

NHRIC-27QAT

6" IC Air-Tight Shallow Line Voltage Remodel Housing

Source: 75W Max. (Varies with trim)

PRODUCT DESCRIPTION

Remodel housing for use in shallow plenum, insulated ceilings and can be in direct contact with thermal insulation. Installs into existing sheet rock ceilings that have no access from above the ceiling plenum. 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
- No above ceiling access required
- cULus listed for damp location and through branch circuit wiring
- Quick connect provided
- Installation-ready for existing sheet rock ceilings
- Accommodates 1-3/8" maximum ceiling thickness

CONSTRUCTION

Plaster Frame

High quality 0.040 steel die cut one piece frame.

Housing

0.040 aluminum adjusts to a maximum ceiling thickness of 1-3/8" (35mm). Housing terminates at 1/4" ceiling flange for even positioning of housing angle within the ceiling. Structural arm consisting of 0.050 structural steel connects housing with junction box. 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.

Mounting

Four high tension springs secure the housing to an existing sheet rock ceiling. Accommodates ceiling thickness to 1-3/8" (35mm). Insulation may be blown directly onto the surface of the fixture.

Junction Box

Plaster frame integrated 25 cu. in. junction box 0.064 galvanized steel with five 1/2", two 3/4" knockouts, and four Romex® pryouts. Electrical grounding automatic when feeding with grounded steel EMT pipe or flex. Green wire provided for installations with ground wire fed through PVC pipe conduit.

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

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

NORALIGHTING®

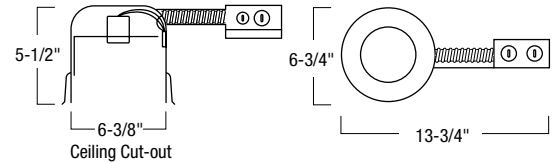
Type

Project

Catalog No.

Lamp/Wattage

DIMENSIONS



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

Housing Length: 13-3/4"
Housing Width: 6-3/4"
Housing Height: 5-1/2"

Lamp

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

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

