

# NFBIC-4LMRATA

## 4" Recessed LED Dedicated Fire Rated Housing - Two Hour Fire & Sound Dampening Rated

Source: 16W max.

(Compatible with Iolite, Cobalt, Marquise, Onyx, Pearl, Opal)

Type

Project

Catalog No.

Notes

### PRODUCT DESCRIPTION

Specification grade fire-rated new construction housing. The double wall fixture incorporates a non-combustible fiber insulation to prevent passage of flames, toxic gases, ignitable gasses into ceiling plenums. cULus listed housing with two-hour fire rated classification. The noncombustible fiber fill also acts as sound deadening material eliminating the transfer of sound between floors. Suitable for commercial, multi-family and residential applications.

### FEATURES

- Weighs 5.2 lbs
- Rated for direct contact with insulation
- cULus classified Two Hour Fire Rating
- 24-1/2" Bar hangers with captive nails & alignment feet
- Accommodates 1-3/4" maximum ceiling thickness

### CONSTRUCTION

**Plaster Frame:** High quality 0.03" steel die cut one piece frame.

**Housing:** Die formed 22 gauge galvanized steel construction. Housing interior is comprised of a flexible non-combustible insulation. Housing accommodates ceiling thickness from 5/8" to 1-3/4".

**Air Flow Restriction:** Housing has factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

**Clearance:** "IC" Insulated ceiling housings are direct contact rated. **Not to be used in direct contact with spray foam insulation.**

**Bar Hangers:** Two 13-3/4" to 24-1/2" adjustable bar hangers with captive nails are included on frame. Bar hangers are parallel to junction box, but can be repositioned 90° perpendicular to junction box if desired. "L" Shaped bar hanger foot to align to bottom of construction joist. A T-Bar notch allow for easy installation in a suspended ceiling.

**Installation:** Classified for use in two hour fire rated L500 Series floor-ceiling designs in the UL Fire Resistance Directory. Mark Spacing, number of luminaires not to exceed the ratio, one per 25sq ft of the total ceiling area, with minimum separation of 3ft between luminaires.

### ELECTRICAL

**Input Voltage:** 120/277V

**Socket:** Quick connect for LED downlight

**Wattage:** 16W max.

**Dimming:** Specified by downlight

### COMPATIBILITY

[NIR-4](#) - Iolite Retrofit Series

[NLCBC-4 / NLCBC2-4](#) - Cobalt Series

[NRMCC-4](#) - Marquise II Series

[NOX-4 / NOXAC-4 / NOXTW-4](#) - Onyx Series

[NPR-4](#) - Pearl Series

**Junction Box:** Prewired 0.03" thick galvanized steel, contains one 3/4" trade size knockout, one 3/8" trade size knockout, three 1/2" trade size knockouts and four Romex pryouts with strain relief and snap on covers. All leads are #18AWG wire, the ground wire is connected to the bottom, and quick connectors are supplied on all leads. Maximum of 6 no. 12 AWG through branch circuit conductors suitable for at least 90°C permitted in junction box.

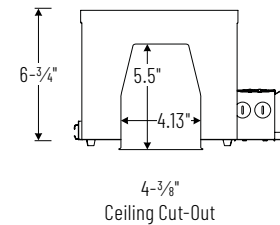
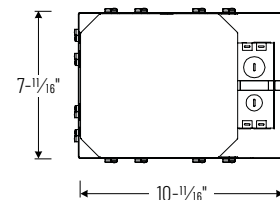
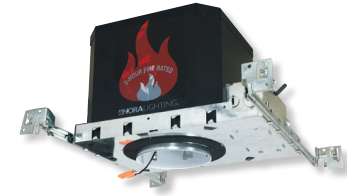
**Quick Connect Feature:** Housing contains three quick connections that allow insertion of 1/4" standard conductors to be inserted into the connector. Connectors are pre-attached to fixture power, common, and ground circuits.

### LABELS AND LISTINGS

- cULus Classified for One and Two Hour Fire Rating
- cULus Listed for Wet Locations (when used with compatible reflectors)
- Certified to the high efficacy requirements of California Title 24 JA8-2019 (when used with compatible downlight)
- Meets or exceeds ASTM E283 Air-Tight requirements
- ANSI/UL 263
- ANSI/UL 1598



### PRODUCT IMAGES & DIMENSIONS



## 4" Recessed LED Dedicated Fire Rated Housing

Catalog No.

**NFBIC-4LMRATA** = 4" LED Dedicated Fire Rated Housing, 120/277V input (120V Triac/ELV dimming)

**NFBIC-4LMRATA/4W** = 4" LED Dedicated Fire Rated Housing, 120/277V input (120V Triac/ELV/0-10V & 277V 0-10V dimming, Cobalt only - LE4 required)

Example: **NFBIC-4LMRATA** = 4" Recessed LED Dedicated Fire Rated Housing , 120V input; Triac/ELV dimming