

NLR-304

3" Air-Tight Low Voltage Remodel Housing

Source: 20W-50W 12V MR16/Bi-Pin

PRODUCT DESCRIPTION

Remodel three inch housing for installation into existing sheet rock ceilings where access is only available from below the ceiling. For use in non-insulated ceilings, where insulation can be kept 3" from fixtures. Rated for use with a low voltage MR16 or Bi-Pin GY6.35 lamp.

CONSTRUCTION

Housing

0.050 white baked enamel one-piece drawn aluminum housing adjusts to a ceiling thickness from 3/8" to 5/8". Housing terminates at a 1/4" ceiling flange for even positioning of housing angle within the ceiling. Structural arm consists of 0.050 steel and connects to housing with j-box and transformer. Integral springs brackets provided.

Clearance

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

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.

Mounting

Four high tension tempered steel springs secure remodel housing to ceiling. (Hole cutout template provided for convenience).

Junction Box

Prewired 15 cubic inch 0.060" thick galvanized steel, with six 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).

Lamp

20W-50W 12V MR16 (ordered separately)
 20W-50W 12V Bi-Pin GY6.35 (ordered separately)

TRANSFORMER

Magnetic

Thermally protected, single tap input voltage available in 120V 60Hz, Class H, 50 Watts maximum.

Electronic

Thermally protected, single tap input voltage available in 120V 60Hz with short circuit protection, 50 Watts maximum.

Operating Ambient Temperature: 122°F (50°C) Max.
 Power Factor: >0.95

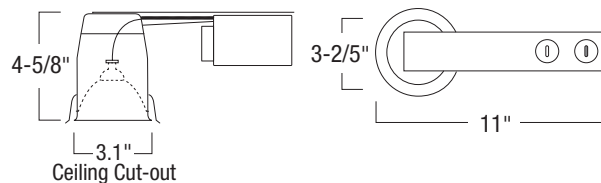
DIMMING

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

Optional Accessories

NRA-36: Replacement socket with heat shield
NET-EMIFILTER: EMI Filter

DIMENSIONS



Cut-out: 3.1"
 Housing Length: 11"
 Housing Width: 3-2/5"
 Housing Height: 4-5/8"

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 (Air-Tight Housings only)
 Washington State Approved (Air-Tight Housings only)

Optional Accessory

Item No.	Description
NRA-36	Replacement socket with heat shield
NET-EMIFILTER	EMI Filter

Housings

NLR-304QAT/20	3" Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 20W
NLR-304QAT/37	3" Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 37W
NLR-304QAT	3" Air-Tight Low Voltage Housing, 120V/12V Magnetic Transformer, Rated for 50W
NLR-304AT/1EL	3" Air-Tight Low Voltage Housing, 120V/12V Electronic Transformer, Rated for 50W (FOR FCC CLASS B COMPLIANCE, USE WITH EMI FILTER)