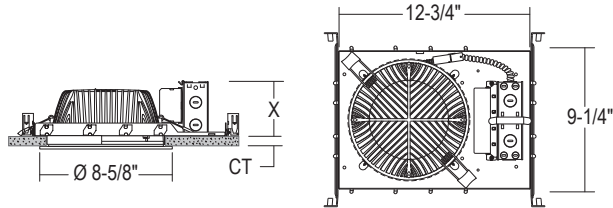


CH8SHL - 8" C-SERIES

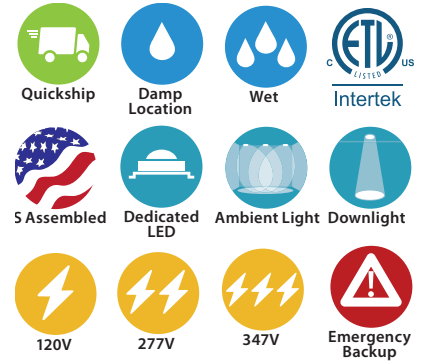
SUPER LOW GLARE, SHALLOW LED NEW CONSTRUCTION
1000LM - 2400LM (10W-30W)



X = 3-7/16" (frame bottom to fixture top)

Ceiling Thickness (CT) = 1-1/2" (Max.)

Ceiling Cut-Out: 7-15/16"



- Deeply recessed lens and 67.5° visual cutoff for reduced glare
- Shallow 3-7/8" depth for ceilings with minimal plenum air-space
- Non-conductive dead-front flanged option (-LENS) for wet locations

ORDERING : CH8SHL10UE-D10/CR8SHL30SW-T30

CH8SHL	Insulation Contact	Driver Options	J-Box	Reflector Finish	CCT	Options
Lumens	Insulation Contact		J-Box		CCT	
	Non-IC Blank		Standard Blank		3000K -T30	
	ICA Rated/ ICA ⁴		Junction Box -CHP		3500K -T35	
	Airtight		(Chicago Plenum)		4000K -T40	
Lumens		Driver Options ¹		Reflector Finish		Options
1000lm (10W) CH8SHL10		Non-Dimming UE		Satin Haze Reflector /CR8SHL30SW		None Blank
1200lm (14W) CH8SHL12		(120V/277V)		/White Finish		Lens for wet locations -LENS60
1700lm (20W) CH8SHL17		0-10V Dimming UE-D10		White Reflector /CR8SHL30WW		w/ 60° Beam Spread
2400lm (30W) CH8SHL24 ⁴		UniDim™ 0-10V ELV and Triac Dimming UE-DUN		/White Finish		Lens for wet locations -LENS110
		Lutron HighLume 120V ELV and Triac Dimming UE-DHL		All Black /CR8SHL30BB ²		w/ 110° Beam Spread
		347V -347		All Satin Haze /CR8SHL30SS ²		
		10W Emergency Back-Up UE-D10-EM				
		25W Emergency Back-Up UE-D10-EMAC ³				

¹ All drivers are 120V/277V unless otherwise noted.

² Extended Lead Time. Consult Factory.

³ EMAC options available. Consult Factory.

⁴ ICA is not available for CH8SHL24.

SPECIFICATION

Application

Architectural/Commercial-grade super-low glare, shallow recessed lensed LED luminaire is for new construction projects where there is minimal plenum air-space in ceiling. Deeply recessed lens provides reduced glare and visual comfort.

Mounting

Housing suitable for new construction installations only, supplied with (2) 24" adjustable hanger bars with 90° repositioning ability. Suitable for wood & metal joist support systems, and also drywall & T-bar ceilings. Hanger bars equipped with nail-less install 3/4" serrated barbed studs and captive nails, for faster and easier secure mounting in wood joists. Set-screws lock into position and prevent shifting after installation. Earthquake structural cable compatible for drop panel ceiling or any other mounting that requires direct support from structural ceilings.

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. (UE-D10) 0-10V dimming 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 3-wire ELV, 2-wire incandescent and 120V/277V 5-wire 0-10V fluorescent dimmers.

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

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

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

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

(UE-D10-EMAC) 0-10V with 25W 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.

Color Temperature

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

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 to achieve a minimum L70 life of 50,000 hours according to the LM80 standard.

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 singular LED provides 50° visual cutoff. Available in Satin Haze Reflector/White Finish, White Reflector/White Finish, All Black, and All Satin Haze.

Non-Conductive Dead-Front Flange

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

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.

Airflow

Airtight 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. Suitable for dry and damp locations with wet location options available. 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

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.