

Type _____
 Project _____
 Catalog No. _____
 Lamp/Wattage _____

NHIC-6LMRAT
6" IC Air-Tight LED Diamond Series
Dedicated New Construction Housing

Source: 11W-14.3W LED

PRODUCT DESCRIPTION

Dedicated 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 Diamond Series Housing requires a Nora Lighting LED Diamond Series Trim Module.

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)
- Economical 2-wire dimming down to 5%
- Save 75% compared to incandescent sources
- 50,000 hours at 70% lumen maintenance rated life
- No harmful ultra violet light, infrared wavelengths, or light leak
- RoHS Compliant

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". 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.

Thermal Protector

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

LED Trim Module - Ordered Separately

Compatible with self flanged aluminum spun baffle, reflector, or decorative glass trims with deep set diffused lens for excellent visual comfort while providing high lumen output. Available in three color temperatures, 2700K, 3000K and 4000K, to accommodate different appearances.

Compatible LED Trim Module Item Numbers:

NLEDC-661, NLEDC-662, NLEDC-664, NLEDC-667, NLEDC-668, NLEDC-669, NLEDC-671, NLEDC-672, NLEDC-678, NLEDC-681, NLEDC-682, NLEDC-688, NLEDC-691, NLEDC-692, NLEDC-698. (See individual specification sheets for more information.)

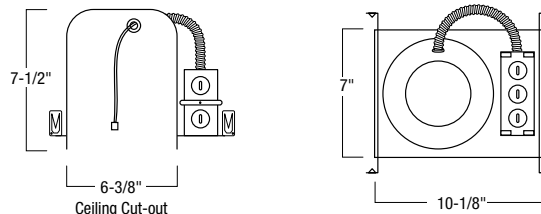
Optional Dimming

Nora's 6" LED Diamond Series works with standard leading and trailing edge dimming technologies. Dimming with leading-edge dimmers are 5-100% and for trailing-edge dimmers 10-100%. Nora's 6" Diamond Series requires minimal power, however it has much higher efficiency and efficacy than other standard lighting fixtures. There may be some cases that require more than one lighting fixture to be used to achieve the minimum dimmer load. This will greatly depend on the particular dimmer used.

Housing

NHIC-6LMRAT: 6" IC Air Tight Dedicated New Construction Housing

DIMENSIONS



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

Compatible Dimmers

Manufacturer	Part #	Type	Compatible with # of Units
Cooper	9530WS-K-L	600W STD	1 or more
Cooper	9534WS-K-L	600W STD	2 or more
Leviton	6633	600W STD	1 or more
Leviton	RPI06	600W STD	1 or more
Lutron	DVELV-300P	300W STD	1 or more
Lutron	DVLV-600P	600W MLV	1 or more
Lutron	TGLV-600PR-WH	600W MLV	1 or more
Lutron	D-600	600W STD	1 or more
Lutron	DVCL-153P	600W STD	1 or more
Lutron	GLV-600-WH	600W STD	1 or more
Lutron	LX-600PL-WH	600W STD	1 or more
Lutron	MAELV-600	600W STD	1 or more
Lutron	S-600	600W STD	1 or more
Lutron	DV-10P	1000W MLV	1 or more
Lutron	GL-1000-WH	1000W STD	1 or more
Lutron	LX-10PL-WH	1000W STD	1 or more
Lutron	MA-1000-WH	1000W STD	1 or more
Lutron	S10P	1000W STD	1 or more
Lutron	S-1000-WH	1000W STD	1 or more

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
- cULus Listed for Wet Location & Feed Through (Only with designated trims)
- WSEC ASTM E283 for Air-Tight
- Energy Star Rated
- RoHS Compliant
- 7 Year Limited Warranty (when used w/ NLEDC-661, 662, 668, 671, 672, 678)
- 5 Year Limited Warranty (when used w/ NLEDC-664, 667, 669, 681, 682, 688, 691, 692, 698)
- Conforms to IESNA LM-79 and LM-80

