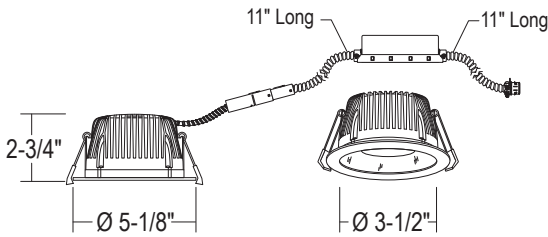


CRTR4SHL : 4" C-SERIES

SUPER LOW GLARE, SHALLOW LED RETROFIT/REMODEL AMBER (TURTLE SAFE)
250LM (12W)



- Deeply recessed lens and 67.5° visual cutoff for reduced glare
- Shallow 2-3/4" depth for ceilings with minimal plenum air-space
- New junction box option for remodels without frames
- Non-conductive dead-front flanged option (-LENS) for wet locations
- True Amber (590nm) Non-PC



Ceiling Cut-out: Min. 4-3/16", Max. 4-1/2"
Ceiling Thickness: Min. 1/4", Max. 2"

ORDERING : CRTR4SHL10BBUE-D10-TAM

CRTR4SHL		Control		Emergency Options		LED		Junction Box	
Fixture/Lumens	Reflector Finish								
Fixture/Lumens		Control¹		Emergency Options		LED		Junction Box	
250lm (12W)	CRTR4SHL10	0-10V Dimming	UE-D10	None	Blank	Amber - Limited	-TAM	None	Blank
		TRIAC/ELV Dimming (120V)	-DIN	10W Emergency Battery	-EM	Wavelength - 590nm		Junction Box	-JB
		0-10V Dimming (347V)	-347-D10	Full Power Emergency Inverter	-EMAC⁴			Junction Box (Chicago Plenum)	-JB-CHP
Reflector Finish		0-10V Dimming with 10W Integral Emergency Battery Backup	UE-D10-EMA³	Full Power Emergency Inverter (347V)	-EMAC347⁴				
All Black	BB²	DMX Dimming with input via XLR5	UE-DMXLR5	GTD Device	-GTD				
		DMX Dimming with input via RJ45	UE-DMXRJ45						

¹ All drivers are 120V/277V unless otherwise noted.
² Extended Lead Time. Consult Factory.
³ UE-D10-EMA is not compatible with -EM or -EMAC or EMAC347 or -GTD.
⁴ Check wiring diagram.

COMPATABILITY

VR800
Outdoor Vandal Resistant Ceiling/Wall Kit



SPECIFICATION

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 LV41, and LH400. Supplied with flexible metal conduit for connection to existing electrical junction box. Uses existing frame-in-kits mounting method via heavy duty tension springs. Consult factory for special mounting methods.

Control

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.

(UE-D10) 0-10V dimming works with most 5-wire, 0-10V dimmers. Factory qualified for use with Leviton IP710-DLZ.

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

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

(UE-D10-EMA) 0-10V with 10W Emergency backup works with most 120V/277V, 5-wire, 0-10V dimmers.

Emergency Options

Emergency LED Battery Back-up available, remotely mounted adjacent to housing by installer. When AC power fails, the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. Remote test switch and plate cover included.

Power Connection

LED lamp 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. The recommended ambient temperature should be below 35°C (95°F) to achieve a minimum L70 life of 50,000 hours according to the LM80 standard.

SPECIFICATION (Continued)

Reflector

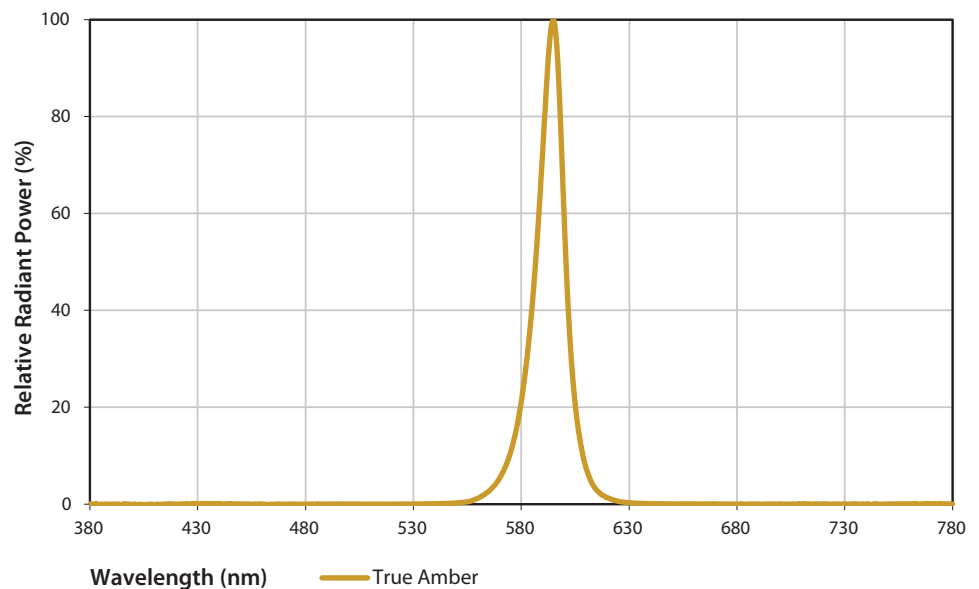
Frosted polycarbonate lens pre-installed on reflector unifies diode sources and protects diodes from dust and particles from front of aperture.

Reflector Finish

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

Color Temperature

Binned with 4-step MacAdam ellipses as per ANSI Standard recommendation.



True Amber - Narrow Band LEDs centered at 590nm with no spectral content below 560nm are supplied.

Non-Conductive Dead-Front Flange

(-LENS60) and (-LENS110) options feature non-conductive dead-front flange for wet locations.

Junction Box

16 gauge pre-wired aluminum Junction Box. 7 cubic-inch for a maximum of (4) #12 AWG wires. (2) 1/2" knock-outs. Remove covers for easy access and ground wire.

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. Conforms to City of Chicago Environmental Air CCEA-200 with Section 18-27-300.22 and special requirements Section 14-20-210C-4. Assembled in USA.

Lamp Equivalents

32W/42W CFL, 2 x 26W CFL.

Caution

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 (95°F). Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

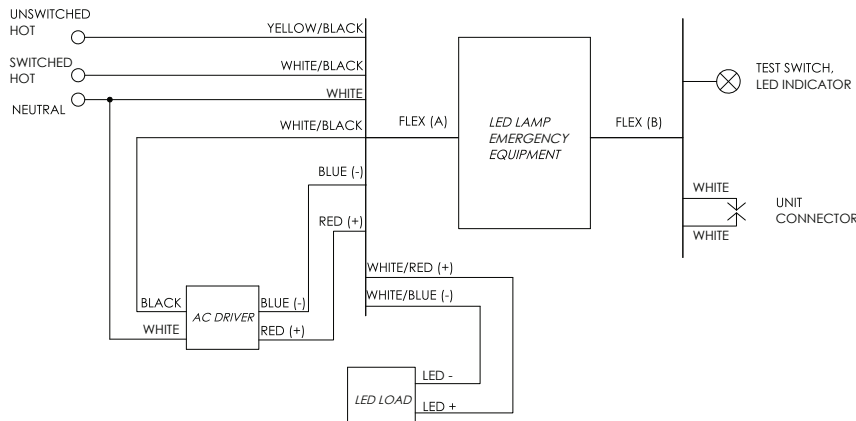
EMERGENCY BATTERY (-EM): 10W

- Must be installed in Dry Locations
- 10W constant output to LED lamp

Not rated for outdoor mounting. Damp location rated.

-EM Lumen Data (Battery)

Fixture/Trim	CRTR4SHL10
Fixture Wattage:	12W
Fixture Lumens:	250
Multiplier:	0.83
EM Lumens:	210



Input Voltage:	120-277VAC/60Hz
Output Voltage:	10W
Wattage:	10W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Self-Diagnostic:	No

SPECIFICATION (Continued)

FULL POWER EMERGENCY INVERTER (-EMAC or -EMAC347): 12W Max.

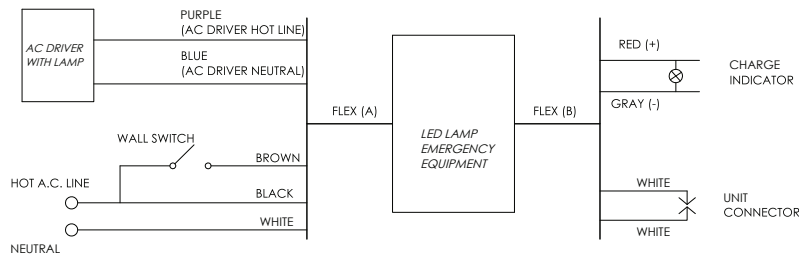
- Must be installed in Dry Locations
- Wattage package will determine battery sent; corresponding wiring diagrams below
- 170 VDC output to AC DRIVER during EM mode

Not rated for outdoor mounting. Damp location rated.

-EMAC Lumen Data (Battery)

Fixture/Trim	CRTR4SHL10
Fixture Wattage:	12W
Fixture Lumens:	250
EM Lumens:	250

<25W LOAD



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	12W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Self-Diagnostic:	No