

## NHRIC-27LMRAT

### 6" IC Air-Tight Shallow Dedicated Remodel Housing

Source: 11-16.6W LED

#### PRODUCT DESCRIPTION

Dedicated shallow remodel 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. Each LED Onyx/Cobalt/Opal Series Housing requires a Nora Lighting LED Onyx/Cobalt/Opal Series Trim.

#### FEATURES

- Low 5-1/2" profile for existing shallow ceiling plenums
- IC rated for direct contact with insulation
- No above ceiling access required
- 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
- Dimmable
- Installation-ready for existing sheet rock ceilings
- Accommodates 1-3/8" maximum ceiling thickness

#### CONSTRUCTION

##### Plaster Frame

High quality 0.040 steel die cut one piece frame.

##### Housing

0.040 aluminum adjusts to a maximum ceiling thickness of 1-3/8" (35mm). Housing terminates at 1/4" ceiling flange for even positioning of housing angle within the ceiling. Structural arm consisting of 0.050 structural steel connects housing with junction box. Spring brackets accept torsion wing trim springs; slots on socket plate surface accept standard coil springs.

##### Clearance

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

##### Mounting

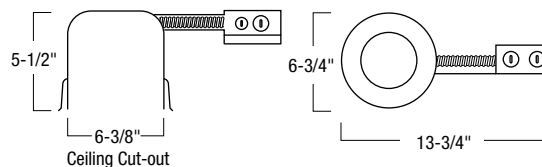
Four high tensions springs secure the housing to an existing sheet rock ceiling. Accommodates ceiling thickness to 1-5/8" (41mm).

##### Air Flow Restriction

Meets ASTM E283 Air-Tight Requirements.

##### Optional Dimming

See compatible Onyx/Cobalt/Opal for compatible dimmers



Cut-out: 6-3/8"  
ID: 6"

Housing Length: 13-3/4"  
Housing Width: 6-3/4"  
Housing Height: 5-1/2"

#### 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.

##### Thermal Protector

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

##### 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.

##### Compatible with:

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

#### Labels and Listings

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



#### Housing

NHRIC-27LMRAT: 6" IC Air Tight Dedicated Shallow Remodel Housing