

FS-LD4IC-AT-DIMTR

4" LED Fire Shield IC/Non-IC Housing

1 or 2 Hour Fire Rated Luminaire

Catalog Number:

Project Name:

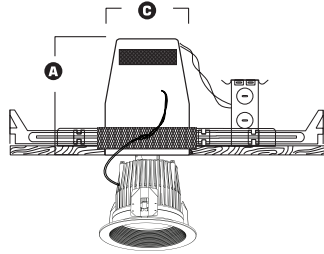
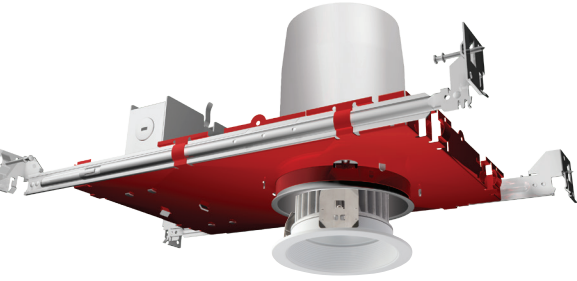
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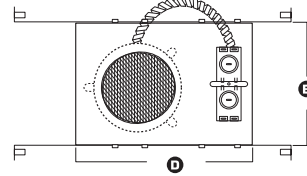
FIRE SHIELD

DESIGNED FOR 2" X 8" JOIST CONSTRUCTION

TO BE USED WITH LED MODULE LIGHTING COMPONENT ONLY



- A** Height = 6-7/8"
- B** Width = 5-1/2"
- C** Cut-out = 4-1/2"
- D** Length = 9-1/4"



IC RATED TO BE USED WITH LED MODULE LIGHTING COMPONENT ONLY

Covered by U.S. Patent Number: **7717390B1** and other patents pending

LED LIGHTING FIXTURE CONFORMS TO **ASTM STD 119**

1-HOUR FIRE RATED
Fire rated floor/ceiling assembly refer to UL Design No. L500 & P500

2-HOUR FIRE RATED
Fire rated floor/ceiling assembly refer to UL Design No. L505

FOR MORE INFORMATION, PLEASE REFER TO THE INSTRUCTION MANUAL

NOTE - Complete system includes FS-LD4IC-AT housing and LED Modules RL400 series trim. RL400 LED Modules trim must be ordered separately.

AVAILABLE MODULE OPTIONS

Fire Shield recessed lighting luminaires are available with a variety of LED modules in different lumen packages, Kelvin temperatures, trim types, and color options. LED modules are available in up to 650L lumen packages and in 27K, 30K, 35K, 40K, and 50K Kelvin temperatures. Available modules include baffle, reflector, downlight, adjustable, wall wash, and shower, in white, black, copper, bronze, satin nickel, chrome, and gold finishes.

HOUSING TYPE				
<input type="checkbox"/> FS-LD4IC-AT-DIM10-120 - 0-10V Dimming Module <input type="checkbox"/> FS-LD4IC-AT-DIMTR-120 - Used For Triac Dimming System <input type="checkbox"/> FS-LD4IC-AT-277 - Used For Non Dimming Module				
TRIM TYPE	650L SERIES	CCT	CRI	FINISH
<input type="checkbox"/> RL430 (BAFFLE) <input type="checkbox"/> RL411 (BAFFLE WALL WASH)	<input type="checkbox"/> 650L-DIM10-120 <input type="checkbox"/> 650L-DIMTR-120 <input type="checkbox"/> 650L-277 (non dimmable)	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K (CRI 85+ ONLY)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> W-WH <input type="checkbox"/> P-WH <input type="checkbox"/> SN-SN <input type="checkbox"/> CP-CP <input type="checkbox"/> BZ-BZ <input type="checkbox"/> P-BK
TRIM TYPE	650L SERIES	CCT	CRI	FINISH
<input type="checkbox"/> RL407 (REFLECTOR) <input type="checkbox"/> RL422 (REFLECTOR WALL WASH)	<input type="checkbox"/> 650L-DIM10-120 <input type="checkbox"/> 650L-DIMTR-120 <input type="checkbox"/> 650L-277 (non dimmable)	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K (CRI 85+ ONLY)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> CL-CH <input type="checkbox"/> W-WH <input type="checkbox"/> CP-CP <input type="checkbox"/> SN-SN <input type="checkbox"/> RG-PB <input type="checkbox"/> MB-WH <input type="checkbox"/> MB-BK
TRIM TYPE	LUMEN SERIES	CCT	CRI	FINISH
<input type="checkbox"/> RL429 (SMART DIMMING)	<input type="checkbox"/> 750L-DIMTR-120	<input type="checkbox"/> 30K-16K	<input type="checkbox"/> 90+	<input type="checkbox"/> W-WH
<input type="checkbox"/> RL428 (REFLECTOR) <input type="checkbox"/> RL431 (BAFFLE)	<input type="checkbox"/> 650L-DIM10-120 <input type="checkbox"/> 650L-DIMTR-120 <input type="checkbox"/> 650L-DIM10-120 <input type="checkbox"/> 650L-DIMTR-120	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 27K <input type="checkbox"/> 30K	<input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 40K	<input type="checkbox"/> 90+ <input type="checkbox"/> 90+
<input type="checkbox"/> RL470 (SURFACE MOUNT) <input type="checkbox"/> RL461 (ROUND ADJUSTABLE) <input type="checkbox"/> RL481 (SQUARE ADJUSTABLE)	<input type="checkbox"/> 650L-DIM10-120 <input type="checkbox"/> 650L-DIMTR-120 <input type="checkbox"/> 650L-DIM10-120 <input type="checkbox"/> 650L-DIMTR-120 <input type="checkbox"/> 650L-DIM10-120 <input type="checkbox"/> 650L-DIMTR-120	<input type="checkbox"/> 30K <input type="checkbox"/> 30K <input type="checkbox"/> 30K	<input type="checkbox"/> 90+ <input type="checkbox"/> 90+	<input type="checkbox"/> WH <input type="checkbox"/> WH <input type="checkbox"/> SN
<input type="checkbox"/> RL403 (EYEBALL)	<input type="checkbox"/> 600L-DIM10-120 <input type="checkbox"/> 600L-DIMTR-120	<input type="checkbox"/> 30K	<input type="checkbox"/> 90+	<input type="checkbox"/> WH



U. S. PATENT PENDING

4" IC housing for use with RL400 LED series LED Module trims. **Our FIRE SHIELD Housing is designed to meet today's One or Two-Hour Fire-Rated IC & Non-IC Codes for high-rise Condominiums, Apartment Buildings, Multi-Family Residences, Hotels, Hospitalities, Assisted Living Homes, Hospitals, Health Care and many more applications.**

FIRE PROTECTION PERFORMANCE

- The luminaire ships assembled with the fire protection material already attached in their working positions
- As the fire intensifies, a protection disk seals off the bottom opening of the housing and stops the fire from passing through the fixture
- The inner assembly reacts strongly to high temperatures (428°F/220°C and above) and swells to a solid dense mass filling the entire luminaire cavity
- Prevents flames and smoke from passing through the light fixture and spreading throughout floor above
- Fire Shield recessed lighting luminaire eliminates the use of subcontractors to build additional boxes around a luminaire to achieve a 1-hour or 2-hour fire rating
- The Fire Shield family of Lighting Luminaires protect the floors above by preventing heat and flames from passing into the ceiling void
- Easier and faster to install than custom-built fireboxes and housings that require hats or additional fire-rated materials

SPECIFICATION

EZ-CONNECT - The FS-LD4IC-AT-DIMTR housing is engineered with a unique 'EZ-connect' wiring system, that when used with the RL400 trim series, with Energy Star and California Title-24 (compliances pending). The unique EZ-connect system also meets other state and national regulatory mandates. LED Module connects effortlessly to housing, virtually eliminating mis-wiring and potential shock hazards.

HOUSING - Powdered-coated steel and galvanized steel for maximum heat dissipation and rust protection. Factory assembled with 1 or 2 hour Fire-rated components. Housing adjusts vertically in plaster frame to accommodate 1/2" to 1-3/8" thick ceiling. Housing is IC rated for direct contact with insulation and can be used in IC and NON-IC applications. May be installed in 2" x 8" joist construction.

CONNECTION - Polarity-specific EZ-connect system engineered to match with Elite LED Module trims. Meets strict code requirements where Edison Base Sockets have been banned.

BAR HANGERS - Pre-installed bar hangers allow housing to be positioned and locked at any point within a 24" joist span. They can be positioned on either the long or short axis of the housing and can be shortened for 12" joists. They contain a double-headed real nail for secure attachment into the joist. Bar hanger nails are installed on a 20° downward angle for better contact, and the 90° pivoting mounting plate makes installation fast and accurate.

JUNCTION BOX - UL Listed for through-branch circuit wiring, provided with four 1/2" knockouts, one 3/4" knockout and four Romex knockouts with true pry-out slots and strain clamps. Designed for straight through conduit runs.

AIR-SHUT ASTM E283

- Gasket to prevent air flow from heated or air conditioned spaces.
- Meets all national air flow requirements.

DIMMING INFORMATION

DIM10 (0-10V Dimming 120V)
DIMTR (Triac Dimming 120V)



Submittal form is available @ www.fireshieldlighting.com
Tel: 323-888-1973 • Fax: 323-888-1977

Specifications and Dimensions subject to change without notice.

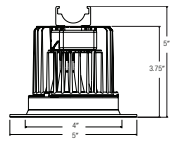
4" RL400 SERIES LED MODULES



LED (Retrofit) Die-cast Aluminum Lensed Stepped Baffle

RL430- **A** - **B** - **C** - **D** - **E**

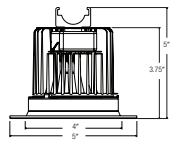
(A) LUMENS	(B) VOLTAGE/DRIVER	(C) CCT	(D) CRI	(E) COLOR	
<input type="checkbox"/> 650L	<input type="checkbox"/> DIM10-120 <input type="checkbox"/> DIMTR-120 <input type="checkbox"/> 277 (non dimmable)	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K	<input type="checkbox"/> 40K <input type="checkbox"/> 50K (85+ CRI ONLY)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> W-WH <input type="checkbox"/> P-BK <input type="checkbox"/> SN-SN <input type="checkbox"/> CP-CP <input type="checkbox"/> BZ-BZ <input type="checkbox"/> P-WH



LED (Retrofit) Die-cast Aluminum Lensed Reflector

RL407- **A** - **B** - **C** - **D** - **E**

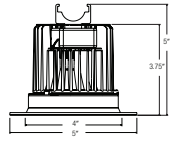
(A) LUMENS	(B) VOLTAGE/DRIVER	(C) CCT	(D) CRI	(E) COLOR	
<input type="checkbox"/> 650L	<input type="checkbox"/> DIM10-120 <input type="checkbox"/> DIMTR-120 <input type="checkbox"/> 277 (non dimmable)	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K	<input type="checkbox"/> 40K <input type="checkbox"/> 50K (85+ CRI ONLY)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> CL-WH <input type="checkbox"/> CL-CH <input type="checkbox"/> W-WH <input type="checkbox"/> SN-SN <input type="checkbox"/> MB-BK <input type="checkbox"/> RG-PB <input type="checkbox"/> CP-CP <input type="checkbox"/> BZ-BZ <input type="checkbox"/> RG-WH <input type="checkbox"/> MB-WH



LED (Retrofit) Die-cast Aluminum Lensed Stepped Baffle Wall Wash

RL411- **A** - **B** - **C** - **D** - **E**

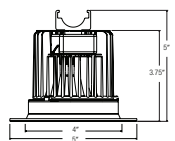
(A) LUMENS	(B) VOLTAGE/DRIVER	(C) CCT	(D) CRI	(E) COLOR	
<input type="checkbox"/> 650L	<input type="checkbox"/> DIM10-120 <input type="checkbox"/> DIMTR-120 <input type="checkbox"/> 277 (non dimmable)	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K	<input type="checkbox"/> 40K <input type="checkbox"/> 50K (85+ CRI ONLY)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> W-W-WH <input type="checkbox"/> P-W-BK <input type="checkbox"/> SN-SN-WH <input type="checkbox"/> MB-BK-WH <input type="checkbox"/> RG-PB-WH <input type="checkbox"/> CP-CP-WH <input type="checkbox"/> BZ-BZ-WH <input type="checkbox"/> P-BK-WH



LED (Retrofit) Die-cast Aluminum Lensed Reflector Wall Wash

RL422- **A** - **B** - **C** - **D** - **E**

(A) LUMENS	(B) VOLTAGE/DRIVER	(C) CCT	(D) CRI	(E) COLOR	
<input type="checkbox"/> 650L	<input type="checkbox"/> DIM10-120 <input type="checkbox"/> DIMTR-120 <input type="checkbox"/> 277 (non dimmable)	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K	<input type="checkbox"/> 40K <input type="checkbox"/> 50K (85+ CRI ONLY)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> CL-W-WH <input type="checkbox"/> CL-CH-WH <input type="checkbox"/> W-W-WH <input type="checkbox"/> SN-SN-WH <input type="checkbox"/> MB-BK-WH <input type="checkbox"/> RG-PB-WH <input type="checkbox"/> CP-CP-WH <input type="checkbox"/> BZ-BZ-WH <input type="checkbox"/> RG-W-WH <input type="checkbox"/> MB-W-WH



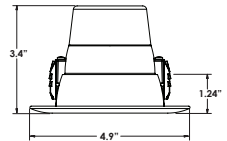
LED (Retrofit) Smart Dimming Die-cast Aluminum Lensed White Reflector



RL429-750L-DIMTR-120- **C** - **D** - **E**

(C) CCT	(D) CRI	(E) COLOR	OPTION
<input type="checkbox"/> 30K-16K	<input type="checkbox"/> 90+	<input type="checkbox"/> W-WH	<input type="checkbox"/> GU25SA - GU24 Socket Adpater

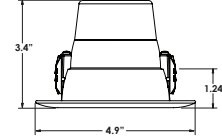
SMART DIMMING offers the brilliance of incandescent dimming all while adhering to the most demanding energy codes today's market. Using SMART DIMMING, you can dim smoothly from 3000K to 1600K.



LED (Retrofit) Die-cast Aluminum Lensed White Reflector

RL428-650L-DIMTR-120- **C** - **D** - **E**

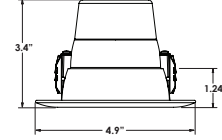
(C) CCT	(D) CRI	(E) COLOR	OPTION
<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K	<input type="checkbox"/> 90+	<input type="checkbox"/> W-WH	<input type="checkbox"/> GU25SA - GU24 Socket Adpater



LED (Retrofit) Die-cast Aluminum Lensed White Reflector

RL431-650L-DIMTR-120- **C** - **D** - **E**

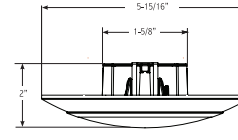
(C) CCT	(D) CRI	(E) COLOR	OPTION
<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 40K	<input type="checkbox"/> 90+	<input type="checkbox"/> W-WH	<input type="checkbox"/> GU25SA - GU24 Socket Adpater



Universal LED Surface Mount Retrofit Module

RL470-650L-DIMTR-120- **C** - **D** - **E**

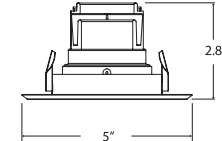
(C) CCT	(D) CRI	(E) COLOR	OPTION
<input type="checkbox"/> 30K	<input type="checkbox"/> 90+	<input type="checkbox"/> WH	<input type="checkbox"/> GU25SA - GU24 Socket Adpater



NEW ADJUSTABLE DESIGN
Round Adjustable LED Retrofit Module

RL461-650L-DIMTR-120- **C** - **D** - **E**

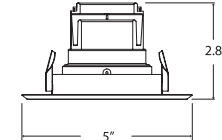
(C) CCT	(D) CRI	(E) COLOR	OPTION
<input type="checkbox"/> 30K	<input type="checkbox"/> 90+	<input type="checkbox"/> WH <input type="checkbox"/> SN	<input type="checkbox"/> GU25SA - GU24 Socket Adpater



NEW ADJUSTABLE DESIGN
Square Adjustable LED Retrofit Module

RL481-650L-DIMTR-120- **C** - **D** - **E**

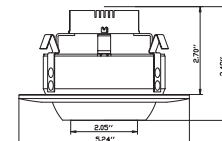
(C) CCT	(D) CRI	(E) COLOR	OPTION
<input type="checkbox"/> 30K	<input type="checkbox"/> 90+	<input type="checkbox"/> WH <input type="checkbox"/> SN	<input type="checkbox"/> GU25SA - GU24 Socket Adpater



Eyeball LED Retrofit Module (12°, 24°, 38° Beam Angle)

RL403-600L-DIMTR-120- **C** - **D** - **E**

(C) CCT	(D) CRI	(E) COLOR	OPTION
<input type="checkbox"/> 30K	<input type="checkbox"/> 90+	<input type="checkbox"/> WH	<input type="checkbox"/> GU25SA - GU24 Socket Adpater



Trim Color Options



PATENT PENDING



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