipliers	
Test Date	: 2/2018	Lumens	
Beam Angle 50%	: 69.8°	1800LM	1.14
Field Angle 10%	: 127.4°	1700LM	1.00
Color Temperature	: 4000K	1000LM	0.66
CRI	: 80	CCT	
R9 Value	: 68	4000K	1.00
Lumens Delivered	: 1709lm	3500K	0.99
CBCP	: 1130cd	3000K	0.97
Power Factor	: > 0.90		

CANDELA TABULATION



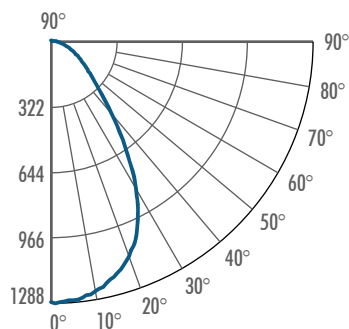
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
4'	5.6'	70.6
8'	11.2'	17.7
12'	16.7'	7.8
16'	22.3'	4.4
20'	27.9'	2.8

CRTR4L18SW-T40 - 2000lm - 4000K

System Power	: 30.6W	Multipliers	
Test Date	: 12/2015	Lumens	
Beam Angle 50%	: 69.8°	1800LM	1.00
Field Angle 10%	: 127.3°	1700LM	0.88
Color Temperature	: 4000K	1000LM	0.58
CRI	: 80	CCT	
R9 Value	: 68	4000K	1.00
Lumens Delivered	: 1942lm	3500K	0.99
CBCP	: 1284cd	3000K	0.97
Power Factor	: > 0.90		

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8'	11.2'	20.1
12'	16.7'	8.9
16'	22.3'	5.0
20'	27.9'	3.2
24'	33.5'	2.2