

# NHRIC-4LMRAT

4" IC Air-Tight LED Dedicated Remodel Housing  
(Compatible with Iolite / Cobalt / Marquise / Onyx / Pearl)

Type
Project
Catalog No.
Notes

## PRODUCT DESCRIPTION

Dedicated remodel housing for use in 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 LED retrofit luminaires.

## FEATURES

- IC rated for direct contact with insulation
- Quick connect provided for electrical connection to the LED downlight
- ASTM E283 for Air-Tight
- Available with 277V Step-down transformer

## CONSTRUCTION

**Housing:** 0.040 galvanized steel housing terminates at a 1/4" ceiling flange for even positioning of housing angle within the ceiling. Structural arm consists of 0.050 steel and connects to housing with junction box. Integral spring brackets provided.

**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.

**Mounting:** Three high tension tempered steel springs secure the housing to an existing sheet rock ceiling. Accommodates ceiling thicknesses from 5/8" to 3/4".

**Junction Box:** Prewired 15 cubic inch 0.064" thick galvanized steel with six 1/2" trade size knockouts, one 3/4" knockout, 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. Maximum of 6 no. 12 AWG through branch circuit conductors suitable for at least 90°C permitted in junction box.

## ELECTRICAL

**Input Voltage:** 120/277V or 277V (must specify)

**Socket:** Quick connect for LED downlights

**Operating Temperature:** 113°F (45°C) max.

**Dimming:** Specified by downlight

## Step Down Transformer (converts 277V input to 120V):

Optional 50W step down transformer installed (NHRIC-4LMRAT/277).

## COMPATIBILITY

[NIR-4](#) = 4" Iolite Retrofit

[NLCBC-4 / NLCBC2-4](#) = 4" Cobalt Retrofit

[NRM2-4](#) = 4" Marquise II Retrofit

[NOX-4 / NOXAC-4 / NOXTW-4](#) = 4" Onyx Retrofit

[NPR-4](#) = 4" Pearl Retrofit

## EMERGENCY ([NEPK-07LEDUNV](#))

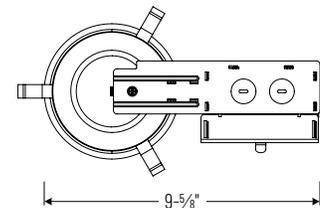
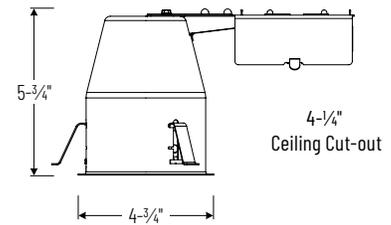
Remote 90-minute battery back-up and remote test switch can be specified and installed separately.

## LABELS AND LISTINGS

- cULus Listed for damp location & feed through (wet location when used with compatible downlight)
- ENERGY STAR certified
- Meets or exceeds ASTM-283 Air-Tight requirements
- Certified to the high efficacy requirements of California Title 24 JA8-2022 (when used with compatible downlight)
- RoHS compliant



## PRODUCT IMAGES & DIMENSIONS



## 4" IC Air-Tight LED Dedicated Remodel Housing

Housing Type

**NHRIC-4LMRAT** = 4" IC Air-Tight Remodel Housing, 120/277V input (120V Triac/ELV dimming)

**NHRIC-4LMRAT/277** = 4" IC Air-Tight Remodel Housing, 277V input with step down transformer

**NHRIC-4LMRAT/4W** = 4" IC Air-Tight Remodel Housing, 120/277V input (120V Triac/ELV/0-10V & 277V 0-10V dimming, Cobalt only - LE4 required)

**NHRIC-4LMRAT/PEM** = 4" IC Air-Tight Remodel Housing with Pre-Wiring for Emergency, 120/277V input (Cobalt only - EM required)

**NHRIC-4LMRAT/6WPEM** = 4" IC Air-Tight Remodel Housing with Pre-Wiring for Emergency, 120/277V input (120V Triac/ELV/0-10V & 277V 0-10V dimming, Cobalt only - LE4EM required)

Example: **NHRIC-4LMRAT** = 4" IC Air-Tight LED Dedicated Remodel Housing, 120/277V input