

Type
Project
Catalog No.
Lamp/Wattage

NLIC-301
3" IC-Air-Tight Low Voltage Housing

Source: 20W-50W 12V MR16/Bi-Pin

PRODUCT DESCRIPTION

New construction three inch housing for use in insulated ceilings can be in direct contact with thermal insulation. Rated for use with a low voltage MR16 or Bi-Pin GY6.35 lamp.

CONSTRUCTION

Plaster Frame

0.040 steel frame with integral bar hanger brackets. Brackets can accommodate longer 27" accessory flat bar hangers. Shipping screw installed to provide extra security for transformer during shipment - remove before installation.

Housing

0.035 white baked enamel one-piece drawn steel. Adjustable for ceiling thickness up to 1-1/4".

Air Flow Restriction

Air tight (AT) housings have 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

Low voltage bi-pin socket with heat shield.

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 0.060" thick galvanized steel, with seven 1/2" 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).

Lamp

20W-50W 12V MR16 (ordered separately)
 20W-50W 12V Bi-Pin GY6.35 (ordered separately)

TRANSFORMER

Magnetic

Thermally protected, single tap input voltage available in 120V 60Hz, Class H, 50 Watts maximum.

Electronic

Thermally protected, single tap input voltage available in 120V 60Hz with short circuit protection, 50 Watts maximum.

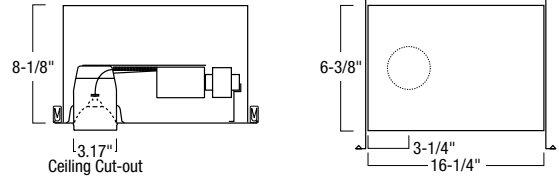
Operating Ambient Temperature: 122°F (50°C) Max.
 Power Factor: >0.95

*Consult factory for compatible LED MR-16 Lamps

DIMMING

Use magnetic low voltage dimming control with magnetic transformer or electronic low voltage dimming control with electronic transformer.

DIMENSIONS



Cut-out: 3.17"
 Housing Length: 16-1/4"
 Housing Width: 6-3/8"
 Housing Height: 8-1/8"

Optional Accessories

- NRA-28:** 27" Flat Bar Hangers
- NRA-36:** Replacement socket with heat shield

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 (Air-Tight Housings only)
 Washington State Approved (Air-Tight Housings only)



Housings

- NLIC-301QAT/20:** 3" Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 20W
- NLIC-301QAT/37:** 3" Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 37W
- NLIC-301QAT:** 3" Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 50W
- NLIC-301AT/1EL:** 3" Air-Tight Low Voltage Housing, 120V/12V Electronic Transformer, Rated for 50W

Optional Accessories

- NRA-28:** 27" Flat Bar Hangers
- NRA-36:** Replacement socket with heat shield