

NLIC-401 Series

4" Low Voltage Insulated Ceiling Housing with Adjustable Trims

Lamp: 50W MR16



Type _____

Project _____

Catalog No. _____

Lamp/Wattage _____

PRODUCT DESCRIPTION

Four-inch low voltage housing with integral transformer for use in insulated ceilings.

Features

- IC rated for direct contact with insulation.
- 24-1/2" T-Bar compatible adjustable bar hangers
- Quick connectors provided.
- UL listed for through branch circuit wiring
- cUL listed for use in damp locations
- Extensive selection of decorative trims
- Airtight option standard

Housing

1. **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.
2. **Housing** - 0.035 white baked enamel one-piece drawn steel. Adjustable for ceiling thickness up to 1-1/4". NLIC-401QSAT complies with WSEC airflow restriction of 2CFM (Cubic Feet per Minute) or less.
3. **Mounting** - Two 13-5/8" to 24-1/2" bar hangers are included and can be repositioned 90 degrees for installation. Ends of bar hangers contain 3/4" (20mm) barbed studs and nails for securing bar hanger into the side of a wood joist without damaging the wood grain. Knockouts on plaster frame allow for direct suspension from a structural ceiling with aircraft structural wire cable.

Clearance

"IC" Housings are rated for direct contact, no minimum clearance is required.

Electrical System

1. **Transformer** - Magnetic Class H transformer, 12V output installed onto J-box. Also available in electronic specify /1EL for 120V, or /2EL for 277V.
2. **Wiring** - Standard metal flex whip carries wire lead from j-box and transformer into housing. Wire lead extends a maximum of 1-3/4" outside fixture and terminates at MR16 socket with heat shield.
3. **Junction Box** - Integrated 22 cubic inch junction box 0.060 galvanized steel with three 1/2" knockouts, two 3/4" knockouts, and four Romex® pryouts. Green wire provided for installations with ground wire fed through PVC pipe conduit.

Dimming

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

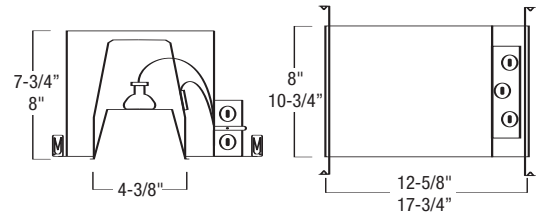
Lamp

One 50W 12V MR16 Halogen (ordered separately).

Trim

Full assortment of decorative reflectors, glass, gimbal rings, and other styles for aesthetic, low profile ceiling finish. Includes tempered UV/shatter shield and foam gasket. Three tension spring clips riveted to trim ring secure trim to housing. White ring is standard.

DIMENSIONS



Cut out: 4-3/8"	Housing Length: 120V - 12-5/8"
	277V - 17-3/4"
Height: 120V - 8"	Housing Width: 120V - 8"
277V - 7-3/4"	277V - 10-3/4"

Optional Accessories

- NRA-28 27" Flat Bar Hanger
- NRA-36 Replacement socket with shield
- NRA-126 One hour fire rated enclosure
- NR-401 Metal replacement ring (B, BZ, C, CO, G, N, W)
- /1EL 120V Electronic Transformer
- /2EL 277V Electronic Transformer

Labels and Listings

UL Listed for through-branch wiring with up to four #12 AWG conductors.
 UL Damp Location w/ Feed Through
 Washington State EC ASTM E283 for Air Tight (AT only).



Create a complete fixture/trim catalog number: Example: NLIC-401QSAT/1EL / NL-490B

Housing - select one box from each column

Catalog No.	Quick Connect	Airtight	Transformer	Voltage
NLIC-401	Q	AT	EL	1 (120)
			M	2 (277)

Adjustable Trims

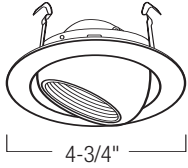
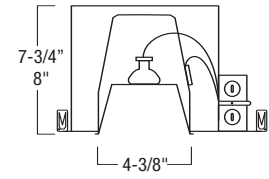
Catalog No.	Finish	Ring
NL-418 NL-468	B N	B N
NL-419 NL-469	BZ W	BZ W
NL-463 NL-470	C	C
NL-465 NL-490	CO	CO
NL-467 NL-491	G	G

Reflector Finishes: B = Black, BZ = Bronze, C = Chrome, CO = Copper, G = Gold, N = Natural Metal, W = White



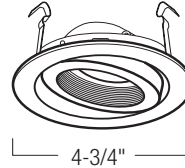
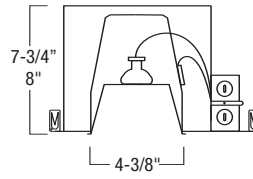
NLIC-401 Adjustable Trims

NL-418, NL-419 Adjustable Eyeball with Baffle



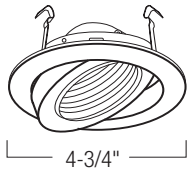
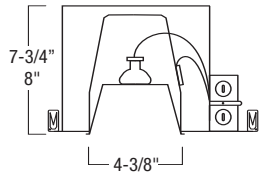
Trim ID: 3-3/4"
 Trim OD: 4-3/4"
 Eyeball Drop: 1-1/8"
 Adjustable: 35 degree
 NL-418 Finishes: Black (B), Copper (CO), Natural Metal (N), White (W)
 NL-419 Finishes: Chrome (C), Gold (G)
 Baffle Finishes: Black (B), Natural Metal (N), White (W)

NL-467 Gimbal with Baffle



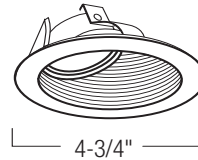
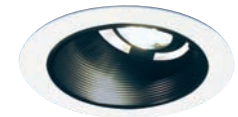
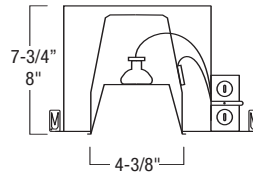
Trim ID: 3-3/4"
 Trim OD: 4-3/4"
 Baffle Depth: 1/2"
 Adjustable: 35 degree
 Baffle Finishes: Black (B), White (W)
 Surface Finishes: Chrome (C), Gold (G), Natural Metal (N), White (W)

NL-463 Surface Eyeball with Baffle



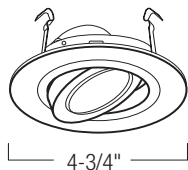
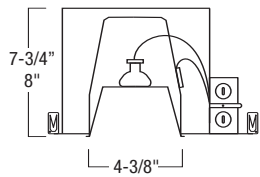
Trim ID: 3-3/4"
 Trim OD: 4-3/4"
 Adjustable: 45 degree
 Baffle Finishes: Black (B), White (W)
 Eyeball Finishes: Black (B), Bronze (BZ), Chrome (C), Copper (CO), Gold (G), Natural Metal (N), White (W)

NL-468 Recessed Baffle



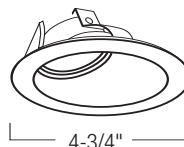
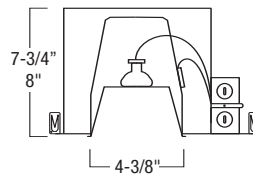
Trim ID: 3-3/4"
 Trim OD: 4-3/4"
 Adjustable: 45 degree
 Baffle Finishes: Black (B), White (W)

NL-465 Surface Adjustable



Trim ID: 3-3/4"
 Trim OD: 4-3/4"
 Adjustable: 45 degree
 Finishes: Black (B), Chrome (C), Copper (CO), Gold (G), Natural Metal (N), White (W)

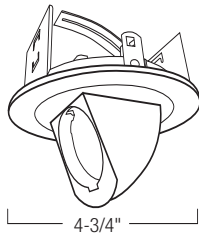
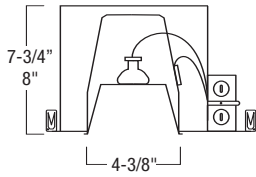
NL-469 Recessed Reflector



Trim ID: 3-3/4"
 Trim OD: 4-3/4"
 Adjustment: 45 degree
 Reflector Finishes: Black (B), Bronze (BZ), Chrome (C), Copper (CO), Gold (G), Natural Metal (N), White (W)

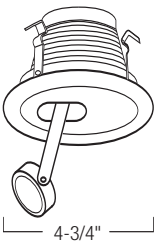
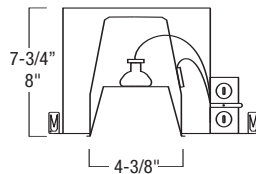
NLIC-401 Adjustable Trims

NL-470 Full Adjustable Elbow



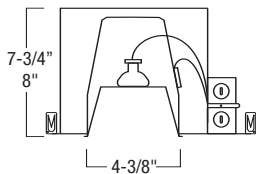
Trim ID: 3-3/4"
 Trim OD: 4-3/4"
 Elbow Drop: 2-9/16"
 Adjustable: 90 degree vertically
 358 degree horizontally
 Finishes: Black (B), Chrome (C),
 Copper (CO), Gold (G),
 Natural Metal (N), White (W)

NL-490 Adjustable Drop Gimbal



Trim ID: 3-3/4"
 Trim OD: 4-3/4"
 Arm Drop: 3-3/4"
 Adjustable: 90 degree
 Finishes: Black (B), White (W)

NL-491 Spot Adjustable



Spot ID: 1-1/2"
 Trim OD: 4-3/4"
 Adjustable: 30 degree
 Finishes: Black (B), Natural Metal (N),
 White (W)