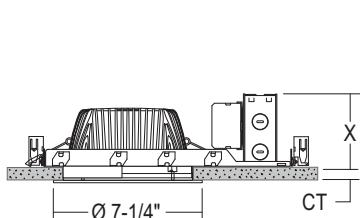


# CH6SHL - 6" C·SERIES

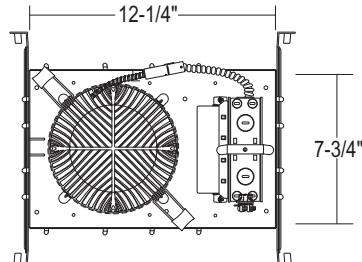
SUPER LOW GLARE - SHALLOW LED NEW CONSTRUCTION  
 1000LM/1200LM/1700LM ( 10W/14W/20W)

- Deeply recessed lens and 65.5° visual cutoff for reduced glare
- Shallow 3-5/8" depth for ceilings with minimal plenum air-space
- Non-conductive dead-front flanged option (-LENS) for wet locations



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

Ceiling Thickness (CT) = 1-1/2" (Max.)  
 Ceiling Cut-Out: 6-1/2"



ORDERING : CH6SHL10UE-D10/CR6SHL24SW-T30

CH6SHL		Lumens		Insulation Contact		Driver Options		J-Box		Reflector Finish		CCT		Options	
Lumens		Insulation Contact		Driver Options		J-Box		J-Box		Reflector Finish		CCT		Options	
		Non-IC	Blank			Standard		Blank				3000K	-TS30		
		ICA Rated/ Airtight	ICA			Junction Box (Chicago Plenum)		-CHP				3500K	-TS35		
												4000K	-TS40		
												ColorSelect	-TS354		
												3000K/3500K/4000K			
Lumens		Driver Options <sup>1</sup>		Reflector Finish		Options									
1000lm (10W)	<b>CH6SHL10</b>	Non-Dimming (120V/277V)	<b>UE</b>	Satin Haze Reflector / White Finish	<b>/CR6SHL24SW</b>	None	<b>Blank</b>								
1200lm (14W)	<b>CH6SHL12</b>	0-10V Dimming	<b>UE-D10</b>	White Reflector /White Finish	<b>/CR6SHL24WW<sup>2</sup></b>	Lens for wet locations w/ 60° Beam Spread	<b>-LENS60</b>								
1700lm (20W)	<b>CH6SHL17</b>	UniDim™ 0-10V ELV and Triac Dimming	<b>UE-DUN</b>	All Black	<b>/CR6SHL24BB<sup>2</sup></b>	Lens for wet locations w/ 110° Beam Spread	<b>-LENS110</b>								
		Lutron HighLume 120V ELV and Triac Dimming	<b>UE-DHL</b>	Clear Specular Reflector / White Ring	<b>/CR6SHL24SS<sup>2</sup></b>										
		347V	<b>-347</b>												
		10W Emergency Back-Up	<b>UE-D10-EM</b>												
		25W Emergency Back-Up	<b>UE-D10-EMAC</b>												

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

<sup>2</sup>Extended lead time. Consult factory.

## 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 degrees 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.

### 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.

### 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. 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).

### Junction Box

16 gauge pre-wired galvanized steel double Junction Box, 64 cubic-inch for a maximum of (8) #12 AWG wires. Furnished with (10) 3/4", (2) 1" and (8) Romex knockouts. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard die-cast aluminum fitting for flex-conduit.

### Insulation Contact

1 16 gauge pre-wired galvanized steel double Junction Box, 64 cubic-inch for a maximum of (8) #12 AWG wires. Furnished with (10) 3/4", (2) 1" and (8) Romex knockouts. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard die-cast aluminum fitting for flex-conduit.

### Caution

LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty. (+1KV)

### 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.

### 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).

### 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 avoided warranty.

### Safety Labels

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

### Lumens

Available in 1000lm (10W), 1200lm (14W) and 1700lm (20W).

### Reflector Finish

Available in Haze Reflector/White Ring, White Reflector/White Ring, All Black and Clear Specular Reflector/ White Ring.

### Color Temperature

Available in 3000K, 3500K, 4000K and ColorSelect 3000K/3500K/4000K.

### Benefits

- Heavy Duty Die-Cast Ring Assembly
- Standard with 0-10V Dimming
- Soft Even Lumen Distribution
- No Visible Screws or Hardware.