

NLIC-402

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

Source: 50W max.

12V MR16 (Lamp not included)

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

4" Shallow 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. Outside box constructed of formed aluminum. Adjustable for ceiling thickness up to 7/8".

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 seven 1/2" 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. Through branch circuit wiring, (4-in, 4-out).

ELECTRICAL

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

Output Voltage: 12V

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

Wattage: 20W-50W (must specify)

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-424 - Drop Opal 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-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-470 - Fully Adjustable Elbow
NL-4810 - Square Adjustable Stepped Baffle
NL-4814 - Square Adjustable Reflector
NL-4825 - Square Frosted Dome Lens
NL-4826 - Square Frosted Flat Lens
NL-4827 - Square Frosted Flat Lens, Clear Center
NL-4840 - Square Pinhole
NL-4845 - Square Adjustable Slot Aperture
NL-4855 - Square Pinhole with Adjustable Reflector
NL-4857 - Square Adjustable Reflector
NL-4865 - Square Surface Adjustable
NL-4870 - Square Fully Adjustable Elbow
NL-490 - Adjustable Drop Gimbal
NL-491 - Adjustable Spot

OPTIONAL ACCESSORIES

NRA-28: 27" Flat Bar Hangers

NRA-36: Replacement socket with heat shield

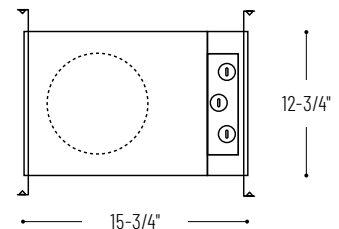
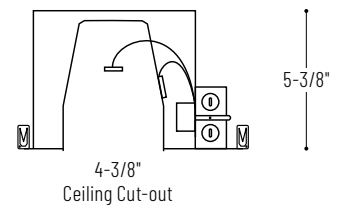
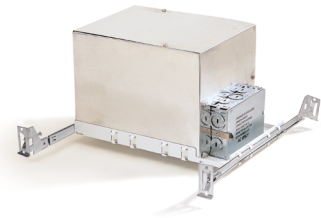
NET-EMIFILTER: EMI Filter

LABELS AND LISTINGS

- cULus Listed for Damp Location (wet location when used with compatible reflectors)
- Meets or exceeds ASTM-283 Air-Tight requirements



PRODUCT IMAGES & DIMENSIONS



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

Catalog No.

NLIC-402QSAT/20 = 4" Shallow IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 20W max.

NLIC-402QSAT/37 = 4" Shallow IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 37W max.

NLIC-402QSAT = 4" Shallow IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 50W max.

NLIC-402AT/IEL = 4" Shallow IC Air-Tight Low Voltage Housing, 120V/12V Electronic Transformer, Rated for 3-50W (for FCC class B compliance, use EMI filter)

Optional Accessories

Description

NRA-28 = 27" Flat Bar Hangers

NRA-36 = Replacement socket with heat shield

NET-EMIFILTER = EMI Filter for NLIC-402AT/IEL

Example: **NLIC-402QSAT** = 4" Shallow IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 50W max.