

# NHRIC-27LMRAT

6" Shallow IC Air-Tight LED Dedicated Remodel Housing  
(Compatible with Cobalt, Onyx and Pearl)

Type
Project
Catalog No.
Notes

## PRODUCT DESCRIPTION

Shallow remodel 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 LED retrofit luminaires.

## FEATURES

- Low 5-1/2" profile for existing shallow plenums
- IC rated housing for direct contact with insulation
- Rated for direct contact with insulation
- cULus listed for damp location and through branch circuit wiring
- Installation-ready for existing sheet rock ceilings

## CONSTRUCTION

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

**Housing:** 0.040 aluminum housing adjusts to a maximum ceiling thickness of 1". Housing terminates at 1/4" ceiling flange for even positioning of housing angle with the ceiling. Structural arm consisting of 0.050 structural steel connects housing with junction box. 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.

**Mounting:** Four high tension tempered steel springs secure remodel housing to 1-5/8" thick (max.) ceiling (Hole cutout template provided for convenience)

**Junction Box:** Prewired 15 cubic inch 0.064" thick galvanized steel with four 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

**Socket:** Quick connect for LED luminaires

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

**Dimming:** Specified by luminaire

## COMPATIBILITY

[NLCBC-6 / NLCBC2-6](#) = 6" Cobalt Downlights

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

[NOX-636](#) = 6" Onyx Square Reflector

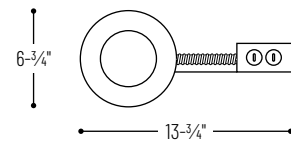
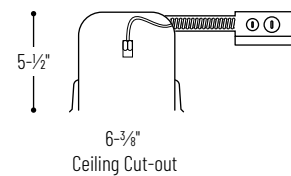
[NPR-56RND](#) = 5"6" Pearl Downlight

## LABELS AND LISTINGS

- cULus Listed for Damp Location (wet location when used with compatible reflectors)
- Meets or exceeds ASTM-283 Air-Tight requirements
- Certified to the high efficacy requirements of California Title 24 JA8-2019
- RoHS compliant



## PRODUCT IMAGES & DIMENSIONS



## 6" Shallow IC Air-Tight LED Dedicated Remodel Housing

Housing Type

**NHRIC-27LMRAT** = 6" Shallow IC Air-Tight Remodel Housing, 120/277V input (120V Triac/ELV dimming)

Example: **NHRIC-27LMRAT** = 6" Shallow IC Air-Tight LED Dedicated Remodel Housing, 120/277V input