

# NHIC-17QAT / NHIC-17QNBAT

## 6" IC Air-Tight Line Voltage New Construction Housing

Source: 90W Max. (Varies by trim)

Type

Project

Catalog No.

Notes

### PRODUCT DESCRIPTION

New construction housing for use in 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 labeled for use with Nora 6" line voltage trims and compatible with all LED retrofits.

### FEATURES

- IC Air-Tight 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 1-1/4" maximum ceiling thickness

### CONSTRUCTION

**Plastic Frame:** High quality 0.0245" steel die cut one piece frame.

**Housing:** 0.036" aluminum housing with riveted cap adjusts to maximum ceiling thickness of 1-1/4". Spring brackets accept torsion wing trim springs; slots on socket plate 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.

**Clearance:** "IC" Insulated ceiling housings are direct contact rated. Not to be used in direct contact with spray foam insulation.

### 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.

### ELECTRICAL

**Input Voltage:** 120V

**Socket:** Medium base

**Lamp:** Lamp type based on trim selection

**Wattage:** 90W max. (wattage varies based on trim)

**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 0.064" thick galvanized steel, with seven 1/2" trade size 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. Maximum of 8 no. 12 AWG through branch circuit conductors suitable for at least 90°C permitted in junction box.

**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.

### FIRE BOX

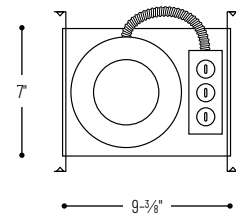
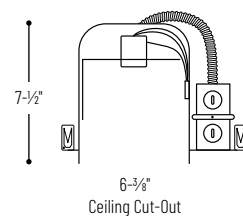
**NRA-126:** Fire rated recessed enclosure allows architects, specifiers and installers to easily maintain the integrity of fire rated ceilings for one-hour

### LABELS AND LISTINGS

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



### PRODUCT IMAGES & DIMENSIONS



## 6" IC Air-Tight Line Voltage New Construction Housing

Housing Type

**NHIC-17QAT:** 6" IC Air-Tight Line Voltage New Construction Housing, Adjustable Socket Bracket, labeled at 90W max.

**NHIC-17QAT/XX:** 6" IC Air-Tight Line Voltage New Construction Housing, Adjustable Socket Bracket, labeled at lower wattage (**Consult Factory**)

**NHIC-17QNBAT:** 6" IC Air-Tight Line Voltage New Construction Housing, Floating Socket (No Bracket), labeled at 90W max.

**NHIC-17QNBAT/XX:** 6" IC Air-Tight Line Voltage New Construction Housing, Floating Socket (No Bracket), labeled at lower wattage (**Consult Factory**)

Example: **NHIC-17QAT** = 6" IC Air-Tight Line Voltage New Construction Housing, Adjustable Socket Bracket