

Type
Project
Catalog No.
Lamp/Wattage

NHIC-17QAT / NHIC-17QNBAT
6" IC Air-Tight Line Voltage Housing

Source: 100W Max. (Varies with trim)

PRODUCT DESCRIPTION

New construction housing for use in insulated ceilings can be in direct contact with thermal insulation. Air-tight construction provides energy savings by reducing the flow of air through the ceiling.

FEATURES

- 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 1-3/4" maximum ceiling thickness

CONSTRUCTION

Plaster Frame

High quality 0.040 steel die cut one piece frame.

Housing

0.040 aluminum housing with riveted cap adjusts to maximum ceiling thickness of 1-3/4" (45mm). Spring brackets accept torsion wing trim springs; slots on socket plate surface accept standard coil springs.

Air Flow Restriction

Housing has factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

Socket

NHIC-17QAT:

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.

NHIC-17QNBAT:

Socket is free floating and installs to eyeball, gimbal ring and new trims equipped with socket brackets. Protective cap included to protect socket interior during ceiling painting.

Bar Hangers

Two 13-3/4" to 24-1/2" adjustable bar hangers with captive nails are included on frame. 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 allow for easy installation in a suspended ceiling.

Junction Box

Prewired 25 cubic inch 0.064" thick galvanized steel, with five 1/2", two 3/4" knockouts, 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. Through branch circuit wiring, (4-in, 4-out).

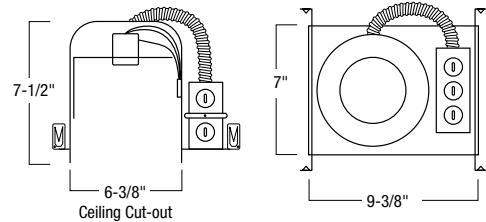
Quick Connect Feature

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 90°C is affixed to inner top surface of housing.

DIMENSIONS



Cut-out: 6-3/8"
ID: 6"

Housing Length: 10-1/8"
Housing Width: 7"
Housing Height: 7-1/2"

Lamp

100W max. - lamp and wattage varies with trim (ordered separately)

FIRE BOX

NRA-126: Nora Lighting's Fire Rated Recessed Light Enclosure allows a architects, specifiers and installers to easily maintain the integrity of fire-rated ceilings for one-hour.

Labels and Listings

cULus Listed for Damp Location w/ Feed Through
cULus Wet Listed (Only with designated trims)
Meets or exceeds ASTM-283 Air-Tight Requirements
Washington State Approved
NYC Approved: Calendar #43895



Housings

- NHIC-17QAT: 6" IC Air-Tight Line Voltage Housing, Adjustable Socket Bracket
- NHIC-17QNBAT: 6" IC Air-Tight Line Voltage Housing, Floating Socket (No Bracket)
- NHIC-17QAT/FX: 6" IC Air-Tight Line Voltage Housing, Adjustable Socket Bracket with Fire Box