

**NFBIC-5LMRAT**

**5" Recessed LED IC / Non-IC Housing 2 Hour Fire & Sound Dampening Rated** Source: 5" - 650, 1000 Lumen (Varies with Trim)

**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. The cULus listed housing is rated for a minimum of 2 hours protection. 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 2 hour Fire Rating
- cULus listed for damp location and through branch circuit wiring
- cULus Wet Listed (Only designated trims)
- Quick connect provided
- 24-1/2" Bar hangers with captive nails and alignment foot
- Accommodates 1-3/4" maximum ceiling thickness

**CONSTRUCTION**

**Plaster Frame**

High quality 0.03" steel die cut one piece frame.

**Housing**

Die formed 20 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.

**Sound Deadening**

STC tested by a certified acoustical testing lab. STC (Sound Transfer Class) was only change by 1 point when NFBIC housing was installed. Test reports on file.

**Socket Connector**

Quic connect provided for electrical connection to LED compatible trim.

**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, with seven 1/2" knockouts, four Romex® pryouts, 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. Through branch circuit wiring, (4-in, 4-out).

**Quick Connect Feature**

Housing contains three UL approved quick connections that allow insertion of 1/4" stripped solid or tinned standard conductors to be inserted into the connector. Connectors are pre-attached to fixture power, common, and ground circuits.

**Thermal Protector**

Standard UL thermal protector rated for 90°C is affixed to inner top surface of housing.

**Installation**

Number of luminaires not to exceed the ratio, one per 25sq ft of the total ceiling area, with minimum separation of 3ft between luminaires.

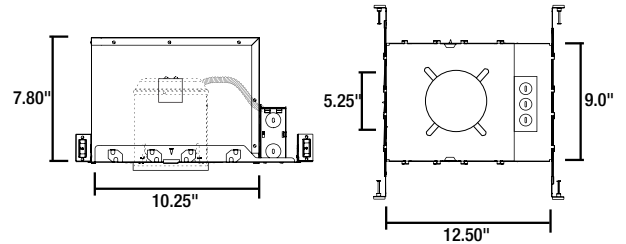
**Labels and Listings**

UL Classified. Two Hour Fire Rating  
 cULus Listed for Damp Location w/ Feed Through  
 cULus Wet Listed (Only with designated trims)  
 Meets or exceeds ASTM-283 Air-Tight Requirements  
 ANSI/UL 263  
 ANSI/UL 1598  
 STC tested for sound transfer.



**DIMENSIONS**

**NFB-5-R**



**LED Options**

Item No.	Description
<b>Cobalt Series</b>	
NLCBC-551	5" Cobalt Series, Reflector
NLCBC-552	5" Cobalt Series, Baffle
<b>Onyx Series</b>	
NOX-5631	5" Onyx Series, Reflector
NOX-5632	5" Onyx Series, Baffle

**5" LED Firebox**

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