

NSIC-401QAT

4" IC Airtight Line Voltage New Construction Housing

Source: 50W R/PAR20 max.

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

New construction housing for use in 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 labeled for use with Nora 4" line voltage trims and compatible with all LED retrofits.

FEATURES

- 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
- Quick connect provided
- 24-1/2" Bar hangers with captive nails and alignment foot
- Accommodates 1-3/8" maximum ceiling thickness

CONSTRUCTION

Plastic Frame: 0.040 steel frame with integral bar hanger brackets.

Housing: 0.035 white baked enamel one-piece drawn steel. Accommodates ceiling thickness from 5/8" to 1-3/8".

Minimum Clearance: IC rated for direct contact with thermal insulation. Not to be used in direct contact with spray foam 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.

Socket: Galvanized steel socket plate adjusts inside housing for optimum light performance. Contains a single medium base socket. Protective cap included to protect socket interior during ceiling painting. Socket plate can be removed in the field to convert to a floating socket.

Bar Hangers: Two 13-3/4" to 24-1/2" adjustable bar hangers with captive nails are included on frame. Hanger bars have T-Bar slot and alignment feet. Bar hangers are parallel to junction box, but can be repositioned 90° perpendicular to junction box if desired. "L" Shaped bar hanger foot to align to bottom of construction joist. A T-Bar notch allows easy installation in a suspended ceiling.

Junction Box: Prewired 25 cubic inch 0.060" thick galvanized steel box with seven 1/2" knockouts. Electrical grounding automatic when feeding with grounded steel EMT pipe or flex. All leads are #18AWG wire, the ground wire is connected to the bottom, and quick connectors are supplied on all leads. Maximum of 8 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.

Quick Connect Feature: Housing contains three UL approved quick connections that allow insertion of 1/4" stripped solid or tinned standard conductors to be inserted into the connector. Connectors are pre-attached to fixture power, common, and ground circuits.

Thermal Protector: Standard UL thermal protector rated for 125°C is affixed to inner top surface of housing.

ELECTRICAL

Input Voltage: 120V

Socket: Medium base

Lamp: R/PAR20

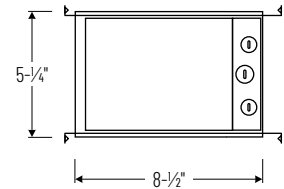
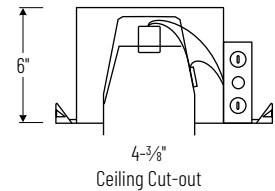
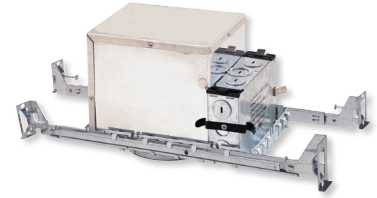
Wattage: 50W max. (also available in 12W or 20W max.)

LABELS AND LISTINGS

- cULus Listed for Damp Location w/ Feed Through (Wet Location when used with designated trims)
- Airtight in accordance to ASTM E283



PRODUCT IMAGES & DIMENSIONS



4" IC Airtight Line Voltage New Construction Housing

Housing Type

NSIC-401QAT: 4" IC Airtight Line Voltage New Construction Housing, labeled at 50W max.

NSIC-401QAT/12: 4" IC Airtight Line Voltage New Construction Housing, labeled at 12W max.

NSIC-401QAT/20: 4" IC Airtight Line Voltage New Construction Housing, labeled at 20W max.

Example: **NSIC-401QAT** = 4" IC Airtight Line Voltage New Construction Housing