

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

CONSTRUCTION

Housing: 0.040 steel housing adjusts to a maximum ceiling thickness of 1-5/8" (41mm). 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: Four high tension tempered steel springs secure remodel housing to 1-1/2" thick (max.) ceiling (Hole cutout template provided for convenience)

Junction Box: Prewired 15 cubic inch 0.064" thick galvanized steel with six 1/2" trade size knockouts, one 3/4" trade size 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 luminaires

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

Dimming: Specified by luminaire

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

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

COMPATIBILITY

[NLCBC-5 / NLCBC2-5](#) = 5" Cobalt Downlights

[NRM2-5](#) = 5" Marquise II Series

[NOX-56 / NOXAC-56 / NOXTW-56](#) = 5" 6" Onyx Downlights

[NPR-56RND](#) = 5" 6" Pearl Downlight

EMERGENCY (NEPK-07LEDUNV)

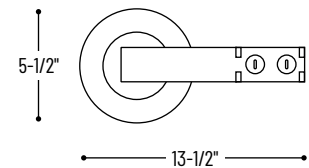
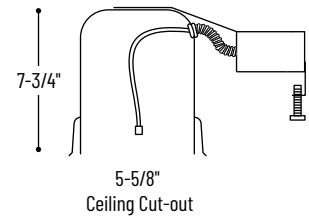
Remote 90-minute battery back-up and remote test switch can be specified and installed separately.

LABELS AND LISTINGS

- cULus Listed for damp location & feed through (wet location when used with compatible downlights)
- WSEC ASTM E283 for Air-Tight
- RoHS Compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2019



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