

# NFBIC-4INCATA

## 4" Recessed Line Voltage Fire Rated Housing - Two Hour Fire & Sound Dampening Rated

Source: 35W max.

(Lamp type varies per trim)

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

- Rated for direct contact with insulation
- cULus classified Two Hour Fire Rating
- cULus listed for wet location and through branch circuit wiring
- 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.

**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.

**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 8 No. 12 AWG through branch circuit conductor suitable for 90°C permitted in 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.

**Thermal Protection:** Standard UL thermal protector rated for 110°C is affixed to inner top surface of housing.

### ELECTRICAL

**Voltage:** 120V

**Socket:** Medium base

**Wattage:** 35W max.

**Lamp Type:** Varies per trim

**Dimming:** Varier per lamp

### COMPATIBLE TRIMS

CATALOG NO.	DESCRIPTION
<a href="#">NS-12</a>	4" Round Adjustable Gimbal
<a href="#">NS-18</a>	4" Round Adjustable Eyeball
<a href="#">NS-40</a>	4" Baffle
<a href="#">NS-40P</a>	4" Phenolic Baffle
<a href="#">NS-41</a>	4" Black Baffle
<a href="#">NS-41P</a>	4" Black Phenolic Baffle
<a href="#">NS-44</a>	4" Clear Reflector
<a href="#">NS-44HZ</a>	4" Haze Reflector
<a href="#">NS-46</a>	4" White Reflector
<a href="#">NS-52</a>	4" Natural Metal Reflector
<a href="#">NS-53</a>	4" Copper Reflector
<a href="#">NS-76</a> 	4" Round Lensless Baffle Shower Trim

### Construction Compatibility:


Classified for use in one-hour or two-hour fire rated constructions. Hanger bars of luminaire nailed or screw-attached to bottom chord of joists/trusses in accordance with the instructions accompanying the luminaire assembly. Minimum fastener penetration into the joists/trusses shall be 3/4 in. The bottom of the fixture shall be installed flush with the back of the gypsum board ceiling. The diameter of the ceiling cutout shall be no larger than the diameter of the fixture opening. Spacing of luminaires not to exceed one per 25 sq ft of ceiling area with min separation of 3 ft between luminaires.

**For use in 2-hour fire rated L500-Series** Floor-Ceiling designs having solid wood joists or open-web wood trusses on max 24 in. centers, wood flooring and gypsum board ceiling: UL Design Nos. L505, L511, L536, L538, L541, L556, L577, M500, M510, M521 and M543.

**For use in 1-hour fire rated L500-Series** Floor-Ceiling designs having solid wood joists or open-web wood trusses on max 16 in. centers, wood flooring and amin 1/2 in. thick gypsum board ceiling.

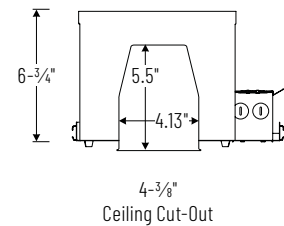
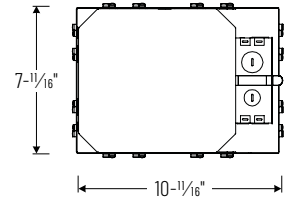
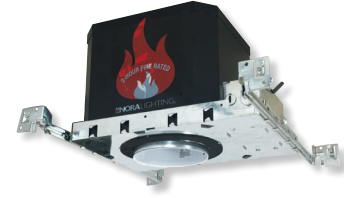
**For use in 1-hour fire rated P500-Series** Roof-Ceiling designs where trusses are spaced greater than 24 in. OC, luminaire to be fitted with hanger bars for securement to framing members or furring channels spaced 24 in. OC max.

### LABELS AND LISTINGS

- cULus Classified for Two Hour Fire Rating
- cULus Listed for Damp Locations w/ Feed Through  Wet Locations when used with designated trims)
- Meets or exceeds ASTM E283 Air-Tight requirements
- ANSI/UL 263
- ANSI/UL 1598



### PRODUCT IMAGES & DIMENSIONS



## 4" Recessed Line Voltage Fire Rated Housing

Catalog No.

NFBIC-4INCATA = 4" Recessed Line Voltage Fire Rated Housing

Example: NFBIC-4INCATA = 4" Recessed Line Voltage Fire Rated Housing