

# NLIC-401

## 4" IC Air-Tight Low Voltage Double Wall Housing

Source: 50W max.

12V MR16 (Lamp not included)

Type

Project

Catalog No.

Notes

### PRODUCT DESCRIPTION

4" low voltage IC small low profile double wall housing provides crisp, defined MR16 quartz halogen illumination to any insulated ceiling application. Air-Tight construction offers energy savings by reducing the flow of air through the ceiling. The small profile of this series provides easy installation to any joist or steel stud construction. A wide variety of attractive adjustable trims allows fine-tuned aiming of direction light sources.

### 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:** 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.

**Clearance:** "IC" Insulated ceiling housings are direct contact rated. **Not to be used in direct contact with spray foam insulation.**

**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 and 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. Maximum of 8 no. 12 AWG through branch circuit conductors suitable for at least 90°C permitted in junction box.

### ELECTRICAL

**Input Voltage:** 120V or 277V (must specify)

**Output Voltage:** 12V

**Socket:** Bi-Pin GU5.3 socket with heat shield

**Wattage:** 50W max.

(Consult factory for lower wattage label)

**Lamp:** 12V MR16 (not included)

**Dimming:** MLV (with Magnetic Transformer) or ELV (with Electronic Transformer)


### COMPATIBLE TRIMS

- NL-410 = Adjustable Baffle
- NL-411 = Black Adjustable Stepped Baffle
- NL-412 = Gold Adjustable Reflector
- NL-413 = Black Adjustable Reflector
- NL-414 = Specular Clear Adjustable Reflector
- NL-416 = White Adjustable Reflector
- NL-418 = Adjustable Eyeball, Baffle
- NL-420 = White Pinhole with Black Baffle
- NL-421 = White Pinhole with White Baffle
- NL-422  = Albalite Lens with Reflector
- NL-423  = Fresnel Lens with Reflector
- NL-425  = Frosted Dome Lens with Reflector
- NL-426  = Flat Frosted Lens with Reflector
- NL-427  = Flat Frosted Lens with Clear Center
- NL-429  = Reflector with Tempered Flat Glass
- NL-432 = Deep Reflector with Metal Ring
- NL-440 = Metal Pinhole
- NL-445 = Adjustable Slot Aperture
- NL-448 = Adjustable Wall Wash with Black Baffle
- NL-449 = Adjustable Wall Wash with White Baffle
- NL-450 = Adjustable Wall Wash with White Reflector
- NL-452 = Natural Metal Adjustable Reflector with Ring
- NL-453 = Adjustable Reflector with Ring
- NL-463 = Adjustable Gimbal with Baffle
- NL-465 = Surface Adjustable
- NL-467 = Surface Adjustable with Baffle
- NL-468 = 45° Adjustable Stepped Baffle with Ring
- NL-469 = 45° Adjustable Reflector with Ring
- NL-470 = Fully Adjustable Elbow
- NL-4810 = Square Adjustable Stepped Baffle
- NL-4814 = Square Adjustable Reflector
- NL-4826  = Square Frosted Flat Lens
- NL-4827  = Square Frosted Flat Lens, Clear Center
- NL-4840 = Square Pinhole
- NL-4845 = Square Adjustable Slot Aperture (50W max.)
- NL-4855 = Square Pinhole with Adjustable Reflector
- NL-4857 = Square Adjustable Reflector
- NL-4859  = Square Reflector w/Clear Lens (50W max.)
- NL-4865 = Square Surface Adjustable
- NL-4870 = Square Fully Adjustable Elbow
- NL-490 = Adjustable Drop Gimbal

### OPTIONAL ACCESSORIES

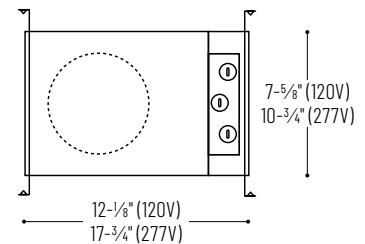
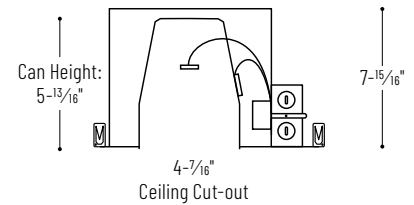
- NRA-28: 27" Flat Bar Hangers
- NRA-36: Replacement socket with heat shield

### LABELS AND LISTINGS

- cULus Listed for Damp Location
-  Wet Location when used with designated trims
- Meets or exceeds ASTM-283 Air-Tight requirements
- RoHS compliant



### PRODUCT IMAGES & DIMENSIONS



## 4" IC Air-Tight Low Voltage Double Wall Housing

Catalog No.

- NLIC-401QSAT = 4" IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 50W max.
- NLIC-404QSAT/XX = 4" IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, labeled at lower wattage (**Consult Factory**)
- NLIC-401AT/IEL = 4" IC Air-Tight Low Voltage Housing, 120V/12V Electronic Transformer, Rated for 3-50W
- NLIC-401AT/IEL/XX = 4" IC Air-Tight Low Voltage Housing, 120V/12V Electronic Transformer, labeled at lower wattage (**Consult Factory**)
- NLIC-401AT/2EL = 4" IC Air-Tight Low Voltage Housing, 277V/12V Electronic Transformer, Rated for 3-50W
- NLIC-401AT/2EL/XX = 4" IC Air-Tight Low Voltage Housing, 277V/12V Electronic Transformer, labeled at lower wattage (**Consult Factory**)

## Optional Accessories

Description

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

Example: NLIC-401QSAT = 4" IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 50W max.