

Type
Project
Catalog No.
Lamp/Wattage

NHIC-6LEDAT
6" IC Air-Tight New Construction LED Housing
LED Platinum Series

Source: 14W Max.

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. Each LED Platinum Series housing requires a Nora Lighting LED Platinum Series trim. The LED driver is attached to the housing to allow for easy installation. Integrating Osram® 1.2W LEDs and exceeding Title 24 high efficacy requirements with savings of over 75% when compared with a 65W BR30.

FEATURES

- Rated for direct contact with insulation
- UL listed for wet location and through branch circuit wiring
- Quick connect provided for electrical connection to the LED trim
- ASTM E283 for Air-Tight
- Title 24 Compliant
- Economical 2-wire dimming down to 3%
- 50,000 hours at 70% lumen maintenance rated life
- Modular design: Install housing w/ driver, then finish with the LED trim
- Three year limited warranty

CONSTRUCTION

Plaster Frame

High quality 0.040 steel die cut one piece frame.

Housing

0.040 aluminum housing with riveted cap adjusts to maximum ceiling thickness of 1-5/8" (41mm). 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. 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).

DRIVER

LED Driver

120V AC, 60Hz, Power factor > 0.9 at 120V. Dimmable with most incandescent 2-wire dimmers. Mounted on the junction box for cool operation and easy access. Class II driver.

Thermal Protector

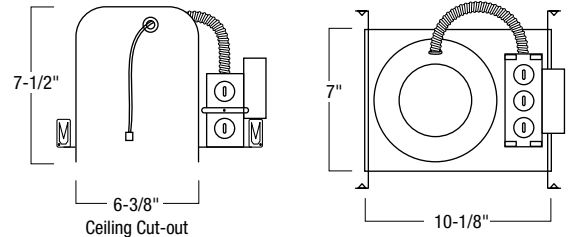
Standard UL thermal protector rated for 90°C is affixed to inner top surface of housing.

Housing

NHIC-6LEDAT: 6" IC Air-Tight LED Housing, 120V LED Driver

NHIC-6LEDAT/EM: 6" IC Air-Tight LED Housing, 120V LED Driver, Emergency Driver w/ Test Plate

DIMENSIONS



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

Housing Length: 10-1/8"
Housing Width: 7"
Housing Height: 7-1/2"

LED Source

12 LEDs at 1.2W each

Trim - Ordered Separately

Self-flanged die-cast trim ring with scientifically designed lens diffuses the LED image while providing high lumen output. Available in two color temperatures, 3000K and 4200K, to accommodate different appearances.

OPTIONAL DIMMING

A variety of incandescent and electronic low voltage dimmers are compatible with Nora's LED trims. Incandescent dimmers have a minimum circuit load of 4 LED Recessed fixtures. Electronic Low Voltage dimmers do not have a minimum load requirement.

Incandescent Dimmer

Lutron MAESTRO (MAW-600)
Lutron DIVA (DV-600P)

Electronic Low Voltage Dimmer

Lutron MAESTRO (MAELV-600)
Lutron DIVA (DVELV-300P)
Lutron SKYLARK (SELV-300P)

EMERGENCY

Emergency back-up operates for a minimum of 90 minutes. Unit includes battery, charger and test plate with indicator light. Emergency driver is for damp locations.

EM - Emergency driver with test plate

Optional Accessories

NRA-28: 27" Flat Bar Hanger

Labels and Listings

UL Listed for Damp Location w/ Feed Through

UL Listed for Wet Location with NTR-6LED

Energy Star Rated

Meets or exceeds ASTM-283 Air-Tight Requirements

Washington State Approved

Title 24 Compliant



LED Trims

NTR-6LED30BW: Black Reflector with White Flange, 3000K

NTR-6LED30PP: Platinum Diffused Reflector with Platinum Diffused Flange, 3000K

NTR-6LED30PW: Platinum Diffused Reflector with White Flange, 3000K

NTR-6LED30PW: White Reflector with White Flange, 3000K

NTR-6LED42BW: Black Reflector with White Flange, 4200K

NTR-6LED42PP: Platinum Diffused Reflector with Platinum Diffused Flange, 4200K

NTR-6LED42PW: Platinum Diffused Reflector with White Flange, 4200K

NTR-6LED42PW: White Reflector with White Flange, 4200K