

Type _____

Project _____

Catalog No. _____

Lamp/Wattage _____

NHIC-27QAT**6" IC Air-Tight Shallow Line Voltage Housing**

Source: 75W Max. (Varies with trim)

PRODUCT DESCRIPTION

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

FEATURES

- Low 5-1/2" profile for existing shallow ceiling plenums
- 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

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. 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

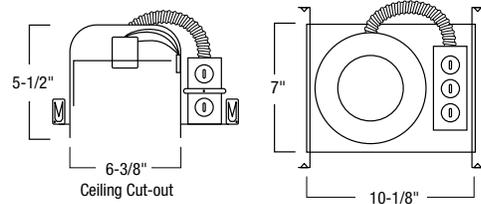
Housing contains three UL approved quick connections that allow insertion of 1/4" stripped solid or tinned standard conductors to be inserted into the connector. Connectors are pre-attached to fixture power, common, and ground circuits.

Thermal Protector

Standard UL thermal protector rated for 90°C is affixed to inner top surface of housing.

Lamp

75W max. - lamp and wattage varies with trim (ordered separately)

DIMENSIONS

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

Housing Length: 10-1/8"
Housing Width: 7"
Housing Height: 5-1/2"

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-27QAT: 6" IC Air-Tight Shallow Line Voltage Housing, Adjustable Socket Bracket