

1
HOUR RATING



SAFETY AND SAVINGS

FireGuard™ saves money up front

Some localities do not permit hand-constructed drywall boxes necessitating the additional expense of a fire-rated 'over box' such as LITON'S LFB2012. The additional cost may double the expense of an unrated housing, often blowing the project budget. FireGuard™ housings cost less than a standard housing /fire box combination.

FireGuard™ fire- rated housings are easy to install and lower costs by eliminating the need for costly contractor constructed drywall boxes which are inconsistent in build and protection and are often rejected by inspectors.

FIRE RATED RECESSED LED HOUSING

LHFRLD ICA

FIRE GUARD | FOR 2", 3", 4" & 6" RECESSED LIGHTING



FireGuard™ housings have passed rigorous testing by UL laboratories and have earned a One-Hour Fire Rating. FireGuard™ Housings are designed for New Construction applications that require up to a 1-hour fire rating for L500 design plans.

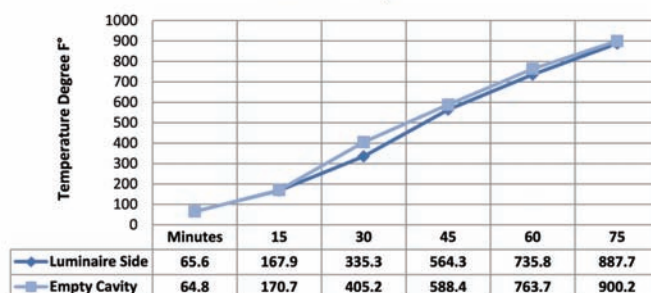
FireGuard™ Patented 3-Stage Fire Protection System

- 1 1" Thick Composite Fiber Thermal Insulation Blanket provides outstanding insulating properties that exceed UL requirements.
- 2 Galvanized Steel Inner Firewall is used in conjunction with the thermal insulation to restore continuity of fire-rated ceiling assemblies in L500 designs.
- 3 Galvanized Steel Outer Firewall is used in addition to the 1st firewall to create an air-gap between the walls that depletes combustible oxygen and provides improved temperature stability and protection to the fire-rated ceiling assembly.

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.

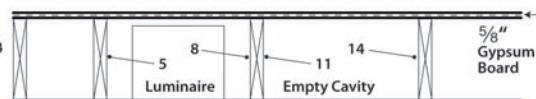
Fire Rating: 1 hr. with 1 layer of 5/8" gypsum board (drywall)

RECESSED LUMINAIRE ASSEMBLY SMALL-SCALE FIRE TEST - 1 HR L500
JOIST TEMPERATURES, F°



Wood Joist Temperature Comparison:
Luminaire Side/Empty Cavity

Thermocouple Test Location:
Luminaire Side = Avg. of 5 - 8
Empty Cavity = Avg. of 11 - 14



Test Furnace - Front View
Thermocouple Location

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1-HOUR FIRE RATED LED HOUSING

LHFRLD Trim Sizes

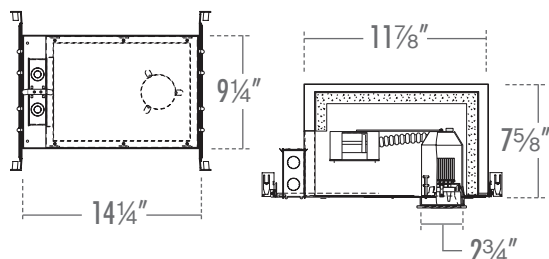
2"

3"

4"

6"

- Patented, Advanced 3-Stage Fire Resistant Technology
- 1-Hr Minimum Rating for New Construction Housing
- Eliminates expensive manually constructed drywall enclosures. Save Labor, Materials and Time.
- FireGuard™ Housing available for 2", 3", 4" & 6" Trims.



2" Fire-Rated LED Housing

CATALOG NUMBER

DRIVER

OPTION

LHFRLD208C35

8W

Blank

120V

-DIN

120V INCANDESCENT/

UE

ELV DIMMING

120V/277V

-EM

EMERGENCY

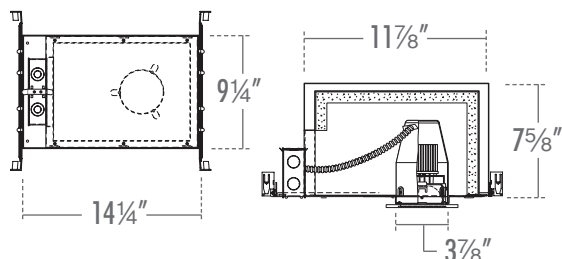
BACK UP (4W)

FireGuard™

HOUSINGS ARE COMPATIBLE
WITH 2" GENERAL PURPOSE
LED TRIMS. SEE PAGE XX

LED Details

- UP TO 550 LUMENS
- 90+ CRI
- SINGLE DIODE LED



3" Fire-Rated LED Housing

CATALOG NUMBER

DRIVER

OPTION

LHFRLD308C35

8W

Blank

120V

-DIN

120V INCANDESCENT/

UE

ELV DIMMING

120V/277V

-EM

EMERGENCY

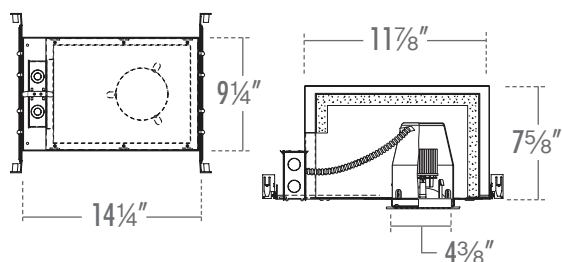
BACK-UP (4W)

FireGuard™

HOUSINGS ARE COMPATIBLE
WITH 3" GENERAL PURPOSE
LED TRIMS. SEE PAGE XX

LED Details

- UP TO 550 LUMENS
- 90+ CRI
- SINGLE DIODE LED



4" Fire-Rated LED Housing

CATALOG NUMBER

DRIVER

OPTION

LHFRLD414C35

14W

Blank

120V

-DIN

120V INCANDESCENT/

UE

ELV DIMMING

UE-D10

0-10V DIMMING

UE-DHL

HI-LUME DIMMING

-EM

EMERGENCY

BACK UP (8W)

-EM2

EMERGENCY

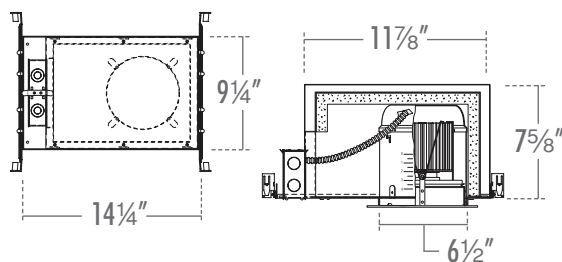
BACK-UP (14W)

FireGuard™

HOUSINGS ARE COMPATIBLE
WITH 4" GENERAL PURPOSE
LED TRIMS. SEE PAGE XX

LED Details

- UP TO 650 LUMENS
- 80+ CRI



6" Fire-Rated LED Housing

CATALOG NUMBER

DRIVER

OPTION

LHFRLD616C35

16W

Blank

120V

-DIN

120V INCANDESCENT/

UE

ELV DIMMING

UE-D10

0-10V DIMMING

UE-DHL

HI-LUME DIMMING

-EM

EMERGENCY

BACK-UP (6W)

FireGuard™

HOUSINGS ARE COMPATIBLE
WITH 6" GENERAL PURPOSE
LED TRIMS. SEE PAGE XX

LED Details

- 16W 1200 Lm
- 9W 750 Lm
- 80 CRI

*-DIN is the only dimming option for 9W housings