

Type
Project
Catalog No.
Lamp/Wattage

**NHIC-4LMRAT**  
**4" IC Air-Tight LED Diamond/Onyx/Cobalt Series**  
**Dedicated New Construction Housing**  
 Source: 11-16.6W LED

**PRODUCT DESCRIPTION**

Dedicated new construction housing for use in insulated ceilings can be in direct contact with thermal insulation. Air-tight construction provides energy savings by reducing the flow of air through the ceiling. The housing is dedicated and labeled for use with Nora Diamond, Cobalt, Onyx series LED fixtures

**FEATURES**

- IC rated for direct contact with insulation
- Quick connect provided for electrical connection to the LED Trim
- ASTM E283 for Air-Tight
- Energy Star Rated
- Exceeds California Title 24 high efficacy requirements
- cULus Listed for Damp Location and Feed Through
- Available with 277V Step-down transformer
- Can be prewired for 0-10V dimming

**CONSTRUCTION**

**Plaster Frame**

High quality 0.040 steel die cut one piece frame.

**Housing**

0.040 aluminum housing with riveted cap adjusts from 3/8" to 7/8". Spring brackets accept torsion wing trim springs; slots on socket plate surface accept standard coil springs.

**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; no minimum clearance is required.

**Bar Hangers**

Two 13-3/4" to 24-1/2" adjustable bar hangers with captive nails are included on frame. Hanger bars have T-Bar slot and alignment feet. 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 25 cubic inch 0.064" thick galvanized steel, with five 1/2", two 3/4" 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).

**Compatible with**

- NLEDC - Diamond Series
- NLCBC - Cobalt Series
- NOX - Onyx Series

**Dimming:**

See compatible Diamond/Onyx/Cobalt for compatible dimmers

**Housing**

**NHIC-4LMRAT:** 4" IC Air Tight Dedicated New Construction Housing

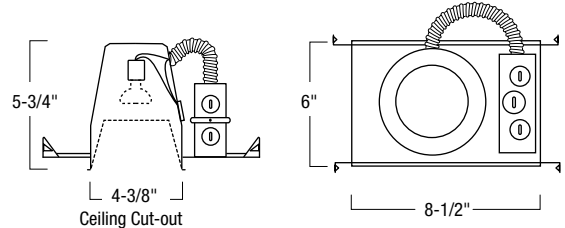
**NHIC-4LMRAT/277:** 4" IC Air Tight Dedicated New Construction Housing include installed 50W step down transformer

**NHIC-4LMRAT/4W:** 4" IC Air Tight Dedicated Housing Pre-wired for 0-10V dimming Cobalt Series

**NHIC-4LMRAT/4WEM:** 4" IC Air Tight Dedicated Housing Pre-wired for Emergency Cobalt Series - Includes EM battery and remote test switch

**NHIC-4LMRAT/6WEM:** 4" IC Air Tight Dedicated Housing Pre-wired for Emergency and 0-10V dimming Cobalt Series - Includes EM battery and remote test switch

**DIMENSIONS** (Revised Smaller Platform July 2016)



Cut-out: 4-3/8"  
 ID: 4"

Housing Length: 8-1/2"  
 Housing Width: 6"  
 Housing Height: 5-3/4"

**Step Down Transformer (Converts 277V input to 120V)**

Optional 50W step down transformer installed into Air Tight New Construction housing (NHIC-4LMRAT/277) (For use with Nora Diamond, Cobalt, and Onyx Series LED Products)

**EMERGENCY**

90-minute battery back up must be ordered separately and installed apart from the housing in an accessible location.

**Labels and Listings**

- Title 24 Compliant
- cULus Listed for Damp Location & Feed Through
- WSEC ASTM E283 for Air-Tight
- Energy Star Rated
- RoHS Compliant

