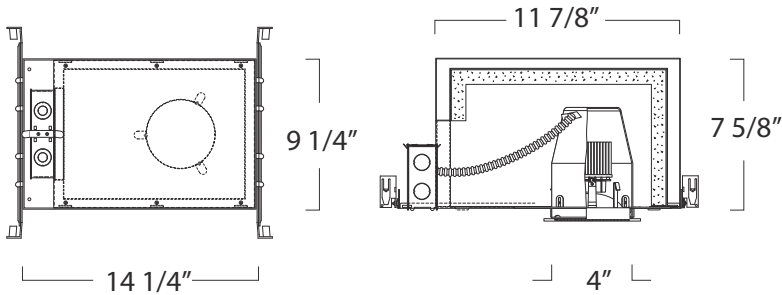


LHFRLD4 - 4" IC FIRE-RATED LED HOUSING (14W) 4" 14W LED LIGHTING (9 LED SERIES)



SPECIFICATION

14W 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: '-DIN' dimming optio 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.

Emergency Option: 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, plate cover and junction box 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

 LRLDH487 ADJUSTABLE GIMBAL	 LRLDH400 4" LOW PROFILE LED TRIM	 LRLDH402 4" BASIC REFLECTOR
 LRLDH493 4" LED BAFFLE	 LRLDH401 4" LENSED LED REFLECTOR	 LRLDH446 4" DECO GLASS-SHIELD (DOME)
 LRLDH460 4" DECO GLASS (CONE)	 LRLDH421 4" DEEP LED REFLECTOR	 LRLDH471 4" WALL WASH REFLECTOR/SLOPED

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.

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

2025.04.16

FEATURE:



ORDERING EXAMPLE : LHFRLD414C35

LHFRLD4	WATTAGE	CONTROL	EMERGENCY OPTIONS
LHFRLD4	14C35 :14W	Blank :120V -DIN :120V ELV/Incandescent Dimming UE :120V/277V Non-Dimming UE-D10 :120V/277V (0-10V Dimming) UE-DHL :Lutron Hi-Lume (120V/277V) -347-D10 :0-10V 10% Dimming (347V) -AWN :Athena Wireless Node (120V) -AWN-OCC :Athena Wireless Node Occupancy Sensor (120V) -SUN-RMT :UniSense - Remotely Mounted Motion/ Photosensor (120V) ² -SUN-RMT-1227 :UniSense - Remotely Mounted Motion/ Photosensor (120V/277V) ² -DCSM :Casambi Wireless Dimming (120V/277V) ¹ -DBNT :BubblyNet Wireless System (120V/277V) ¹ -VIVE :Lutron Vive Wireless Dimming Module (120V/277V) ¹	Blank :None -EM :10W Emergency Battery -EMAC :Full Power Emergency Inverter ³ -EMAC347 :Full Power Emergency Inverter (347V) ³ -GTD :GTD Device

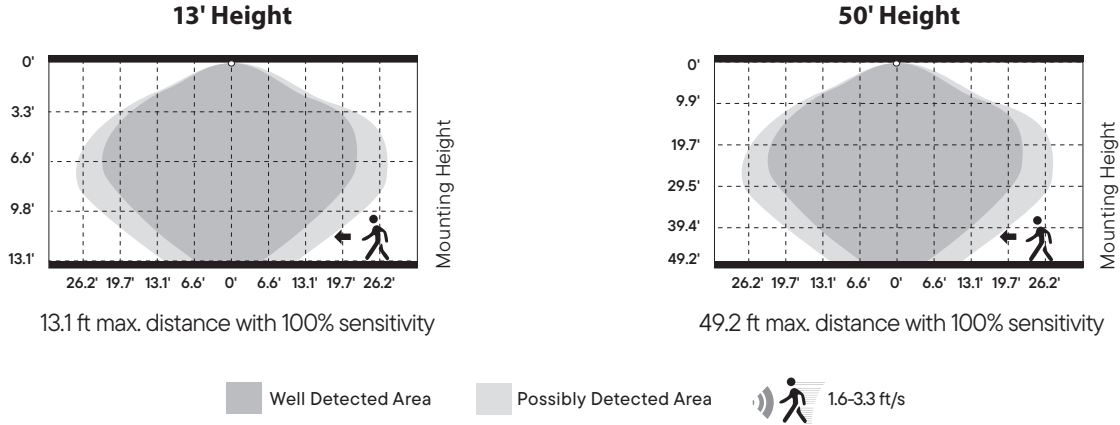
¹ Special Order. ² (-SUN-RMT) sensor sent with mounting clips for existing ceiling applications. ³ Check wiring diagram.



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Unisense™ PROGRAMMABLE MOTION + DAYLIGHT (-SUN-RMT, -SUN-RMT-1227)

- Microwave and PIR (Passive Infrared) sensors depending on option
- Daylight harvesting
- Dusk/dawn sensing capabilities
- Motion Sensor



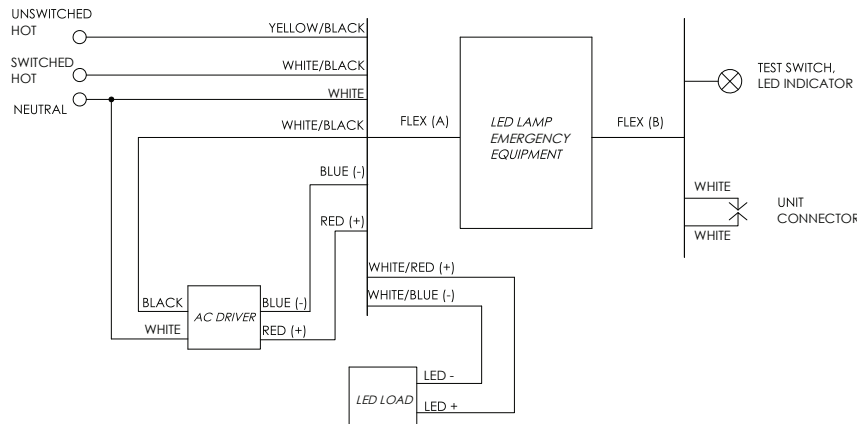
EMERGENCY BATTERY (-EM): 10W

- Must be installed in Dry Locations
- 10W constant output to LED lamp

Not rated for outdoor mounting. Damp location rated.

-EM Lumen Data (Battery)

Fixture/Trim	LHFRLD414C35
Fixture Wattage:	14W
Fixture Lumens:	650
Multiplier:	0.71
EM Lumens:	460



Input Voltage:	120-277VAC/60Hz
Output Voltage:	10W
Wattage:	10W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Self-Diagnostic:	No

LHFRLD4 - 4" IC FIRE-RATED LED HOUSING (14W) 4" 14W LED LIGHTING (9 LED SERIES)

FULL POWER EMERGENCY INVERTER (-EMAC or -EMAC347): 14W Max.

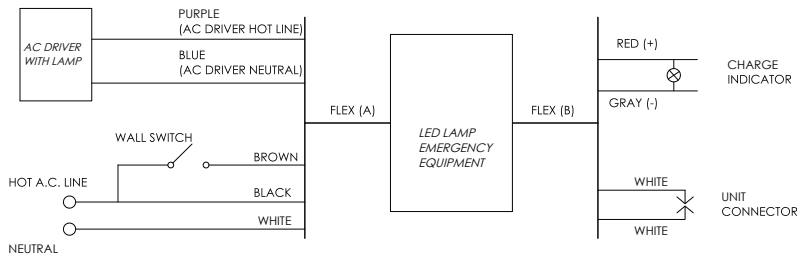
- Must be installed in Dry Locations
- Wattage package will determine battery sent; corresponding wiring diagrams below
- 170 VDC output to AC DRIVER during EM mode

Not rated for outdoor mounting. Damp location rated.

-EMAC Lumen Data (Battery)

Fixture/Trim	LHFRLD414C35
Fixture Wattage:	14W
Fixture Lumens:	650
EM Lumens:	650

<25W LOAD



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	25W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Self-Diagnostic:	No