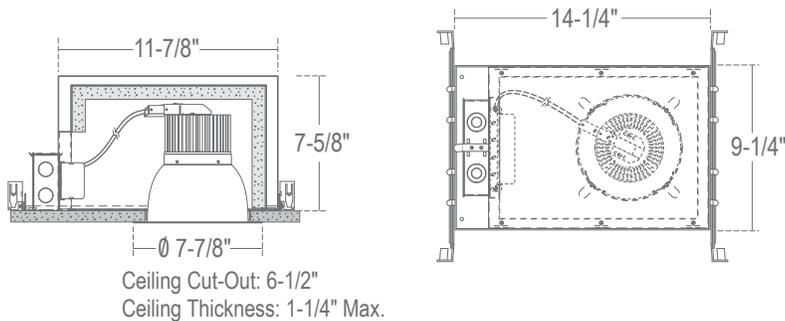


## LHFR628IC - 6" IC FIRE-RATED DOWNLIGHT - 2200LM 6" COMMERCIAL LED DOWNLIGHTING



### SPECIFICATION

LED

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

**Fire Rating:** Stops the progress of an active fire. Meets the fire-stop capabilities of a typical 5/8" gypsum board (drywall) barrier. Eliminates the requirement to specify more expensive fire-rated materials or the use of manually constructed drywall enclosures.

Patented dual-layer housing is constructed of 20-gauge aluminum designed to maintain the continuity of fire-rated ceiling assemblies, subject to UL classified L500 series fire rated assemblies rated for 1 hour.

UL Certifications and Approvals for One-Hour Fire Rating: UL263, CAN/ULC S101-07, ASTM E119-00A, UBC7-1, NFPA 251 an ASI A2.1 under U.S. Patent.

**Mounting:** Housing suitable for new construction installations. Adjusts up to 1-1/4" ceiling thickness. Supplied with (2) 24" adjustable hanger bars with 90 degree repositioning ability. 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. Trim is secured via positive retention friction clips.

**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: -10°C to +80°C. Accessible from above or below ceiling.

**Dimming:** 0-10V dimming option (-D10) works with most 5-Wire 0-10V dimmers. Factory qualified for use with Leviton IP710-DLX, Lutron NTFTV-WH, and UniDim™.

**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 Junction Box, 32 cubic-inch for a maximum of (8) #12 AWG wires. Furnished with (6) 1/2", and (2) 3/4" knock-outs. Strain clamps to install or remove covers for easy access and ground wire.

**Insulation Contact:** IC rated housing rated for direct contact with low to medium density loosefill blown and rolled insulation.

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

**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. Satin Haze reflector/White flange.

**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.

**Lumen Maintenance:** Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

**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.

**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 a voided warranty.

**Safety Labels:** UL/cUL listed to UL1598 and UL8750. Suitable for dry, damp and wet locations. NYC approved: Calendar #41937.

**Driver:** Available in 120V/277V 0-10V Dimming and 120V/277V Triac/ELV 0-10V.

**Reflector Finish:** Available in Haze Reflector/White Ring and White Reflector/White Ring.

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

**Benefit:**

- Ready2Ship - Ships Same Day
- Heavy Duty Self-Flanged Reflector
- Standard with 0-10V Dimming
- Soft Even Lumen Distribution
- IC Rated and Airtight

2019.04.15



ORDERING EXAMPLE : LHFR628ICUE-D10/CR6L36SW-T30

LHFR628IC	DRIVER	HOUSING OPTION	REFLECTOR FINISH	COLOR TEMP
LHFR628IC	UE-D10 :120V/277V 0-10V Dimming	Blank :None	/CR6L36SW :Haze Reflector/White Ring	-T27 :2700K
	UE-DUN :120V/277V Triac/ELV 0-10V	-EM2 :Emergency (10W)*	/CR6L36WW :White Reflector/White Ring	-T30 :3000K
		-GTD :Generator Transfer		-T35 :3500K
				-T40 :4000K

\*Access above ceiling required for EM2.