

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).

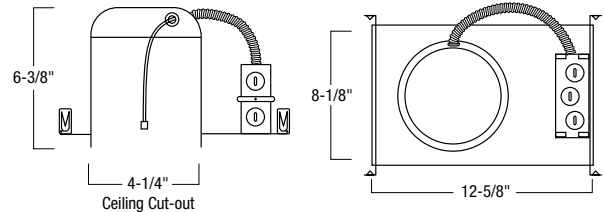
Compatible with

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

Dimming:

See compatible Diamond/Onyx/Cobalt for compatible dimmers

DIMENSIONS



Cut-out: 4-1/4"
 ID: 4"

Housing Length: 12-5/8"
 Housing Width: 8-1/8"
 Housing Height: 6-3/8"

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, Onyx and Opal 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



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