

# 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-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-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

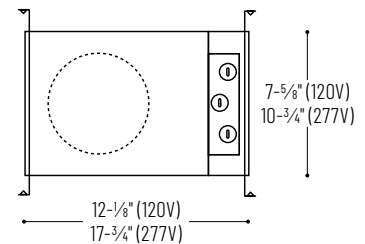
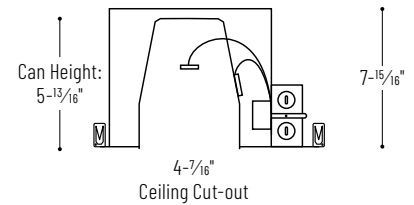
[NRA-36](#): Replacement socket with heat shield

### 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-401QSAT/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.