

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.

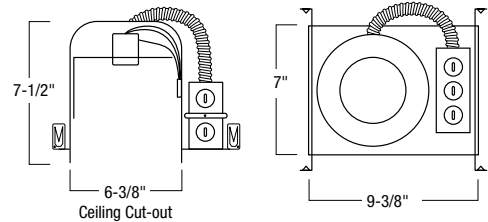
**Housings**

**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

**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

