

NHIC-27LMRAT

6" Shallow IC Air-Tight LED Dedicated New Construction Housing (Compatible with PRISM / Cobalt / Onyx / Opal Series)

PRODUCT DESCRIPTION

Dedicated new construction housing for use in shallow plenum, insulated ceilings can be in direct contact with 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 PRISM, Cobalt, Onyx and Opal series LED fixtures.

FEATURES

- Low 5-1/2" profile shallow housing
- IC rated for direct contact with insulation
- Quick connect provided for electrical connection to the LED reflectors
- ASTM E283 for Air-Tight
- ENERGY STAR[®] certified
- 24-1/2" bar hangers with captive nails and alignment foot

CONSTRUCTION

Plaster Frame: High quality 0.040 steel die cut one piece frame.

Housing: 0.040 aluminum housing with riveted cap adjusts to a maximum ceiling thickness of 1-3/4". Spring brackets accept torsion wing trim springs; slots on socket plate surface accept standard coil springs.

Air Flow Restriction: Meets requirements of Air-Tight (AT) <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

Clearance*: "IC" Insulated ceiling housings are direct contact rated. **Not to be used in direct contact with spray foam insulation.**

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).

COMPATIBILITY

- NLPR - PRISM Series
- NLCBC / NLCBC2 - Cobalt Series
- NOX - Onyx Series
- NLOP / NLOPAC - Opal Series

STEP DOWN TRANSFORMER (Converts 277V input to 120V)

Optional 50W step down transformer installed (NHIC-27LMRAT/277). Through branch circuit wiring is limited to 3-in and 3-out.

ELECTRICAL

Voltage: 120V or 277V, must specify

Operating Temp.: 122°F (50°C) max. ambient temp. (with suitable trims)

Dimming: Triac / ELV, as specified on reflector / housing combination.

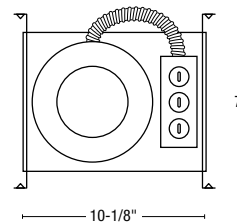
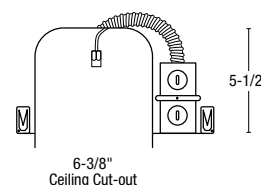
[Click Here](#) or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

LABELS AND LISTINGS

- cULus Listed for Damp location
Suitable for wet location with applicable reflector
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements when used with compatible reflector
- WSEC ASTM E283 for Air-Tight
- RoHS Compliant



PRODUCT IMAGES AND DIMENSIONS



6" Shallow IC Air-Tight LED Dedicated New Construction Housing - Compatible with PRISM / Cobalt / Onyx / Opal Series

Description

NHIC-27LMRAT = 6" IC Air Tight New Construction Housing / 120V Input; Triac/ELV dimming

NHIC-27LMRAT/277 = 6" IC Air Tight New Construction Housing / 277V Input with 50W Step Down Transformer

Example: NHIC-27LMRAT = 6" Shallow IC Air-Tight New Construction Housing, 120V Input; Triac/ELV dimming