

Type
Project
Catalog No.
Lamp/Wattage

**NHIC-6LMRAT**  
**6" IC Air-Tight LED Diamond/Onyx/Cobalt/Opal Series**  
**Dedicated New Construction Housing**  
 Source: 11W-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 and Opal series LED fixtures

**FEATURES**

- IC rated for direct contact with insulation
- Quick connect provided for electrical connection to the LED Trim Module
- ASTM E283 for Air-Tight
- Energy Star Rated
- Exceeds California Title 24 high efficacy requirements
- cULus Listed for Damp Location and Feed Through
- cULus Listed for Wet Location and Feed Through (Only with designated trims)
- 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 steel housing adjusts to maximum ceiling thickness of 1-3/4" (45mm). Spring brackets accept torsion wing trim springs.

**Clearance**

"IC" Insulated Ceiling housings are direct contact rated; no minimum clearance is required.

**Mounting**

Two bar hangers are included adjustable to 24-1/2". 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. Insulation may be blown directly onto the surface of the fixture.

**Air Flow Restriction**

Meets ASTM E283 Air-Tight Requirements.

**ELECTRICAL**

**Junction Box**

Plaster frame integrated 15 cubic inch 0.064" thick galvanized steel, with seven 1/2" NPT knockouts, four Romex® pryouts, and snap on covers. Electrical connections are made through junction box wrap. Electrical grounding automatic when feeding with grounded steel EMT pipe or flex. Green wire provided installs with ground wire fed through PVC pipe conduit.

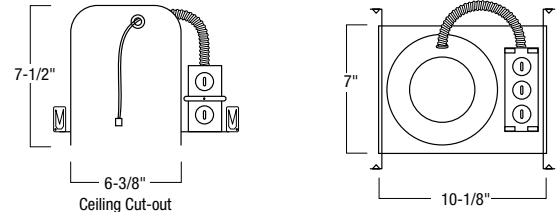
**Compatible with:**

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

**Dimming:**

See compatible Diamond/Onyx/Cobalt/Opal for compatible dimmers

**DIMENSIONS**



Cut-out:	6-3/8"	Housing Length:	10-1/8"
ID:	6"	Housing Width:	7"
OD:	7-1/8"	Housing Height:	7-1/2"

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

Optional 50W step down transformer installed into Air Tight New Construction housing (NHIC-6LMRAT/277) (For use with Nora Diamond, Cobalt, Onyx and Opal Series LED Products)

**EMERGENCY**

90-minute battery is installed on frame and includes remote mounted test switch. For use only with Cobalt EM Series LED Down Lights specified specifically

**Labels and Listings**

- Title 24 Compliant
- cULus Listed for Damp Location & Feed Through
- cULus Listed for Wet Location & Feed Through (Only with designated trims)
- WSEC ASTM E283 for Air-Tight
- Energy Star Rated
- RoHS Compliant



**Housing**

- NHIC-6LMRAT:** 6" IC Air Tight Dedicated New Construction Housing
- NHIC-6LMRAT/277:** 6" IC Air Tight Dedicated New Construction Housing includes installed 50W step down transformer
- NHIC-6LMRAT/4W:** 6" IC Air Tight Dedicated Housing Pre-wired for 0-10V dimming Cobalt Series
- NHIC-6LMRAT/4WEM:** 6" IC Air Tight Dedicated Housing Pre-wired for Emergency Cobalt Series - Includes EM battery and remote test switch
- NHIC-6LMRAT/6WEM:** 6" IC Air Tight Dedicated Housing Pre-wired for Emergency and 0-10V dimming Cobalt Series - Includes EM battery and remote test switch