

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

Source: 20-50W 12V MR16

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.

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).

ELECTRICAL

Input Voltage: 120V

Output Voltage: 12V

Socket: Low Voltage GU5.3 Bi-Pin with Heat Shield

Wattage: 20W-50W

Lamp: 12V MR16

TRANSFORMER

Magnetic: Thermally protected, single tap input voltage available in 120V 60Hz, Class H, 50 Watts maximum. Dimmable with magnetic low voltage dimmer.

Electronic: Thermally protected, single tap input voltage available in 120V 60Hz with short circuit protection, 50 Watts maximum. Dimmable with magnetic low voltage dimmer.

Operating Ambient Temperature: 122°F (50°C) Max.

Power Factor: >0.95

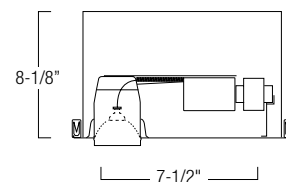
*Consult factory for compatible LED MR16 Lamps

LABELS AND LISTINGS

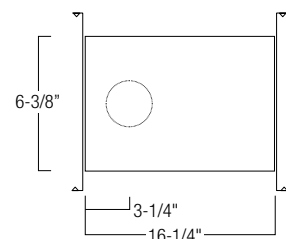
- cULus Listed for Damp Locations with feed through
- cULus Listed for Wet Locations when used with compatible trims
- Meets or exceeds ASTM-283 Air-Tight requirements
- Washington State Approved



PRODUCT DIMENSIONS



Ceiling Cut-out: 3-1/8"



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Housing

NLIC-301QAT/20 = 3" IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 20W

NLIC-301QAT/37 = 3" IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 37W

NLIC-301QAT = 3" IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 50W

NLIC-301AT/1EL = 3" IC Air-Tight Low Voltage Housing, 120V/12V Electronic Transformer, Rated for 50W

Optional Accessories

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NRA-28 = 27" Flat bar hangers

NRA-36 = Replacement socket with heat shield

NET-EMIFILTER = EMI Filter

Example: **NLIC-301AT/1EL** = 3" IC Air-Tight Low Voltage Housing, 120V/12V Electronic Transformer, Rated for 50W