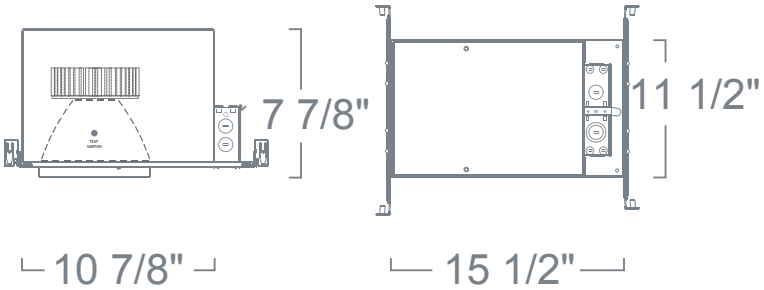
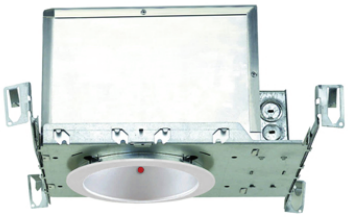
TYPE PROJECT

CATALOG#

CH628EMA-D10 - 6" EMERGENCY DOWNLIGHT - 2200LM

ARCHITECTURAL EMERGENCY FIXTURE





SPECIFICATION

28W LED

Application: Professional-grade recessed LED downlight housing for medium to high ceilings in commercial and architectural spaces.

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 with 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 driver integrally mounted on large access Junction Box. Power Factor > 0.90. Operating Temperature: -20°C to +50°C / -4°F to +131°F. Accessible from above or below ceiling.

Emergency: Emergency LED Battery Back-up integrally mounted inside fixture for unabtrusive design illuminates during normal power to blend in with other AC Only Architectural Luminaires. Upon failure of normal utility power, the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. Level A Sound Rating. Battery Operates @ 0°C to 40°C Ambient (32°F to 104°F). Battery re-charge within 24 hours. The battery is a maintenance-free, environmentally friendly Lithium Iron Phosphate with 50,000 hour life.. A low voltage battery disconnect feature protects the battery from severe damage during prolonged power failures. Self-diagnostic feature monitors LED status, emergency LED driver circuit, battery capacity and charger function and displays any fault detection via test switch.

Transient surge protection device on AC input. (Line-Neutral 1kV, Line & Neutral-Ground 3kV.) Short Circuit/Overload and Over Temperature Protection.

Test Switch: Exposed Illuminated push test switch easily accessible from front of fixture. Blinking LED indicates fixture fault to alert maintanence. Manual testing is available at any time using the push-to-test button.

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 knock-outs. 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.

Reflector Construction: One piece, self-flanged dual-reflector LED 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. Deeply mounted singular LED provides 50 degree visual cutoff for a glare-free appearance.

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: Effective thermal dissipation facilitated by integral cast-aluminum, heat sink design for maximum heat rejection to provide long LED life.

Thermal Temperature: Heat dissipation facilitated by exposed integral aluminum heat sink to maximize heat rejection in an open air environment. Recommended ambient temperature is below 35 degree celsius to achieve minimum L70 life of 50,000 hours according to LM80 standard.

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.

Safety Labels: ETL/cETL listed to UL1598 and UL8750. Suitable for dry, damp and wet locations. NYC approved: Calendar #41937. CCEA Certified: Conforms to CCEA-200 with Section 18-27-300.22 and special requirements Section 14-20-210C-4.

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

Color Temperature: Available in 2700K, 3000K, 3500K and 4000K.

Benefit:
- Illuminated Self-Diagnostic LED test switch
- Ready2Ship - Ships Same Day
- Heavy Duty Self-Flanged Reflector
- Standard with 0-10V Dimming
- 1000Lm delivered during emergency operation
- Soft Even Lumen Distribution
- No Visible Screws or Hardware

2018.03.09

FEATURE: NEW

ORDERING EXAMPLE : CH628EMA-D10/CR6L36EMASW-T35

CH628EMA-D10	HOUSING OPTION	REFLECTOR FINISH	COLOR TEMPERATURE
CH628EMA-D10	**Blank** :None	**/CR6L36EMASW** :Haze Reflector/White Ring	**-T27** :2700K
	-CHP :Chicago Plenum	**/CR6L36EMAWW** :White Reflector/White Ring	**-T30** :3000K
		/CR6L36EMBBF :All Black	**-T35** :3500K
		/CR6L36EMCWF :Clear Specular Reflector /White Ring	**-T40** :4000K