



## 4" Low Voltage Downlight New Constructions

### LAMP WATTAGE

- (1) 50MR16
- (1) 75MR16 (for use only with NL-401/75)

### DESCRIPTION

Four-inch low voltage housing with integral transformer for use in new constructions.

### FEATURES

- Low 5-5/8" (143 mm) profile for shallow plenums
- 24" T-Bar compatible adjustable bar hangers
- Quick connectors provided on "Q" housings
- UL listed for through branch circuit wiring
- UL listed for use in damp locations
- Extensive selection of decorative trims
- Airtight option available
- NYC Approved: Calendar #43895

### HOUSING

1. **Plaster Frame** - .040 steel frame with integral bar hanger brackets. Brackets can be flattened out to accommodate longer 27" flat bar hangers.

2. **Housing** - .035 white baked enamel one-piece drawn steel housing. Adjustable for ceiling thickness up to 1-1/4".

NL-401QAT complies with WSEC airflow restriction of 2CFM (Cubic Feet per Minute) or less.

3. **Mounting** - Two 24" bar hangers included for installation. Ends of bar hangers contain 3/4" (20mm) barbed studs 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.

### ELECTRICAL SYSTEM

1. **Transformer** - Magnetic Class H 12V output transformer pre-installed onto j-box door on far side of j-box from housing.

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 and plate.

3. **Junction Box** - Integrated 13 cu. in. junction box .060 galvanized steel with four 1/2" knockouts, two 3/4" knockouts, and four Romex pryouts. Electrical grounding automatic when feeding with grounded steel EMT pipe or flex. Green wire provided for installations with ground wire fed through PVC pipe conduit.

4. **UL Listed** - Approved for through-branch wiring with up to 4 #12 AWG conductors.

### TRIMS

Full assortment of decorative reflectors, glass, gimbal rings, and other styles for aesthetic, low profile ceiling finish. Trim housing is .030 finished steel with .070 finished aluminum internal housing and components. Includes clear lamp shield. Elbow friction clips secure trim tightly inside housing. Trim contains lamp socket for MR16. Trims ordered separately. See reverse side for styles.



NL-412G



NL-461

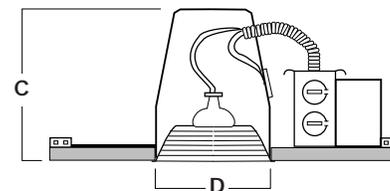
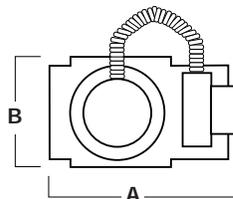
### PRODUCT MATRIX

Ordering Example: **NL-401/277 / NL-470G**  
4" New Construction Housing, 277V input - 12V output - fully adjustable elbow MR16 trim

Catalog Number	Input Volt	Maximum Wattage	WSEC Airtight
NL-401Q	120V	50W	No
NL-401QAT	120V	50W	Yes
NL-401/75	120V	75W	No
NL-401/277	277V	50W	No
NL-401/75/277	277V	75W	No

*For remote transformer, specify /N suffix      Ordering example: NL-401Q/N*

### DIMENSIONS



<b>A: Length</b>	10"	(26cm)
<b>B: Width</b>	5-3/4"	(147mm)

<b>C: Depth</b>	<b>50W</b>	5-5/8"	(143mm)
	<b>75W</b>	6-5/8"	(169mm)
<b>D: Ceiling Cutout</b>		4-3/8"	(112mm)

TRIMS

Item No	Description	Trim Finish	Ring Finish
<b>HIGH TECH TRIM REFLECTORS</b>			
NL-410	Metal Stepped Baffle	White	W, CO, N
NL-410P	Phenolic Stepped Baffle	White	White
NL-411	Metal Stepped Baffle	Black	White
NL-411P	Phenolic Stepped Baffle	Black	White
NL-412	Reflector	Gold	W, G
NL-413	Reflector	Black	W, B
NL-414	Reflector	Chrome	W, C
NL-416	Reflector	White	White
NL-418	Eyeball	CO, N, W, B Baffle	W, N, CO
NL-419	Eyeball	Chrome, Gold	C, G
NL-420	Pinhole Baffle	Black	White
NL-421	Pinhole Baffle	White	White
NL-422	Shower Trim with Albalite Lens	B, C, G, W, N	N/A*
NL-423	Shower Trim with Fresnel Lens	B, C, G, W, N	N/A*
NL-424	Shower Trim with Drop Opal	B, C, G, W, N	N/A*
NL-425	Shower Trim with Frosted Dome	B, C, G, W, N	N/A*
NL-440	Pinhole	W, B, C, G	N/A*
NL-445	Slot Aperture	W, B	N/A*
NL-448	Baffle, White Scoop Wall Wash	Black	White
NL-449	Baffle, White Scoop Wall Wash	White	White
NL-450	Reflector White Scoop Wall Wash		White
NL-463	Adjustable Eyeball with Baffle	WB, BB, CB, GB, WW	N/A*
NL-465	Surface Adjustable	W, B, C, G, CO, N	N/A*
NL-468	Baffle Recessed Adjustable 45	B, W	W
NL-469	Reflector Recessed Adjustable 45	B, C, G, W, CO, N	N/A*
NL-470	Fully Adjustable Elbow	W, B, C, G, CO, N	N/A*
NL-490	Adjustable Drop Gimbal	W, B	N/A*
NL-491	Adjustable Spot	W, B, CO, N	N/A*
<b>DECORATIVE ACRYLIC</b>		<b>Center Piece Finish</b>	
NL-460	Octagonal	Gold	N/A*
NL-461	Round	Gold	N/A*
NL-462	Square	Gold	N/A*
<b>FROSTED GLASS</b>		<b>Glass Color</b>	
NL-495	Metropolitan Moon	White, Pink, Blue	N/A*
NL-496	Metropolitan Stepped	White, Pink, Blue	N/A*
NL-497	Metropolitan Ice Lite	White, Pink, Blue	N/A*

Trim ring finish: (W) White, (B) Black, (C) Chrome, (G) Gold, (CO) Copper, (N) Natural Metal  
 N/A\*: Ring finish automatically matches trim finish or ring does not exist for that trim.