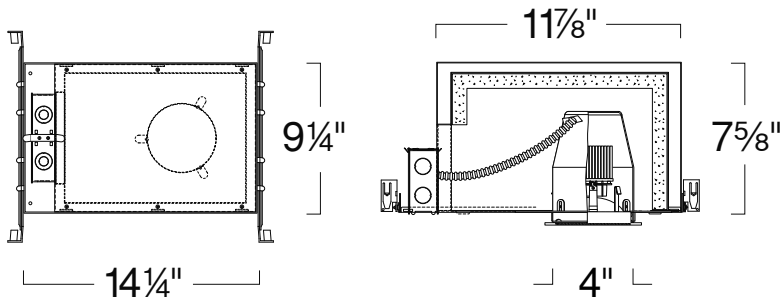


LHFRD49C20 - 4" FIRE-RATED LED HOUSING (700LM/1000LM)

4" LED HOUSING



SPECIFICATION

10W/13W 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 and beam spreads are available to achieve a desired look.

Mounting: Housing suitable for new construction installations. Adjusts up to 1-1/4" ceiling thickness. Supplied with (2) 24" adjustable hanger bars. 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. Trim is secured via positive retention friction 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: Standard dimming option smoothly dims down as low as 10% of initial light output with flicker-free operation works with standard Incandescent dimmers. Factory qualified for use with LUTRON Brand Dimmers: S600PR, DVSCCL-153P & DV600PR as well as Leviton® IP106-600V. Also dims with Electronic Low Voltage dimmers. Factory qualified for use with LUTRON Brand Dimmers: SELV-300P, DVELV-300P, NELV-450 along with 3-Way versions. "UE-DUN" Universal Dimming Option dims with above mentioned dimming controls along with standard 0-10V dimming signals. "0-10V" (120-277V) Dimming Option works with most 5-wire, 0-10V dimmers. Factory qualified for use with Leviton IP710-DLZ.

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).

Fire Rating: Stops the progress of an active fire. Meets the firestop 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.

COMPATIBILITY

LRLD1420 4" ADJUSTABLE SLOT (550LM)	LRLD1419 4" PINHOLE W/ PHENOLIC BAFFLE (500LM)	LRLD1422 4" FROSTED GLASS (480LM)
LRSQD1419 4" SQUARE ADJUSTABLE (700LM/1000LM)	LRLD1431 4" REFLECTOR (700LM/1000LM)	LRLD1493 4" LED METAL BAFFLE (700LM/1000LM)
LRLD1401 4" LENSED LED (625LM/1000LM)	LRLD1471 4" ADJUSTABLE REFLECTOR (700LM)	LRLD1467 4" LED PULL DOWN (700LM)

Note: Wattage limitations on compatible items must be met.

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. STC (Sound Transmission Class), and IIC (Impact Insulation Class) compliant.

LED Details:

10W 700 + Lumens Delivered
Color Rendering Index (CRI): 90
Color Temperature: 3,000K
Lamp Equivalents: 50W MR16

13W 1000 + Lumens Delivered
Color Rendering Index (CRI): 90
Color Temperature: 3,000K
Lamp Equivalents: 75W MR16

Benefit:

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

FEATURE:



ORDERING EXAMPLE : LHFRD49C20

LHFRD49C20	DIMMING	OPTIONS
LHFRD49C20	Blank :120V ELV/Triac Dimming	Blank :None
	UE-DUN :120V-277V 0-10V/ELV/Triac Dimming	-EM :Emergency Backup*
	UE-D10 :120V/277V 0-10V Dimming	

* Above ceiling access required for EM option.