

# NL-401

## 4" Low Voltage Non-IC New Construction Housing

Source: 75W max.

12V MR16 (Lamp not included)

Type

Project

Catalog No.

Notes

### PRODUCT DESCRIPTION

4" low voltage new construction housing provides crisp, defined MR16 quartz halogen illumination to any insulated ceiling application. 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.

**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.

Note: 75W housings are not Air-Tight rated

**Clearance:** Non-IC housings require a minimum clearance of 3" from thermal insulation and 1/2" from combustible material from above the fixture.

**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 22 cubic inch 0.06" thick galvanized steel, with seven 1/2" knockouts and four Romex pryouts and snap on covers for 50W housings. 75W housings include four 1/2" knockouts and two double knockouts (3/4" or 1/2"). 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-75W (must specify)

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

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

### COMPATIBLE TRIMS

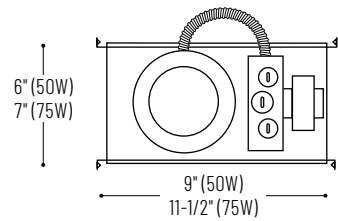
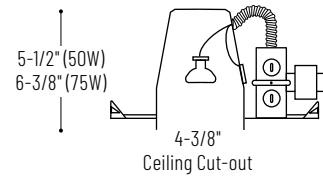
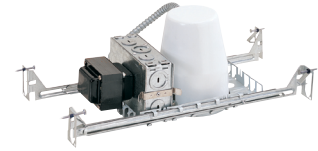
- NL-410 - Adjustable Baffle
- NL-411 - Black Adjustable Stepped Baffle
- NL-412 - Gold Adjustable Reflector
- NL-413 - Black Adjustable Reflector
- NL-414 - Specular Clear Adjustable Reflector
- NL-416 - White Adjustable Reflector
- NL-418 - Adjustable Eyeball, Baffle
- NL-420 - White Pinhole with Black 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-432 - Deep Reflector with Metal Ring
- NL-438 - Specular Clear Reflector for Decorative 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-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-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 (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
- NL-491 - Adjustable Spot

### LABELS AND LISTINGS

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



### PRODUCT IMAGES & DIMENSIONS



## 4" Low Voltage Non-IC New Construction Housing

Catalog No.

- NL-401QAT/20 = 4" Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 20W max.
- NL-401QAT/37 = 4" Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 37W max.
- NL-401QAT = 4" Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 50W max.
- NL-401AT/IEL = 4" Air-Tight Low Voltage Housing, 120V/12V Electronic Transformer, Rated for 3-50W (for FCC class B compliance, use EMI filter)
- NL-401AT/2EL = 4" Air-Tight Low Voltage Housing, 277V/12V Electronic Transformer, Rated for 3-50W
- NL-401/75/IEL = 4" Low Voltage Housing, 120V/12V Electronic Transformer, Rated for 75W (for FCC class B compliance, use EMI filter)
- NL-401/75/2EL = 4" Low Voltage Housing, 277V/12V Electronic Transformer, Rated for 75W

## Optional Accessories

Description

- NRA-28 = 27" Flat Bar Hangers
- NRA-36 = Replacement socket with heat shield
- NET-EMIFILTER = EMI Filter for NL-401AT/IEL or NL-401/75/IEL

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