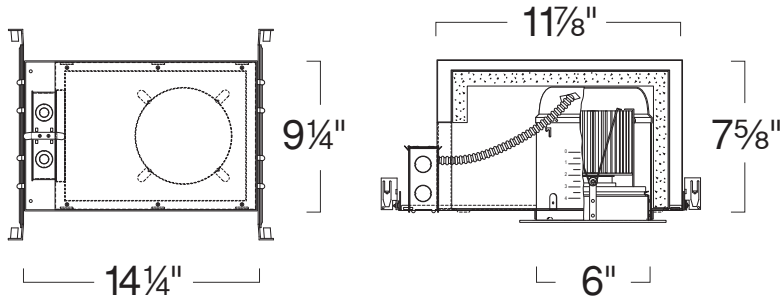


LHFRDL6 - 6" IC FIRE-RATED LED HOUSING (9W/16W)

6" LED HOUSINGS (750/1200 LUMEN SERIES) - 90 CRI



SPECIFICATION

9W/16W LED

Application: This energy efficient General Purpose recessed LED housing is perfect for low to medium height ceilings in residential and light commercial applications. A variety of trim styles, finishes, beam spreads and wattages are available to achieve a desired look and lumen output.

Mounting: Housing suitable for new construction installations. Adjusts up to 1-1/4" ceiling thickness. Supplied with (2) 24" adjustable hanger bars with 90 degrees 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 torsion V-Spring clips.

Power Connection: LED heat sinked lamp module is replaceable via onboard quick exclusionary disconnect terminal. No tools required. Meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets.

Driver: Electronic Direct Current U.L. Listed driver mounted away from LED Array for cool operation and end-of-life modularity. Comes standard with 120VAC input and available with optional 120V/277V universal voltage input.

Dimming: 'DIN' dimming option smoothly dims down to 5% of initial light output with flicker-free performance. Works with standard incandescent dimmers. Factory qualified for use with Lutron brand dimmers: S600PR, DVSCCL-153P & DV600PR as well as Leviton IP106-600W. Works with standard electronic low voltage (ELV) dimmers. Factory qualified for use with Lutron brand dimmers: SELV300P, DVELV-300P, MAELV-600 and NELV-450. 'D10' dimming option works with most 0-10V DC 5-wire 120V or 277V dimming systems and wall box dimmers. 1% Dimming with S-600 Dimmer for 9W only.

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: Energy Efficient LED housing comes standard with IC rating for direct contact with loosefill blown and rolled insulation.

Airflow: Airtight option 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). Complies to Title24 air flow requirements (Air-tight).

COMPATIBILITY

 LRLDH642 6" 700/1200LM DECO FROST LED DOME	 LRLDH649 6" 760/1200LM REGRESSED DECO LED CONE	 LRLDH671 6" 750/1200LM LED WALL WASH/SLOPED
 LRLDH678 6" 750/1200LM ADJUSTABLE LED GIMBAL	 LRLDH621 6" 750/1200LM DEEP LED REFLECTOR	

Note: Wattage limitations on compatible items must be met.

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

Safety Labels: UL/cUL Listed. Suitable for damp locations. NYC approved: Calendar #41937.

Warranty: Covered by a 3 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.

Caution: LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty.

Benefit:

- Patented 3-Stage Fire Resistant Technology
- One-hour minimum fire rating New Construction Housing
- Eliminates manually constructed drywall enclosures saving labor, materials and time.
- IC Rated and Airtight

FEATURE:



ORDERING EXAMPLE : LHFRDL616C35

LHFRDL6	WATTAGE	DRIVER TYPE	OPTIONS
LHFRDL6	09C25 :9W	Blank :120V	Blank :None
	16C35 :16W	-DIN :Incandescent/ELV Dimming	-EM :Emergency Backup (6W)**
		UE :120V/277V*	
		UE-D10 :0-10V Dimming (120V/277V)*	
		UE-DHL :Hilume Dimming (120V/277V)*	
		-347-D10 :0-10V 10% Dimming	

* Not available for 9W option. **Access above ceiling required