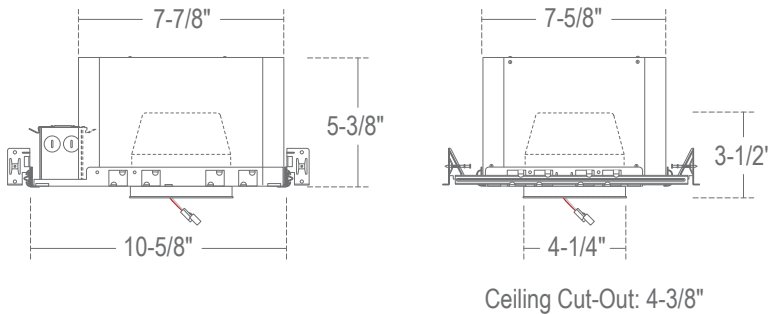
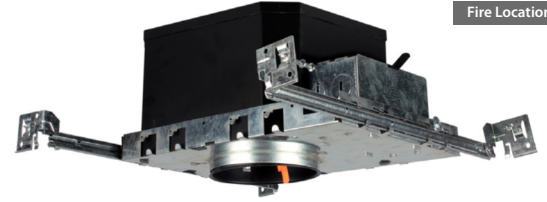


LSHFR99-QC - 4" IC 2HR FIRE-RATED LED HOUSING (SHALLOW)



Ceiling Cut-Out: 4-3/8"



SPECIFICATION

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.

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 L500. UL Certifications and Approvals for Two-Hour Fire Rating: UL263, CAN/ULC S101-07, E119-00A, UBC7-1, NFPA251 and ASI A2.1 under U.S. Patent

Housing: Pre-wired housing adjusts up to a 1 1/4" ceiling thickness. Integral thermal protector to guard against improper lamping and installation. Trim is secured via positive retention friction clips.

Mounting: Housing suitable for new construction installations only, 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.

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.

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 one 1-1/8", one 1/2", three 7/8" knockouts and four Romex pryouts with strain relief. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard fitting for flex-conduit.

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

 LRESQLD402 SQUARE/SQUARE (DIMMABLE)	 LREQLD402 SQUARE REFLECTOR (DIMMABLE)	 LRELD402 REFLECTOR FLAT LENS (DIMMABLE)
 LRELD403 BAFFLE FLAT LENS (DIMMABLE)	 LRELD442 REFLECTOR DOME LENS (DIMMABLE)	 LRELD443 BAFFLE DOME LENS (DIMMABLE)
 LREBLD402 REFLECTOR FLAT LENS (DIMMABLE)	 LRELD400 4" ECONOMY LED LENSED (DIMMABLE)	 LRELD467 ADJUSTABLE PULL DOWN (DIMMABLE)
 LRLD4W-QC 4" LED REFLECTOR	 LRELD488W ADJUSTABLE GIMBAL	 LRELDQ488W ADJUSTABLE SQAURE GIMBAL

Note: Wattage limitations on compatible items must be met.

Safety Labels: ETL/CETL listed. Suitable for damp locations. NYC approved: Calendar #41937.

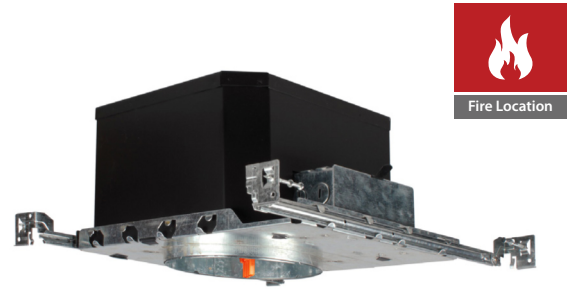
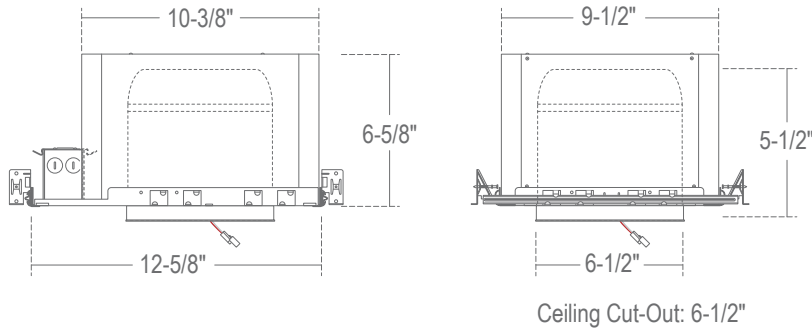
FEATURE:



ORDERING EXAMPLE : LSHFR99-QC

LSHFR99-QC	OPTIONS
LSHFR99-QC	Blank :None
-EM	:Emergency Backup

LSHFR7-QC - 6" IC 2HR FIRE-RATED LED HOUSING (SHALLOW)



SPECIFICATION

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.

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 L500. UL Certifications and Approvals for Two-Hour Fire Rating: UL263, CAN/ULC S101-07, E119-00A, UBC7-1, NFPA251 and ASI A2.1 under U.S. Patent

Mounting: Housing suitable for new construction installations only, 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.

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.

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 one 1-1/8", one 1/2", three 7/8" knockouts and four Romex pryouts with strain relief. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard fitting for flex-conduit.

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

 LREBLDQ5602 5" & 6" SQUARE LED (1100LM)	 LREBLD5602 5" & 6" LED REFLECTOR (1100LM)	 LREBLD5603 6" LED BAFFLE (1200LM)
 LREBLD5678 5" & 6" LED ADJUSTABLE GIMBAL	 LRELD602 6" LED REFLECTOR (1100LM)	 LRELD603 6" LED BAFFLE (1100LM)
 LRELD642 6" LED DOME (1100LM)	 LRELD649 6" LED DECO CONE (650 & 1000 LUMEN)	 LRLD6W-QC 6" 800LM ECONOMY LED BAFFLE

Note: Wattage limitations on compatible items must be met.

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.

FEATURE:



ORDERING EXAMPLE : LSHFR7-QC

LSHFR7-QC

OPTIONS

LSHFR7-QC

Blank :None

-EM :Emergency Backup