

# NL-601

## 6" Non-IC Air-Tight Low Voltage New Construction Housing

Source: 50W AR111/PAR36 max.  
75W MR16 max.

Type

Project

Catalog No.

Notes

### PRODUCT DESCRIPTION

6" Low voltage housings provide crisp, defined MR16 halogen illumination for any application. Reduced wattage housings are useful in meeting watts per square foot requirements. Housings are available with magnetic or electronic transformers. A variety of attractive adjustable trims allow for fine-tuned aiming of directional light sources.

### CONSTRUCTION

**Plastic Frame:** 0.035 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 1-3/8".

**Minimum Clearance:** Non-IC housings require a minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components.

**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.

**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. Through branch circuit wiring, (4-in, 4-out).

### 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 or 75W max (must specify)

**Lamp:** AR111 or MR16 (not included)

Note: LED lamps are compatible with NL-601/1EL

**Transformer:** Electronic or Magnetic (must specify)

### COMPATIBLE TRIMS

**NL-610** - Adjustable Baffle, White

**NL-611** - Adjustable Baffle, Black

**NL-613** - Adjustable Reflector, Black

**NL-614** - Adjustable Reflector, Clear

**NL-618** - Adjustable Eyeball with Baffle

**NL-641** - Designer Baffle

**NL-644** - Designer Reflector, Haze

**NL-645** - Adjustable Slot Aperture

**NL-646** - Designer Reflector, White

**NL-663** - Gimbal with Baffle

**NL-665** - Surface Round Spot

**NL-670** - Adjustable Spot Cylinder

**NL-671** - Surface Gimbal

**NL-680** - Adjustable Elbow

### OPTIONAL ACCESSORIES

**NRA-126** - One hour Fire Rated Enclosure

**NRA-28** - 27" Flat Bar Hangers

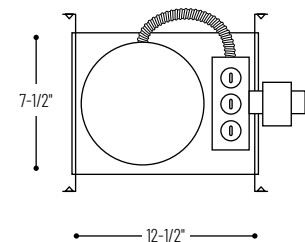
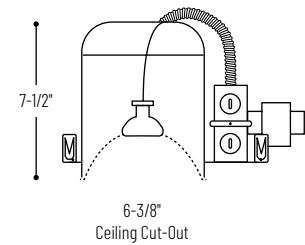
**NRA-36** - Replacement socket with heat shield

### LABELS AND LISTINGS

- cULus Listed for Damp Location w/ Feed Through (Wet Location when used with designated trims)
- Meets or exceeds ASTM-283 Air-Tight Requirements



### PRODUCT IMAGES & DIMENSIONS



## 6" Non-IC Air-Tight Low Voltage New Construction Housing

Catalog No.

**NL-601/1EL** = 6" Non-IC Air-Tight Low Voltage New Construction Housing, 120V Electronic, 3W-50W (Compatible with LED lamps)

**NL-601/2EL** = 6" Non-IC Air-Tight Low Voltage New Construction Housing, 277V Electronic, 50W

**NL-601/75/1EL** = 6" Non-IC Air-Tight Low Voltage New Construction Housing, 120V Electronic, 75W

**NL-601/75/2EL** = 6" Non-IC Air-Tight Low Voltage New Construction Housing, 277V Electronic, 75W

**NL-6010** = 6" Non-IC Air-Tight Low Voltage New Construction Housing, 120V Magnetic, 50W

**NL-601/750** = 6" Non-IC Air-Tight Low Voltage New Construction Housing, 120V Magnetic, 75W

## Optional Accessories

Catalog No.

**NRA-126** = One hour Fire Rated Enclosure

**NRA-28** = 27" Flat Bar Hangers

**NRA-36** = Replacement socket with heat shield

Example: **NL-601/1EL** = 6" Non-IC Air-Tight Low Voltage New Construction Housing, 120V Electronic, 3W-50W (Compatible with LED lamps)