

NLIC-301AT

TRUE 3" IC Air-Tight Low Voltage New Construction Housing  
Source: 50W MR16 max.

PRODUCT DESCRIPTION

3" Low Voltage housings are a true three inches! Reduced wattage housings are useful in meeting watts per square foot requirements. Housings are available with magnetic or electronic transformers.

CONSTRUCTION

**Plastic 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".

**Minimum Clearance:** "IC" Housings are direct contact rated; no minimum clearance is required

**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 airtight requirements.

**Bar Hangers:** Two 13-3/4" to 24-1/2" adjustable bar hangers with captive nails are included on frame. Hanger bars have T-Bar slot and alignment feet. 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 allows 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 cover. All leads are #18AWG wire, the ground wire is connected to the bottom, and quick connectors are supplied on all leads. Maximum of 8 no. 12 AWG through branch circuit conductors suitable for at least 90°C permitted in junction box.

Transformer:

Electronic: Thermally protected, single tap input voltage available in 12V 60Hz with short circuit protection. Approved for use with LED lamps.  
Magnetic: Thermally protected, single tap input voltage available in 12V 60Hz. Class H.

ELECTRICAL

**Input Voltage:** 120V  
**Output Voltage:** 12V  
**Socket:** Bi-Pin GU5.3 socket with heat shield  
**Wattage:** 50W max.  
(Can be labeled for lower wattages - Consult Factory)  
**Lamp:** MR16 (not included)  
**Transformer:** Electronic or Magnetic (must specify)

COMPATIBLE TRIMS

- NL-3310: Round Adjustable Baffle
- NL-3312: Round Adjustable Reflector
- NL-3318: Round Eyeball with Baffle
- NL-3325: Round Frosted Dome Lens (Wet Listed)
- NL-3326: Round Flat Lens (Wet Listed)
- NL-3345: Round Adjustable Slot Aperture
- NL-3348: Round Wall Wash with Baffle
- NL-3365: Round Adjustable Gimbal
- NL-3410: Square with Round Baffle
- NL-3412: Square with Round Reflector

OPTIONAL ACCESSORIES

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

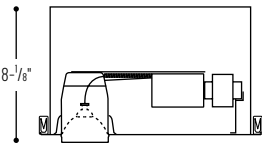
LABELS AND LISTINGS

- cULus Listed for Damp Location w/ Feed Through
- Wet Location when used with designated trims)
- Airtight in accordance to ASTM 283

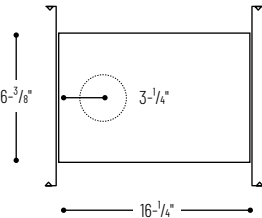


Type
Project
Catalog No.
Notes

PRODUCT IMAGES & DIMENSIONS



3-1/8" Ceiling Cut-Out



TRUE 3" IC Air-Tight Low Voltage New Construction Housing

Catalog No.

- NLIC-301QAT = TRUE 3" IC Air-Tight Low Voltage New Construction Housing, 120V Magnetic, 50W max.
- NLIC-301AT/IEL = TRUE 3" IC Air-Tight Low Voltage New Construction Housing, 120V Electronic, 3W-50W

Optional Accessories

Catalog No.

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

Example: NLIC-301QAT = TRUE 3" IC Air-Tight Low Voltage New Construction Housing, 120V Magnetic, 50W max.