NLR-403S Series
4" Shallow Low Voltage Remodel Housing
with Adjustable Trims
Lamp: 50W MR16

PRODUCT DESCRIPTION
Four inch low voltage shallow housing with integral transformer for use in existing sheet rock ceilings.

FEATURES
• Low 3-1/2" profile for shallow plenums
• No above-ceiling access required
• Quick connectors provided
• UL Listed for through branch circuit wiring
• UL Listed for use in damp location
• Extensive selection of decorative trims

CONSTRUCTION
Housing
0.050 white baked enamel one-piece drawn steel housing. 0.050 galvanized structural steel arm and wireway connects housing to junction box. Thermal protection device is located on junction box.

Mounting
Four high tension/memory steel springs secure the housing to an existing sheet rock ceiling. Accommodates ceiling thickness to 7/8" (22mm).

Clearance
Insulation must be kept a minimum of 3" from every surface of the fixture housing.

ELECTRICAL SYSTEM
Transformer
Magnetic Class H transformer, 12V output installed onto junction box. Also available in electronic, specify suffix “/1EL” for 120V.

Wiring
Steel wire carry leads from junction box and transformer into the housing. Wire leads are encased in Teflon insulation extending flush to the bottom flange of the housing, terminating at the MR16 socket and plate. Socket extends 1" below the fixture to assist in lamping and insertion of decorative trim.

Junction Box
Integrated 22 cubic inch junction box 0.060 galvanized steel with six 3/4" knockouts and four Romex® pryouts. A green wire is provided for installations with ground wire fed through PVC pipe conduit.

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

Trim
Full assortment of decorative gimbal rings are available for an aesthetic, low profile ceiling finish. Includes tempered clear glass lens and foam gasket. Three tension spring clips riveted to trim ring secure trim to housing. White ring is standard.

Create a complete fixture/trim catalog number:  Example: NLR-403S/1EL / NL-463BB

<table>
<thead>
<tr>
<th>Housing - select one from each column</th>
<th>Adjustable Trims - select appropriate finish or ring</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Catalog No.</strong></td>
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<tr>
<td>NLR-403S (Blank) = Magnetic</td>
<td>B = Black</td>
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<tr>
<td>EL = Electronic</td>
<td>BZ = Bronze</td>
</tr>
<tr>
<td><strong>Transformer</strong></td>
<td><strong>Baffle/Finish</strong></td>
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<tr>
<td>Magnetic</td>
<td>C = Chrome</td>
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<tr>
<td>EL = Electronic</td>
<td>CD = Copper</td>
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<td></td>
<td>G = Gold</td>
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<td>N = Natural Metal</td>
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<td>W = White</td>
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NLR-403S Adjustable Trims

**NL-418 - Adjustable Eyeball with Baffle**

- **4-3/4”**
- Eyeball: Black (B), Bronze (BZ), Copper (CO), Natural Metal (N), White (W)
- Baffle: Black (B), Bronze (BZ), Copper (CO), Natural Metal (N), White (W)
- Trim OD: 4-3/4”
- Lamp: 50W Max.
- Example: NL-418CO - Copper Adjustable Eyeball with Copper Baffle

**NL-419 - Adjustable Eyeball with Black Baffle**

- **4-3/4”**
- Eyeball: Chrome (C), Gold (G)
- Baffle: Black
- Trim OD: 4-3/4”
- Lamp: 50W Max.
- Example: NL-419G - Gold Adjustable Eyeball with Black Baffle

**NL-463 - Adjustable Eyeball with Baffle & Ring**

- **4-3/4”**
- Eyeball: Black (B), Bronze (BZ), Chrome (C), Copper (CO), Gold (G), Natural Metal (N), White (W)
- Baffle: Black (B), White (W)
- Ring: Black (B), Bronze (BZ), Copper (CO), Natural Metal (N), White (W)
- Trim OD: 4-3/4”
- Lamp: 50W Max.
- Example: NL-463CO - Copper Adjustable Eyeball with Black Baffle & Copper Ring

**NL-418C0 - Adjustable Eyeball with Copper Baffle**

**NL-467 - Surface Adjustable with Baffle**

- **4-3/4”**
- Adjustable: Chrome (C), Gold (G), Natural Metal (N), White (W)
- Baffle: Black (B), White (W)
- Trim OD: 4-3/4”
- Lamp: 50W Max.
- Example: NL-467N - Natural Metal Surface Adjustable with Black Baffle

**NL-490 - Adjustable Drop Gimbal Ring**

- **4-3/4”**
- Finish: Black (B), Bronze (BZ), Chrome (C), Copper (CO), Gold (G), Natural Metal (N), White (W)
- Trim OD: 4-3/4”
- Lamp: 50W Max.
- Example: NL-490B - Black Adjustable Drop Gimbal Ring

**NL-490B - Black Adjustable Drop Gimbal Ring**

**NL-491 - Adjustable Spot**

- **4-3/4”**
- Finish: Black (B), Natural Metal (N), White (W)
- Trim OD: 4-3/4”
- Lamp: 50W Max.
- Example: NL-491B - Black Adjustable Drop Gimbal Ring

**NL-465 - Surface Adjustable**

- **4-3/4”**
- Finish: Black (B), Bronze (BZ), Chrome (C), Copper (CO), Gold (G), Natural Metal (N), White (W)
- Trim OD: 4-3/4”
- Lamp: 50W Max.
- Example: NL-465B - Black Surface Adjustable