NHRIC-527LMRAT

5" Shallow IC Airtight 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.* Airtight 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 5-⅞" profile for shallow ceiling plenums
- IC Airtight energy saving by reducing the flow of air through the ceiling
- 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 ¼" ceiling flange for even positioning of housing angle within the ceiling. Structural arm consisting of 0.050 structural steel connects housing with junction box. Fixture may be installed in areas where it will have direct contact with thermal insulation.

Air Flow Restriction: Housing has factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance to ASTM E283.

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 ⅝" to ¾".

Junction Box: Prewired 15 cubic inch 0.064" thick galvanized steel with six ½" trade size knockouts, one ¾" 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.

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
Socket: Quick connect for LED luminaires
Operating Temperature: 122°F (50°C) max.
Dimming: Specified by luminaire

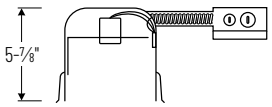
COMPATIBILITY

NLCBC-569: 5" Cobalt Adjustable Downlight
NLCBC2-5: 5" Cobalt Click Downlights
NOX-56 / NOXAC-56 / NOXTW-56: 5"/6" Onyx Downlights
NPR-56: 5"/6" Pearl Downlights

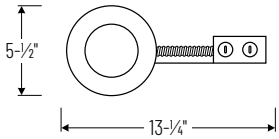
LABELS AND LISTINGS

- cULus Listed for damp location & feed through (wet location when used with compatible downlights)
- Airtight in accordance to ASTM E283
- Certified to the high efficacy requirements of California Title 24 JA8-2025 (when used with compatible downlight)
- RoHS compliant

PRODUCT IMAGES & DIMENSIONS



5-⅝"
Ceiling Cut-Out



5" Shallow IC Air-Tight LED Dedicated Remodel Housing

Housing Type
NHRIC-527LMRAT: 5" Shallow IC Air-Tight Remodel Housing, 120/277V input (120V Triac/ELV dimming)

Example: **NHRIC-527LMRAT** = 5" Shallow IC Air-Tight LED Dedicated Remodel Housing, 120/277V input

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