

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

Housing: 0.040 aluminum 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 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 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 downlights

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

Dimming: Specified by downlight

COMPATIBILITY

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

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

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

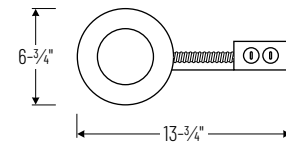
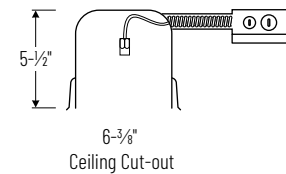
[NPR-56RND](#) = 5'6" Pearl Downlight

LABELS AND LISTINGS

- cULus Listed for Damp Location (wet location when used with compatible reflectors)
- 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 downlights)
- 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