

NLIC-401

4" IC Air-Tight Low Voltage Housing

Source: 50W max 12V MR16

PRODUCT DESCRIPTION

New construction housing for use in insulated ceilings can be in direct contact with thermal insulation. Rated for use with a low voltage MR16 lamp.

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

Air tight (AT) housings have 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.

Socket

Low voltage bi-pin socket with heat shield.

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, 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).

Lamp

20W-50W 12V MR16 (ordered separately)

TRANSFORMER

Magnetic

Thermally protected, single tap input voltage available in 120V 60Hz or 277V 60Hz. Class H, 20 Watts minimum to 50 Watts maximum load.

Electronic

Thermally protected, single tap input voltage available in 120V 60Hz or 277V 50/60Hz with short circuit protection. 3 Watts minimum to 50 Watts maximum load.

Operating Ambient Temperature: 122°F (50°C) Max.

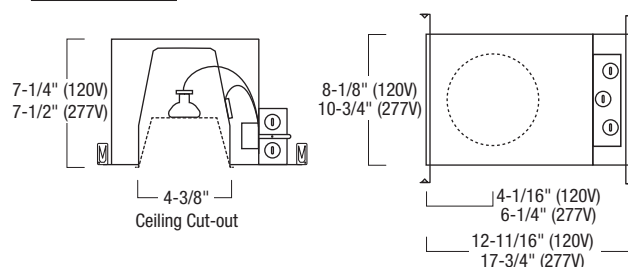
Power Factor: >0.95

*Consult factory for compatible LED MR-16 Lamps

DIMMING

Use magnetic low voltage dimming control with magnetic transformer or electronic low voltage dimming control with electronic transformer.

DIMENSIONS



Cut-out: 4-3/8" ID: 4" Housing Length: 12-11/16" (120V) 17-3/4" (277V) Housing Width: 8-1/8" (120V) 10-3/4" (277V) Housing Height: 7-1/4" (120V) 7-1/2" (277V)

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 w/ Feed Through

cULus Wet Listed (Only with designated trims)

Meets or exceeds ASTM-283 Air-Tight Requirements

Washington State and California Approved



Optional Accessory

Item No.	Description
NRA-28	27" Flat Bar Hangers
NRA-36	Replacement socket with heat shield
NET-EMIFILTER	EMI Filter

Housings

NLIC-401QSAT/20	4" IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 20W
NLIC-401QSAT/37	4" IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 37W
NLIC-401QSAT	4" IC Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 50W
NLIC-401AT/277V	4" IC Air-Tight Low Voltage Housing, 277V/12V Magnetic Transformer, Rated for 50W
NLIC-401AT/1EL	4" IC Air-Tight Low Voltage Housing, 120V/12V Electronic Transformer, Rated for 3-50W (FOR FCC CLASS B COMPLIANCE, USE WITH EMI FILTER)
NLIC-401AT/2EL	4" IC Air-Tight Low Voltage Housing, 277V/12V Electronic Transformer, Rated for 3-50W