

NHRIC-5LMRAT

5" IC Air-Tight LED Dedicated Remodel Housing
(Compatible with Cobalt, Marquise, Onyx, and 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 Air-Tight energy saving by reducing the flow of air through the ceiling
- Romex strain relief slots for easy installation
- Quick connect provided for electrical connection to the LED downlights
- Installation-ready for existing sheet rock ceilings

CONSTRUCTION

Housing: 0.040 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 to ASTM 283.

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

Mounting: Four 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 box with six 1/2" trade size knockouts, one 3/4" trade size knockout 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.

Romex Strain Relief: Junction box includes two Romex tabs with two slots at each tab for NM-cables of 12/2 to 14/2. The strain relief allows for easy installation and less materials.

ELECTRICAL

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

Socket: Quick connect for LED downlights

Operating Temperature: 122°F (50°C) max.

Dimming: Specified by downlight

STEP DOWN TRANSFORMER (CONVERTS 277V INPUT TO 120V)

Optional 50W step down transformer installed (NHRIC-5LMRAT/277).

COMPATIBILITY

[NLCBC-569](#): 5" Cobalt Adjustable Downlight

[NLCBC2-5](#): 5" Cobalt Click Downlights

[NOX-56 / NOXAC-56 / NOXTW-56](#): 5" 5/8" Onyx Downlights

[NPR-56](#): 5" 5/8" Pearl Downlights

[NRM3-51](#): 5" Marquise III Reflector

[NRM3-52](#): 5" Marquise III Baffle

EMERGENCY (NEPK-07LEDUNV)

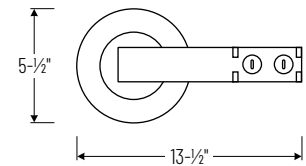
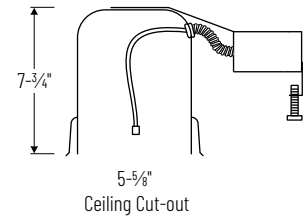
Remote 90-minute battery back-up and remote test switch can be specified and installed separately.

LABELS AND LISTINGS

- cULus Listed for damp location & feed through (wet location when used with compatible downlights)
- Airtight in accordance to ASTM 283
- Certified to the high efficacy requirements of California Title 24 JA8-2022 (when used with compatible downlight)
- RoHS compliant



PRODUCT IMAGES & DIMENSIONS



5" IC Air-Tight LED Dedicated Remodel Housing

Housing Type

NHRIC-5LMRAT = 5" IC Air-Tight Housing, 120/277V input (120V Triac/ELV dimming)

NHRIC-5LMRAT/277 = 5" IC Air-Tight Housing, 277V input with step down transformer

NHRIC-5LMRAT/4W = 5" IC Air-Tight Housing, 120/277V input (120V Triac/ELV/0-10V & 277V 0-10V dimming, Cobalt only - LE4 required)

NHRIC-5LMRAT/PEM = 5" IC Air-Tight Housing with Pre-Wiring for Emergency, 120/277V input (Cobalt only - EM required)

NHRIC-5LMRAT/6WPEN = 5" IC Air-Tight Housing with Pre-Wiring for Emergency, 120/277V input (120V Triac/ELV/0-10V & 277V 0-10V dimming, Cobalt only - LE4EM required)

Example: **NHRIC-5LMRAT** = 5" IC Air-Tight LED Dedicated New Construction Housing, 120/277V input