Introducing new and improved BeveLED Mini, the smallest member of our iconic BeveLED family. BeveLED Mini has been infused with upgraded performance for superior light in every application. Now available with the following features, by popular demand:

**FEATURES**
- Upgraded performance and more LED color options than ever before!
- Field Flexibility - it's now easy to change trim in the field between trimmed, trimless and millwork
- Dry/damp/wet location rated for bathrooms and showers, including trimless and millwork
- More dimming options and all color technologies available
- Clear overspray protector for installation convenience
- Full family platform
- Iconic beveled look

**DOWNLIGHT PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>DELIVERED PERFORMANCE</th>
<th>LED COLOR CHOICES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Source Lumens:</strong></td>
<td><strong>Classic White</strong></td>
</tr>
<tr>
<td>9W</td>
<td>15W</td>
</tr>
<tr>
<td>1175</td>
<td>1825</td>
</tr>
<tr>
<td><strong>Lumens Per Watt:</strong></td>
<td></td>
</tr>
<tr>
<td>82</td>
<td>82</td>
</tr>
<tr>
<td><strong>Delivered Lumens:</strong></td>
<td></td>
</tr>
<tr>
<td>750</td>
<td>1150</td>
</tr>
</tbody>
</table>

*Based on 3000K, 80+ CRI. Performance varies for each specific beamspread and color temperature. See IES files for exact values at usailighting.com.

**CORRELATED COLOR TEMPERATURE MULTIPLIER**

<table>
<thead>
<tr>
<th>Color Rendering Index:</th>
<th><strong>Classic White</strong></th>
<th><strong>Warm Glow Dimming</strong></th>
<th><strong>Color Select</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>90+</td>
<td>90+</td>
<td>90+</td>
</tr>
<tr>
<td>3000K</td>
<td>90+</td>
<td>90+</td>
<td>90+</td>
</tr>
<tr>
<td>3500K</td>
<td>90+</td>
<td>90+</td>
<td>90+</td>
</tr>
<tr>
<td>4000K</td>
<td>90+</td>
<td>90+</td>
<td>90+</td>
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</tbody>
</table>

**Multiplier for Lumen**

<table>
<thead>
<tr>
<th>Color Rendering Index:</th>
<th><strong>Warm Glow Dimming</strong></th>
<th><strong>Color Select</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>90+</td>
<td>90+</td>
</tr>
<tr>
<td>3000K</td>
<td>90+</td>
<td>90+</td>
</tr>
<tr>
<td>3500K</td>
<td>90+</td>
<td>90+</td>
</tr>
<tr>
<td>4000K</td>
<td>90+</td>
<td>90+</td>
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</tbody>
</table>

**Multiplier for Lumen**

<table>
<thead>
<tr>
<th>Color Rendering Index:</th>
<th><strong>Warm Glow Dimming</strong></th>
<th><strong>Color Select</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>90+</td>
<td>90+</td>
</tr>
<tr>
<td>3000K</td>
<td>90+</td>
<td>90+</td>
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<tr>
<td>3500K</td>
<td>90+</td>
<td>90+</td>
</tr>
<tr>
<td>4000K</td>
<td>90+</td>
<td>90+</td>
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</tbody>
</table>

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**HOW TO SPECIFY**

**BeveLED Mini® Complete - B3RC**

3” Round Deep Regress Downlight with Integral Driver Housings

Specify fixture part number. (All boxes must be filled in to correctly order)

<table>
<thead>
<tr>
<th>BeveLED Trim Style</th>
<th>Wattage Options</th>
<th>LED Color Options</th>
<th>Beam Options</th>
<th>Lens Options</th>
<th>Bevel Trim Finish Options</th>
<th>Housing Options</th>
<th>Voltage Options</th>
<th>Dimming Driver Options</th>
<th>Accessories (Optional)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>09X3 9W LED</td>
<td>Classic White Light</td>
<td>30° beam</td>
<td>S (Solite (provided standard))</td>
<td>WH White</td>
<td>NC1 New Construction All-in-One</td>
<td>UNV 120V-277V</td>
<td>For use with Universal Voltage 120V - 277V</td>
<td>CB27 27” C-Channel Bars</td>
</tr>
<tr>
<td></td>
<td>15X3 15W LED</td>
<td></td>
<td>40° beam</td>
<td>SC (Conduit Silver)</td>
<td>SC Conduit Silver</td>
<td>NCCP Chicago Plenum</td>
<td></td>
<td>No Additional Charge</td>
<td>CB32 32” C-Channel Bars</td>
</tr>
<tr>
<td></td>
<td>20X3 20W LED</td>
<td></td>
<td>50° beam</td>
<td>GR (Grey)</td>
<td>GR Grey</td>
<td>NCIC Insulation Contact Rated / Airlight</td>
<td></td>
<td>D22 ERP 0-10V, 1% (2)</td>
<td>CB52 52” C-Channel Bars</td>
</tr>
<tr>
<td>L</td>
<td>27KS 2700K, 80+ CRI</td>
<td></td>
<td></td>
<td>BL (Black)</td>
<td>BL Black</td>
<td></td>
<td></td>
<td>D6E EldoLED 0-10V, 1%</td>
<td>EM Emergency Battery</td>
</tr>
<tr>
<td></td>
<td>27KH 2700K, 90+ CRI</td>
<td></td>
<td></td>
<td>BZ (Bronze)</td>
<td>BZ Bronze</td>
<td></td>
<td></td>
<td>D6F EldoLED 0-10V, 1%</td>
<td>Wet Location (6)</td>
</tr>
<tr>
<td></td>
<td>27KU 2700K, 95+ CRI</td>
<td></td>
<td></td>
<td>PR (Primer Finish)</td>
<td>PR Primer Finish</td>
<td></td>
<td></td>
<td>D4A Lutron ECO, 0.1% (1, 2)</td>
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</tr>
<tr>
<td></td>
<td>30KS 3000K, 80+ CRI</td>
<td></td>
<td></td>
<td>AC (Clear Matte Anodized)</td>
<td>AC Clear Matte Anodized</td>
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<td></td>
<td>D4E Lutron 5 ECO, 5% (1, 2, 3)</td>
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<tr>
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<td>30KH 3000K, 90+ CRI</td>
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<td>WH (White)</td>
<td>WH White</td>
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<td>D4H Lutron H ECO, 1% Fade (1, 2, 3)</td>
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<tr>
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<td>30KU 3000K, 95+ CRI</td>
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<td>BL (Black)</td>
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<td></td>
<td>D4P Lutron ECO, 1%</td>
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<tr>
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<td>35KS 3500K, 80+ CRI</td>
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<td>GR (Grey)</td>
<td>GR Grey</td>
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<td></td>
<td>D6A EldoLED 0-10V, 0.1%</td>
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<tr>
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<td>35KH 3500K, 90+ CRI</td>
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<td>BZ (Bronze)</td>
<td>BZ Bronze</td>
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<td>D6B EldoLED 0-10V, 0.1%</td>
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<tr>
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<td>35KU 3500K, 95+ CRI</td>
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<td>PR (Primer Finish)</td>
<td>PR Primer Finish</td>
<td></td>
<td></td>
<td>D7 EldoLED DALI, 0.1%</td>
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<tr>
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<td>40KS 4000K, 80+ CRI</td>
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<td>AC (Clear Matte Anodized)</td>
<td>AC Clear Matte Anodized</td>
<td></td>
<td></td>
<td>D18 Moons’ DMX, 0.1% (2, 3, 7)</td>
<td>* Residential grade nailer bars provided standard</td>
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<tr>
<td></td>
<td>40KH 4000K, 90+ CRI</td>
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<td>WH (White)</td>
<td>WH White</td>
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<td></td>
<td>120V For use with 120V only</td>
<td>CB27 27” C-Channel Bars</td>
</tr>
<tr>
<td></td>
<td>40KU 4000K, 95+ CRI</td>
<td></td>
<td></td>
<td>BL (Black)</td>
<td>BL Black</td>
<td></td>
<td></td>
<td>No Additional Charge</td>
<td>CB32 32” C-Channel Bars</td>
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<tr>
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<td></td>
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<td></td>
<td>GR (Grey)</td>
<td>GR Grey</td>
<td></td>
<td></td>
<td>D22 ERP Phase 2-wire, 1% (2)</td>
<td>CB52 52” C-Channel Bars</td>
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<tr>
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<td></td>
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<td>BZ (Bronze)</td>
<td>BZ Bronze</td>
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<td></td>
<td>D3 Lutron 2-wire, 1% (5)</td>
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<tr>
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<td>PR (Primer Finish)</td>
<td>PR Primer Finish</td>
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<td></td>
<td>347V For use with 347V only</td>
<td>EM Emergency Battery</td>
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<tr>
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<td>AC (Clear Matte Anodized)</td>
<td>AC Clear Matte Anodized</td>
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<td></td>
<td>D15 0-10V dim, 1% 347V only (1, 2, 3)</td>
<td>Wet Location (6)</td>
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<td></td>
<td>WH (White)</td>
<td>WH White</td>
<td></td>
<td></td>
<td>120V For use with 120V only</td>
<td>CB27 27” C-Channel Bars</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BL (Black)</td>
<td>BL Black</td>
<td></td>
<td></td>
<td>No Additional Charge</td>
<td>CB32 32” C-Channel Bars</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td>GR (Grey)</td>
<td>GR Grey</td>
<td></td>
<td></td>
<td>D22 ERP Phase 2-wire, 1% (2)</td>
<td>CB52 52” C-Channel Bars</td>
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<tr>
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<td></td>
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<td></td>
<td>BZ (Bronze)</td>
<td>BZ Bronze</td>
<td></td>
<td></td>
<td>D3 Lutron 2-wire, 1% (5)</td>
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</tr>
<tr>
<td>M</td>
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<td>PR (Primer Finish)</td>
<td>PR Primer Finish</td>
<td></td>
<td></td>
<td>347V For use with 347V only</td>
<td>CB27 27” C-Channel Bars</td>
</tr>
<tr>
<td></td>
<td>20W LED</td>
<td></td>
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<td>AC (Clear Matte Anodized)</td>
<td>AC Clear Matte Anodized</td>
<td></td>
<td></td>
<td>No Additional Charge</td>
<td>CB32 32” C-Channel Bars</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>WH (White)</td>
<td>WH White</td>
<td></td>
<td></td>
<td>D22 ERP Phase 2-wire, 1% (2)</td>
<td>CB52 52” C-Channel Bars</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BL (Black)</td>
<td>BL Black</td>
<td></td>
<td></td>
<td>D3 Lutron 2-wire, 1% (5)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>GR (Grey)</td>
<td>GR Grey</td>
<td></td>
<td></td>
<td>347V For use with 347V only</td>
<td>EM Emergency Battery</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BZ (Bronze)</td>
<td>BZ Bronze</td>
<td></td>
<td></td>
<td>D15 0-10V dim, 1% 347V only (1, 2, 3)</td>
<td>Wet Location (6)</td>
</tr>
</tbody>
</table>

**Notes:**
1. Not available for Warm Glow.
2. Not available for Color Select
3. Not available with 9W
4. Only up to 15W max with NCIC housing
5. Requires above ceiling access for service
6. Not available with 347V NC1 housing only

**TRIM FINISH OPTIONS**

- White
- Grey
- Black
- Bronze
- Custom RAL (example)
- Custom RAL (example)

Custom colors and primer finish also available

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Revised 10/03/2019
### BeveLED Mini® Complete - B3RC

#### 3” Round Deep Regress Downlight with Remote Driver

1. Specify fixture part number. (All boxes must be filled in to correctly order)

<table>
<thead>
<tr>
<th>BeveLED Trim Style</th>
<th>Wattage Options</th>
<th>LED Color Options</th>
<th>Beam Options</th>
<th>Lens Options</th>
<th>Bevel Trim Finish Options</th>
<th>Remote Dimming Driver</th>
<th>Accessories (Optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>09X3 9W LED</td>
<td>Classic White</td>
<td>30º beam</td>
<td>S</td>
<td>WH White</td>
<td>RM Remote Dimming</td>
<td>CB27 32” C-Channel Bars</td>
</tr>
<tr>
<td></td>
<td>15X3 15W LED</td>
<td></td>
<td>40º beam</td>
<td>SF</td>
<td>SC Conduit Silver</td>
<td></td>
<td>CB32 32” C-Channel Bars</td>
</tr>
<tr>
<td></td>
<td>20X3 20W LED</td>
<td></td>
<td>50º beam</td>
<td>BF</td>
<td>BL Black</td>
<td></td>
<td>CB52 32” C-Channel Bars</td>
</tr>
<tr>
<td>L</td>
<td>09X3 9W LED</td>
<td>Solite</td>
<td>30º beam</td>
<td>N</td>
<td>WH White</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>15X3 15W LED</td>
<td></td>
<td>40º beam</td>
<td>SF</td>
<td>SC Conduit Silver</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20X3 20W LED</td>
<td></td>
<td>50º beam</td>
<td>BF</td>
<td>BL Black</td>
<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Housing Options</th>
<th>RM Remote Dimming Driver</th>
<th>Remote Emergency Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC1</td>
<td></td>
<td>EM7 Battery requires</td>
</tr>
<tr>
<td>NCCP</td>
<td></td>
<td>remote enclosure by</td>
</tr>
<tr>
<td></td>
<td></td>
<td>others, minimum size</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remote Dimming Type and Level</th>
<th>Remote Emergency Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>D4A Lutron ECO, 0.1% (1)</td>
<td>EM7 Battery requires</td>
</tr>
<tr>
<td>D4E Lutron 5 ECO, 5% (1, 2)</td>
<td>remote enclosure by</td>
</tr>
<tr>
<td>D4H Lutron H ECO, 1% Fade (1, 2)</td>
<td>others, minimum size</td>
</tr>
<tr>
<td>D4P Lutron ECO, 1%</td>
<td>14.5” L x 6.5” W x</td>
</tr>
<tr>
<td>D6A ElcoLED 0-10V, 0.1%</td>
<td>3” H</td>
</tr>
<tr>
<td>D6B ElcoLED 0-10V, 0.1%</td>
<td></td>
</tr>
<tr>
<td>D6E ElcoLED 0-10V, 1%</td>
<td></td>
</tr>
<tr>
<td>D6F ElcoLED 0-10V, 1%</td>
<td></td>
</tr>
<tr>
<td>D7 ElcoLED DALL, 0.1%</td>
<td></td>
</tr>
<tr>
<td>D18 Moons DMX, 0.1% (2)</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Remote Power Supplies Require Enclosures by Others. See Page 6 for Details.

2. Specify Remote Power Supply

<table>
<thead>
<tr>
<th>Remote Power Supply</th>
<th>Wattage Options</th>
<th>Voltage</th>
<th>Remote Dimming Type and Level</th>
<th>Remote Emergency Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPB-01</td>
<td>09X3 9W LED</td>
<td>UNV 120V - 277V</td>
<td>D4A Lutron ECO, 0.1% (1)</td>
<td>EM7 Battery requires</td>
</tr>
<tr>
<td>RPB-01</td>
<td>15X3 15W LED</td>
<td></td>
<td>D4E Lutron 5 ECO, 5% (1, 2)</td>
<td>remote enclosure by</td>
</tr>
<tr>
<td>RPB-01</td>
<td>20X3 20W LED</td>
<td></td>
<td>D4H Lutron H ECO, 1% Fade (1, 2)</td>
<td>others, minimum size</td>
</tr>
</tbody>
</table>

**NOTE:** Remote Power Supplies Require Enclosures by Others. See Page 6 for Details.

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Revised 10/03/2019
TRIM DETAILS

Trimmed - B3RCF

Clear acrylic overspray protector provided standard with every housing to keep out dust and contaminants during construction. Allows for use as work light.

HOUSING OPTIONS

New Construction Housing - NC1
Insulation-Contact Rated - NCIC
Chicago Plenum Rated - NCCP
**Trimless - B3RCL**

### HOUSING OPTIONS

- **New Construction Housing - NC1**
- **Insulation-Contact Rated - NCIC**
- **Chicago Plenum Rated - NCCP**

Clear acrylic overspray protector provided standard with every housing to keep out dust and contaminants during construction. Allows for use as work light.

Beveled Mini® Complete - B3RC

3” Round Deep Regress Downlight

TRIM DETAILS

Bevel Finish
Glass Lens

1 1/4” Regress
3 3/8” Ø

USAI LIGHTING HEADQUARTERS
1126 River Road
New Windsor, NY 12553
info@usailighting.com

USAI LIGHTING COLLABORATORY
13 Crosby Street
New York, NY 10013
845-234-4090
showroom@usailighting.com

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Revised 10/03/2019
**Millwork - B3RCM**

- **Bevel Trim Finish**
- Millwork collar finish provided to match bevel finish unless otherwise specified.
- **Glass Lens**

**HOUSING OPTIONS**

- **New Construction Housing - NC1**
- **Insulation-Contact Rated - NCIC**
- **Chicago Plenum Rated - NCCP**

Clear acrylic overspray protector provided standard with every housing to keep out dust and contaminants during construction. Allows for use as work light.

**Dimensions**:
- **17/8" Regress**
- **1/16"**
- **33/8" Ø**
- **31/2" Ø**
- **67/8"**
- **191/8"**

- **OPTIONAL EM**
- **11/8" Max Ceiling Thickness**

BeveLED Mini® Complete - B3RC

3” Round Deep Regress Downlight

USAI LIGHTING HEADQUARTERS
1126 River Road
New Windsor, NY 12553
T: 845-565-8500  F: 845-561-1130
info@usailighting.com

USAI LIGHTING COLLABORATORY
13 Crosby Street
New York, NY 10013
845-234-4090
showroom@usailighting.com

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Revised 10/03/2019
BEVELED MINI SPECIFICATIONS

FIELD REPLACEABLE LED LIGHT ENGINE
is serviceable through the aperture with a Phillips screwdriver. All USAI Lighting light engines feature industry-leading color consistency.

FIELD REPLACEABLE INTEGRAL DRIVER
Unless otherwise specified, a 0-10V, 100%-1% solid state electronic constant current integral D22 dimming driver with a high power factor is provided standard and sources 2mA. All integral dimming drivers are located within the fixture housing and are serviceable from below the ceiling through the aperture. Some on-time delay may be experienced depending on control system used. All dimming drivers comply with IEEE C62.41 surge protection.

INTEGRAL EMERGENCY BATTERY
An integral emergency battery pack is available as an option with the NC1 housing and integral driver/power supply only. IOTA emergency battery provides backup power for 90 minutes. NC1 fixtures are provided with an integral emergency battery that requires above ceiling access for service, and a remote test switch, which comes with a 24” lead length for location of the test switch. Remote EM test switch is dry/damp only; select EMW emergency option for a wet location-rated EM test switch. Fixtures that have no USAI EM option may be connected to an inverter (by others) for emergency lighting. Battery is not available with 347V.

REMOTE LOCATION DRIVER
Beveled Mini is available for use with remotely located driver. Driver is provided separately for remote location on site, enclosure to be provided by others. Remote dimming driver power supply option must be clearly specified in the “RP” table. Remote power supplies require enclosures by others that meet local codes and must be located in an accessible service panel within 100ft of the light fixture; see remote driver table below for coordination of enclosure sizes and wire gauges required. All dimming drivers comply with IEEE C62.41 surge protection.

Remote Power Supply Requirements and Wiring Diagram
enclosure sizes and wire gauge with 1 fixture per power supply.

<table>
<thead>
<tr>
<th>Remote Power Supply Dimming Option</th>
<th>Wire Gauge Required*</th>
<th>Minimum Enclosure Size Required (by others)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP-01-09X3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNV-D4A</td>
<td>Lutron ECO, 0.1% (1)</td>
<td>14/12</td>
</tr>
<tr>
<td>UNV-D4E</td>
<td>Lutron 5 ECO, 5% (1, 2)</td>
<td></td>
</tr>
<tr>
<td>UNV-D4H</td>
<td>Lutron H ECO, 1% fade (1, 2)</td>
<td></td>
</tr>
<tr>
<td>UNV-D4P</td>
<td>Lutron ECO, 1%</td>
<td></td>
</tr>
<tr>
<td>UNV-D6A</td>
<td>EldoLED 0-10V, 0.1%</td>
<td></td>
</tr>
<tr>
<td>UNV-D6B</td>
<td>EldoLED 0-10V, 0.1%</td>
<td>18/16</td>
</tr>
<tr>
<td>UNV-D6E</td>
<td>EldoLED 0-10V, 1%</td>
<td></td>
</tr>
<tr>
<td>UNV-D6F</td>
<td>EldoLED 0-10V, 1%</td>
<td></td>
</tr>
<tr>
<td>UNV-D7</td>
<td>EldoLED DALI 0.1%</td>
<td>14/12</td>
</tr>
<tr>
<td>UNV-D18</td>
<td>Moons DMX, 0.1% (2)</td>
<td></td>
</tr>
<tr>
<td>120V-D3</td>
<td>Lutron 2-wire phase</td>
<td>14/12</td>
</tr>
<tr>
<td>120V-D19</td>
<td>Hatch 2-wire phase</td>
<td>14/12</td>
</tr>
</tbody>
</table>

1 Not available for Warm Glow
2 Not available for 9W

Not all dimming options are available with all LED light engine options. See RP ordering table for details.

* Wire gauge 14/12 = Maximum distance from light fixture to remote power supply is 100’ using 12 gauge wire, 50’ using 14 gauge wire.
* Wire gauge 18/16 = Maximum distance from light fixture to remote power supply is 100’ using 16 gauge wire, 50’ using 18 gauge wire.
** Emergency battery remote power supplies cannot be located any more than 50 feet from light fixture.

Note: All light fixtures must be wired in homeruns per wiring diagram below.
HOUSING
All BeveLED Mini fixtures are field-flexible which allows for field changes from trimless or millwork to trimmed with a simple components change with parts from USAI. Housings are fabricated of 20 ga. steel construction with thru wire J-box, 4 in 4 out at min. 90°C, #12 AWG thru branch circuit wiring. NCIC housing for use with 9W, 12W, and 15W light engines only are rated for direct contact with spray foam insulation of R-42 or less.

MOUNTING
B3RCF overlap flange fixtures are designed for use in sheetrock, acoustical ceiling tile, and many other ceiling materials. B3RCL trimless fixtures are provided with a spackle collar and are designed for use in sheetrock/mud-in ceiling applications. B3RCM millwork fixtures are provided with a millwork collar and are designed for use in wood/millwork and stone construction applications. Butterfly brackets and adjustable nailer bars extendible from 14” to 24” centers with integral nails are provided standard for attachment to building structure. C-channel bars are optionally available for acoustical ceiling applications.

Residential-grade nailer bars provided standard.

FIXTURE WEIGHT
NC1, NCIC, and NCCP housings weigh 11 lbs. NC1 housing with EM weighs 14 lbs.

WARRANTY
Based on IESNA LM80-2008, BeveLED has a 50,000 hour rated life at 70% lumen maintenance (L70). USAI Lighting Warranty covers replacement parts for 5 years from date of shipment. Ambient temperatures at fixture location should not exceed 40°C during normal operation.

CEILING CUT OUT
B3RCF Trimmed with Overlap Flange: 3-1/2”Ø
B3RCL Trimless Spackle-in: 4-1/16”Ø
B3RCM Millwork Knife-edge: 3-9/16”Ø

LISTINGS
Dry/Damp/Wet location. AC and AB trim finishes are dry/damp only. EM test switch is dry/damp only. Select EMW option for wet location remote test switch. UL2043 rated for use in air handling plenums. NRTL/CSA-US tested to UL standards. IBEW union made.

NOTES
• Not for use in corrosive environment
• Use of pressure washer voids warranty

PHOTOMETRICS
Consult factory or website for IES files. Tested in accordance with IESNA LM79.
BevelLED Mini® Complete - B3RC
3” Round Deep Regress Downlight

LED COLOR OPTIONS

Classic White Light
Our proprietary LED light engines achieve a 2-step MacAdam ellipse along the black body locus, resulting in reliable and uniform color from fixture to fixture. You’ll see the results in consistently beautiful light throughout your space, whichever USAI LED product you specify.

Warm Glow® Dimming
Warm Glow Dimming provides warmth and glow once possible only in dimmed incandescent sources. Utilizing our patented proprietary algorithm and circuitry, Warm Glow Dimming technologies precisely mimic the black body curve of a standard 100W A19 lamp by gradually transitioning from 2700K, 3000K or 3500K down to 2200K. The result is virtually indistinguishable from an incandescent light source.

Color Select® Tunable White
Color Select represents the next innovation in color temperature control for advanced LED recessed downlighting. Color Select® products allow users to adjust color temperature from 6000K down to 2200K while independently adjusting intensity to achieve ultimate control over the quality of light in a space with a single fixture type. Color Select interfaces with standard dimming and control systems.
NOTES:
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

IMPORTANT SAFETY INSTRUCTIONS
- SAVE THESE INSTRUCTIONS
1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

D3 / DIML3 LED: Lutron Hi-Lume A-Series 2 Wire Fwd Phase (with neutral) / LED Dimming Driver Wiring (Dims down to 1%) 120V

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Part Number</th>
<th>Dimmed Light Output Range</th>
<th>Qty Fixtures Per Dimmer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V Only</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETC</td>
<td>Sensor+ Cabinet</td>
<td>ELV10</td>
<td>100% - 1%</td>
<td>1 – 26</td>
</tr>
<tr>
<td>ETC</td>
<td>Unison DRd Cabinet</td>
<td>ELV10</td>
<td>100% - 1%</td>
<td>1 – 26</td>
</tr>
<tr>
<td>Lutron</td>
<td>Maestro Wireless® 600W dimmer</td>
<td>MRF2-6ND-120-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>HomeWorks® QS adaptive dimmer</td>
<td>HDRD-6NA-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>HomeWorks® QS 800W dimmer</td>
<td>HDRD-6ND-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>HomeWorks® QS 1000 W dimmer</td>
<td>HDRD-10ND-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>Caseta Wireless® Pro 1000W dimmer</td>
<td>PD-10NXD-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>Stanza® dimmer</td>
<td>SZ-6ND-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>RadioRA® 2 adaptive dimmer</td>
<td>RRD-6NA-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>RadioRA® 2 1000 W dimmer</td>
<td>RRD-10ND-</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>myRoom DIN power module</td>
<td>MQSE-4A1-D</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>HomeWorks® QS wallbox power module</td>
<td>HQRJ-WPM-6D-120-</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>Homeworks® DIN power module</td>
<td>LGSE-4A1-D</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>HomeWorks® wallbox power module</td>
<td>HWI-WPM-6D-120-</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>GRAFIK Eye® Q control unit</td>
<td>QSGR-, QSGRJ-</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>GRAFIK Eye® 3000 control unit</td>
<td>GRX-3100-, GRX-3500-</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>RPM-4U module</td>
<td>HW-RPM-4U-120, LP-RPM-4U-120</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>RPM-4A module</td>
<td>HW-RPM-4A-120, LP-RPM-4A-120</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>GP dimming panels</td>
<td>Various</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>Ariadni CL 250W dimmer</td>
<td>AYCL-253P-</td>
<td>100%-1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>Diva CL 250W dimmer</td>
<td>DVCL-253P-, DVSCCL-253P-</td>
<td>100%-1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>Grafik T CL or RF CL dimmer</td>
<td>GT-250M-, GTJ-250M-</td>
<td>100%-1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>Nova T CL 250W dimmer</td>
<td>NTCL-250-</td>
<td>100%-1%</td>
<td>1 – 10</td>
</tr>
</tbody>
</table>

* NOTE: Refer to dimmer manufacturer’s documentation for installation instructions and circuit details.

**DIMMING DRIVER WIRING SCHEMES:**

**DIMMING DRIVER COMPATIBILITY SELECTION GUIDE**

**D3 / DIML3**

**2 WIRE PHASE DIMMING**

<table>
<thead>
<tr>
<th>LINE</th>
<th>NEUTRAL</th>
<th>GROUND</th>
</tr>
</thead>
</table>

**SWITCHED HOT**

**WHITE**

**GREEN**

**RED**

**BLACK**

**FIXTURE**

**LED**
DIMMING DRIVER WIRING SCHEMES:

NOTES:
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

IMPORTANT SAFETY INSTRUCTIONS
- SAVE THESE INSTRUCTIONS
1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
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4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

D4A / DIML4A LED: Lutron Hi-Lume Premier EcoSystem LED Driver (Dims down to 0.1%)
D4P / DIML4P LED: Lutron Hi-Lume Premier EcoSystem LED Driver (Dims down to 1%)

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Part Number</th>
<th>Maximum Quantity Light Fixtures Per Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lutron</td>
<td>PowPak dimming module</td>
<td>RMJ-EC022-DV-B</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FCJ/FCJS-ECO</td>
<td>3</td>
</tr>
<tr>
<td>Energi Savr Node</td>
<td>GSN-1ECO-S</td>
<td>GSN-2ECO-S</td>
<td>64</td>
</tr>
<tr>
<td>GRAFIK Eye QS/ Homewrks QS control unit</td>
<td>QSGRJ_.E, QSGR_.E</td>
<td>QSGR_.E</td>
<td>64</td>
</tr>
<tr>
<td>Quantum Hub</td>
<td>QP2_..2C</td>
<td>QP2_..4C</td>
<td>QP2_..6C</td>
</tr>
<tr>
<td>HomeWorks QS / myRoom Plus power module</td>
<td>LOSE-2ECO-D</td>
<td>QSN-1ECO-S</td>
<td>QSN-2ECO-S</td>
</tr>
</tbody>
</table>

* NOTE: Number of fixtures may be higher if wattage is less than maximum values shown. Refer to dimmer manufacturer’s documentation for installation instructions and circuit details.

NOTES:
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

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4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).
## DIMMING DRIVER WIRING SCHEMES:

### D4E / DIML4E and D4H / DIML4H

### DIMMING DRIVER COMPATIBILITY SELECTION GUIDE

#### NOTES:

Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

#### IMPORTANT SAFETY INSTRUCTIONS

- SAVE THESE INSTRUCTIONS

1. Keep these instructions in a safe place for future reference.
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3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

#### D4E / DIML4E LED: Lutron 5 Series EcoSystem LED Driver / LED Dimming Driver Wiring (Dims down to 5%)

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product Description</th>
<th>Output Range</th>
<th>Qty Fixtures Per Control*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lutron</td>
<td>PowPak dimming module RMU-ECO32-DV-B</td>
<td>100%–5%</td>
<td>1–32</td>
</tr>
<tr>
<td>Lutron</td>
<td>Energi Savr Node QSN-1ECO-S, QSN-2ECO-S</td>
<td>100%–5%</td>
<td>1–64</td>
</tr>
<tr>
<td>Lutron</td>
<td>GRAFIK Eye QS (120V ONLY) QSGRJ-_E, QSGR-_E</td>
<td>100%–5%</td>
<td>1–64</td>
</tr>
<tr>
<td>Lutron</td>
<td>Quantum Various</td>
<td>100%–5%</td>
<td>1–64</td>
</tr>
</tbody>
</table>

* NOTE: Number of fixtures may be higher if wattage is less than maximum values shown. Refer to dimmer manufacturer’s documentation for installation instructions and circuit details.

#### D4H / DIML4H LED: Lutron H Series EcoSystem LED Driver with Fade to Black (dims down to 1%)

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product Description</th>
<th>Output Range</th>
<th>Qty Fixtures Per Control*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lutron</td>
<td>PowPak dimming module RMU-ECO32-DV-B</td>
<td>100%–1%</td>
<td>1–32</td>
</tr>
<tr>
<td>Lutron</td>
<td>Energi Savr Node QSN-1ECO-S, QSN-2ECO-S</td>
<td>100%–1%</td>
<td>1–64</td>
</tr>
<tr>
<td>Lutron</td>
<td>GRAFIK Eye QS (120V ONLY) QSGRJ-_E, QSGR-_E</td>
<td>100%–1%</td>
<td>1–64</td>
</tr>
<tr>
<td>Lutron</td>
<td>Quantum Various</td>
<td>100%–1%</td>
<td>1–64</td>
</tr>
</tbody>
</table>

* NOTE: Number of fixtures may be higher if wattage is less than maximum values shown. Refer to dimmer manufacturer’s documentation for installation instructions and circuit details.

#### D4E / DIML4E and D4H / DIML4H EcoSystem CONTROLS

![Diagram of wiring connections](image-url)
**DIMMING DRIVER COMPATIBILITY SELECTION GUIDE**

**D6A / DIML6A and D6E / DIML6E**

**D6B / DIML6B and D6F / DIML6F**

**D6B / DIML6B and D6F / DIML6F LED Dimming Compatibility Table**

- **D6B / DIML6B** and **D6F / DIML6F** are logarithmic-programmed dimming drivers for use with the dimming controls listed in the table below.
- **D6B / DIML6B** = EldoLED SOLOdrive 0-10V control dims from 100% to 0.1%
- **D6F / DIML6F** = EldoLED ECOdrive 0-10V control dims from 100% to 1%

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Part Number</th>
<th>Dimmed Light Output Range</th>
<th>Qty Fixtures*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lutron</td>
<td>Diva</td>
<td>DTFTV/NFTV with PP-20</td>
<td>99% - 0.1% - 1%</td>
<td>Refer to manufacturer’s dimmer load rating for maximum and minimum fixture quantities per dimmer. Enlighted compatible.</td>
</tr>
<tr>
<td>Lutron</td>
<td>Nova T</td>
<td>NFTTV with PP-20</td>
<td>99% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Lutron</td>
<td>Energis Savr Node</td>
<td>QSN-4T16-S</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Lutron</td>
<td>GP Dimming Panels</td>
<td>TVM2 Module</td>
<td>99% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Lutron</td>
<td>Interfaces</td>
<td>GRX-TVI w/GRX3503</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Sensor Switch</td>
<td>nIO</td>
<td>nIO EZ</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Enlighted Control Unit</td>
<td>CU-3E-1R</td>
<td>100% - 0.1% - 1%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**D6A / DIML6A and D6E / DIML6E LED Dimming Compatibility Table**

- **D6A / DIML6A** and **D6E / DIML6E** are linearly programmed dimming drivers for use with the dimming controls listed in the table below.
- **D6A / DIML6A** = EldoLED ECOdrive 0-10V control dims from 100% to 1%
- **D6E / DIML6E** = EldoLED ECOdrive 0-10V control dims from 100% to 1%

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Part Number</th>
<th>Dimmed Light Output Range</th>
<th>Qty Fixtures*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bush-Jaeger</td>
<td>Electronic potentiometer</td>
<td>Z112U-101</td>
<td>100% - 0.1% - 1%</td>
<td>Refer to manufacturer’s dimmer load rating for maximum and minimum fixture quantities per dimmer. Enlighted compatible.</td>
</tr>
<tr>
<td>Jung</td>
<td>Electronic potentiometer</td>
<td>240-10</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Leviton</td>
<td>Iluma Tech dimmer</td>
<td>IP78-0LX</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Lightolier (Philips)</td>
<td>Momentum (120V ONLY)</td>
<td>ZP60FAM120</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Merten</td>
<td>Electronic potentiometer</td>
<td>5729</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Pass &amp; Seymour</td>
<td>Titan</td>
<td>CD4FB-W</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Watt Stopper</td>
<td>Miro</td>
<td>DCLV1</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Synergy</td>
<td>Wallbox Dimmers</td>
<td>ISD BC</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>ABB</td>
<td>i-bus</td>
<td>SD/S 2.16.1</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>Modules</td>
<td>GLX-DIMFLV8, GLX-DIMFLV8</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>Green Light</td>
<td>GLPC-DIMFLV4, GLPC-DIMFLV8</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>Green Light Power Pack</td>
<td>GLPP-1DIMFLVEX-PM, GLPP-1DIMFLVEX-PM, GLPP-1DIMFLV3EX-PM</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>DIN Rail Analog Output Module</td>
<td>DIN-A08</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>DIN Rail 0-10V Fluorescent Dimmer</td>
<td>DIN-4DIMFLV4</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>iLux 0-10V Dimmer Expansion Module</td>
<td>CLS-EXP-DIMFLV</td>
<td>100% - 0.1% - 1%</td>
<td></td>
</tr>
<tr>
<td>Enlighted Control Unit</td>
<td>CU-3E-1R</td>
<td>100% - 0.1% - 1%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DIMMING DRIVER WIRING SCHEMES:**

**NOTES:** Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

---

**DIMMING DRIVER WIRING SCHEMES:**

**0-10V DIMMING W/RELAY TO SWITCH POWER**

**D6 / DIML6**

**0-10V DIMMING (NO RELAY)**

---

**D6 / DIML6**
DIMMING DRIVER WIRING SCHEMES:

NOTES:
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

IMPORTANT SAFETY INSTRUCTIONS
- SAVE THESE INSTRUCTIONS
1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

D7 / DIML7 and D7E Dimming Driver Wiring
D7 / DIML7 and D7E are linearly programmed dimming drivers.
D7 / DIML7 = EldoLED SOLOdrive DALI control dims from 100% to 0.1%
D7E = EldoLED ECOdrive DALI control dims from 100% to 1%

D7 / DIML7 / D7E
DALI CONTROLS

D7 / DIML7 / D7E Dimming Driver Wiring Diagram

- SAVE THESE INSTRUCTIONS
1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).
DIMMING DRIVER WIRING SCHEMES:

NOTES:
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

IMPORTANT SAFETY INSTRUCTIONS
- SAVE THESE INSTRUCTIONS
1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

D15 / DIML15 LED: 0-10V, 347V Dimming Driver Wiring (Dims down to 1%) 347V Only

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Dimmed Light Output Range</th>
<th>Qty Fixtures Per Dimmer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acuity</td>
<td>Synergy ISD-BC</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td>Douglas Lighting</td>
<td>WPN-5721, WPN-5822</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td>Hubbell</td>
<td>Light Hawk2 LHD-IRS3-N347-xx</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td>Leviton</td>
<td>Lumatouch IP710-DLZ with 347V relay</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td>Leviton</td>
<td>Centura Fluorescent Control System</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td>Lutron</td>
<td>Nova NFTV-* dimmer plus 347V relay</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td>Lutron</td>
<td>Diva DVTV-* dimmer plus 347V relay</td>
<td>100% - 1%</td>
<td></td>
</tr>
</tbody>
</table>

* NOTE: Refer to dimmer manufacturer’s documentation for installation instructions and circuit details.

D15 / DIML15 0-10V DIMMING W/RELAY TO SWITCH POWER

NOTE:
If switched, non-dimming operation is desired, cap off purple and gray wires individually at installation. Do NOT cap purple and gray wires together.
DIMMING DRIVER COMPATIBILITY
SELECTION GUIDE
D18

DIMMING DRIVER WIRING SCHEMES:

NOTES:
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

IMPORTANT SAFETY INSTRUCTIONS
- SAVE THESE INSTRUCTIONS
1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

D18 Dimming Driver Wiring
D18 are programmed dimming drivers.
D18 Moons DMX control dims from 100% to 1%

DMX BUS -
SHIELDED DATA CABLE

The data cable used must meet the following requirements:
• type: shielded, 2-conductor twisted pair
• maximum capacitance between conductors: 30 pF/ft
• maximum capacitance between conductor and shield: 55 pF/ft
• maximum resistance: 0.02 ohms/ft
• normal impedance: 100-140 ohms
• conductive core: 24 AWG is recommended

If 3-wire data cables are preferred, we suggest a Belden 9841 or equivalent cable which meets the specifications for EIA RS-485 applications. Do not use standard microphone cables: they cannot transmit DMX512 data reliably over long distances. NOTE: DMX link termination device, provided through Dip Switch on connection board, should be used on last fixture in line on a circuit to avoid signal loss.

D18
DMX CONTROLS
DIMMING DRIVER WIRING SCHEMES:

NOTES:
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

IMPORTANT SAFETY INSTRUCTIONS
- SAVE THESE INSTRUCTIONS
1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

D19 / DIML19 LED: Hatch XTC series or equivalent - Forward and Reverse Phase Dimming Driver. Dims down to 1% contingent upon dimmer specification and load. 120V only.

D19 / DIML19 Dimmer Compatibility Chart

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Qty Fixtures Per Dimmer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leviton</td>
<td>IPL06-10Z</td>
<td>Use fixture wattage per fixture specification</td>
</tr>
<tr>
<td>Leviton</td>
<td>6613-xxx</td>
<td>Use fixture wattage per fixture specification</td>
</tr>
<tr>
<td>Lutron</td>
<td>S-600P</td>
<td>sheet to determine number of fixtures</td>
</tr>
<tr>
<td>Lutron</td>
<td>S-603P</td>
<td>sheet to determine number of fixtures</td>
</tr>
<tr>
<td>Lutron</td>
<td>DV-600P</td>
<td>per dimmer. Max number of fixtures is limited by dimmer load rating.</td>
</tr>
<tr>
<td>Lutron</td>
<td>DV-603P</td>
<td>per dimmer. Max number of fixtures is limited by dimmer load rating.</td>
</tr>
<tr>
<td>Lutron</td>
<td>DVSC-603P</td>
<td>per dimmer. Max number of fixtures is limited by dimmer load rating.</td>
</tr>
<tr>
<td>Lutron</td>
<td>CT-600P</td>
<td>per dimmer. Max number of fixtures is limited by dimmer load rating.</td>
</tr>
<tr>
<td>Lutron</td>
<td>CT-603P</td>
<td>per dimmer. Max number of fixtures is limited by dimmer load rating.</td>
</tr>
</tbody>
</table>

120V ONLY

Reverse Phase / ELV Dimming

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Qty Fixtures Per Dimmer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leviton</td>
<td>6615</td>
<td>Use fixture wattage per fixture specification</td>
</tr>
<tr>
<td>Leviton</td>
<td>IPE04-xxx</td>
<td>Use fixture wattage per fixture specification</td>
</tr>
<tr>
<td>Lutron</td>
<td>NT-ELV-300</td>
<td>sheet to determine number of fixtures</td>
</tr>
<tr>
<td>Lutron</td>
<td>NT-ELV-600</td>
<td>sheet to determine number of fixtures</td>
</tr>
<tr>
<td>Lutron</td>
<td>SELV-300P</td>
<td>per dimmer. Max number of fixtures is limited by dimmer load rating.</td>
</tr>
<tr>
<td>Lutron</td>
<td>SELV-303P</td>
<td>per dimmer. Max number of fixtures is limited by dimmer load rating.</td>
</tr>
<tr>
<td>Lutron</td>
<td>DVELV-300P</td>
<td>per dimmer. Max number of fixtures is limited by dimmer load rating.</td>
</tr>
<tr>
<td>Lutron</td>
<td>DVELV-303P</td>
<td>per dimmer. Max number of fixtures is limited by dimmer load rating.</td>
</tr>
</tbody>
</table>
**DIMMING DRIVER WIRING SCHEMES:**

**NOTES:**
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

**IMPORTANT SAFETY INSTRUCTIONS**
- **SAVE THESE INSTRUCTIONS**

1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

**D22 LED: ERP ESS 0-10V Dimming Driver Wiring (Dims down to 1%)**

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product Description</th>
<th>Part Number</th>
<th>Dimmed Light Output Range</th>
<th>Qty Fixtures Per Dimmer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V / 277V</td>
<td>Crestron iLux dimmer expansion module</td>
<td>CLS-EXP-DIMFLV</td>
<td>100% - 1%</td>
<td>Use source current per fixture specification sheet to determine number of fixtures per dimmer. Max number of fixtures is limited by dimmer load rating.</td>
</tr>
<tr>
<td></td>
<td>Crestron DIN Rail dimmer</td>
<td>DIN-4DIMFLV4</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Crestron DIN Rail analog output module</td>
<td>DIN-A08</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Crestron 8 Channel dimmer module</td>
<td>GLX-DIMFLV8</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Crestron 8 Channel dimmer module</td>
<td>GLXP-DIMFLV8</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Leviton IllumaTech dimmer</td>
<td>IP710-DLX</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lutron Nova T</td>
<td>NFTV-XX</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lutron Diva</td>
<td>DVTX-XX</td>
<td>100% - 1%</td>
<td></td>
</tr>
</tbody>
</table>

*NOTE: Refer to dimmer manufacturer’s documentation for installation instructions and circuit details.

**NOTE:**
If switched, non-dimming operation is desired, cap off purple and gray wires individually at installation. Do NOT cap purple and gray wires together.

**IMPORTANT SAFETY INSTRUCTIONS**
- **SAVE THESE INSTRUCTIONS**

1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).
**DIMMING DRIVER WIRING SCHEMES:**

**NOTES:**
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

**IMPORTANT SAFETY INSTRUCTIONS**
- **SAVE THESE INSTRUCTIONS**
  1. Keep these instructions in a safe place for future reference.
  2. Only qualified electricians in accordance to local codes should install these fixtures.
  3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
  4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
  5. Cap any wires not used separately (not together).

**D22 LED: ERP ESS series or equivalent - Forward and Reverse Phase Dimming Driver.**
Dims down to 1% contingent upon dimmer specification and load (see compatibility chart below). 120V only.

---

**D22 Dimmer Compatibility Chart**

<table>
<thead>
<tr>
<th>Dimmer Information</th>
<th>Dimming Range</th>
<th>Qty Fixtures Per Dimmer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>Maximum</td>
<td>Minimum</td>
</tr>
<tr>
<td>Cooper</td>
<td>DAL06P 100%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>DLC03P 100%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>DLC03P 100%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>DLC03P 100%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>6101-2 100%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>6631-2 100%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>6633-P 100%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>6673-10W 99%</td>
<td>6%</td>
</tr>
<tr>
<td></td>
<td>6683-IW 100%</td>
<td>2%</td>
</tr>
<tr>
<td></td>
<td>IPE04 100%</td>
<td>3%</td>
</tr>
<tr>
<td></td>
<td>IP106-1LZ 99%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>VPE06 100%</td>
<td>5%</td>
</tr>
<tr>
<td>Leviton</td>
<td>ZP26001EW 99%</td>
<td>3%</td>
</tr>
<tr>
<td></td>
<td>CT103P 99%</td>
<td>6%</td>
</tr>
<tr>
<td></td>
<td>DV600P 99%</td>
<td>3%</td>
</tr>
<tr>
<td></td>
<td>DVCL-153P 99%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>DVELV303P 97%</td>
<td>3%</td>
</tr>
<tr>
<td></td>
<td>FAEVLV500 99%</td>
<td>7%</td>
</tr>
<tr>
<td></td>
<td>LG600P 99%</td>
<td>5%</td>
</tr>
<tr>
<td></td>
<td>MAELV600 99%</td>
<td>7%</td>
</tr>
<tr>
<td>Lightolier</td>
<td>S-603PG 86%</td>
<td>4%</td>
</tr>
<tr>
<td></td>
<td>SELV300P 97%</td>
<td>3%</td>
</tr>
<tr>
<td></td>
<td>TG-600P 99%</td>
<td>13%</td>
</tr>
<tr>
<td></td>
<td>TGCL-153P 99%</td>
<td>2%</td>
</tr>
<tr>
<td>Lutron</td>
<td>MAELV600 99%</td>
<td>7%</td>
</tr>
<tr>
<td></td>
<td>S600P 99%</td>
<td>1%</td>
</tr>
<tr>
<td></td>
<td>S-603PG 86%</td>
<td>4%</td>
</tr>
<tr>
<td></td>
<td>SELV300P 97%</td>
<td>3%</td>
</tr>
<tr>
<td></td>
<td>TG-600P 99%</td>
<td>13%</td>
</tr>
<tr>
<td></td>
<td>TGCL-153P 99%</td>
<td>2%</td>
</tr>
</tbody>
</table>
INTENSITY DIMMING DRIVER COMPATIBILITY
SELECTION GUIDE

DIML3 LED: Lutron Hi-Lume A-Series 2 Wire Fwd Phase (with neutral) / LED Dimming Driver Wiring (Dims down to 1%) 120V only.

Note: Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

**DIML3 LED**

**COLOR SELECT**

Covered By US Patents 8,581,520 and 8,456,109

**INTENSITY DIMMING DRIVER WIRING SCHEMES:**

**D3 / DIML3 Dimmer Compatibility Chart**

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Part Number</th>
<th>Dimmed Light Output Range</th>
<th>Qty Fixtures Per Dimmer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V Only</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETC</td>
<td>Sensor+ Cabinet</td>
<td>ELV10</td>
<td>100% - 1%</td>
<td>1 – 26</td>
</tr>
<tr>
<td>ETC</td>
<td>Unison DRd Cabinet</td>
<td>ELV10</td>
<td>100% - 1%</td>
<td>1 – 26</td>
</tr>
<tr>
<td>Lutron</td>
<td>Maestro Wireless® 600W dimmer</td>
<td>MRF2-6ND-120-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>Maestro Wireless® 1000W dimmer</td>
<td>MRF2-10ND-120-</td>
<td>100% - 1%</td>
<td>1 – 13</td>
</tr>
<tr>
<td>Lutron</td>
<td>HomeWorks® QS adaptive dimmer</td>
<td>HORD-6NA-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>HomeWorks® QS 600W dimmer</td>
<td>HORD-6ND-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>HomeWorks® QS 1000W dimmer</td>
<td>HORD-10ND-</td>
<td>100% - 1%</td>
<td>1 – 13</td>
</tr>
<tr>
<td>Lutron</td>
<td>Caseta Wireless® Pro 1000W dimmer</td>
<td>PD-10NXD-</td>
<td>100% - 1%</td>
<td>1 – 13</td>
</tr>
<tr>
<td>Lutron</td>
<td>Staanza® dimmer</td>
<td>SZ-6ND-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>RadioRA® 2 adaptive dimmer</td>
<td>RRD-6NA-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>RadioRA® 2 1000 W dimmer</td>
<td>RRD-10ND-</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>myRoom DIN power module</td>
<td>MGSE-4A1-D</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>HomeWorks® QS wallbox power module</td>
<td>HQRJ-WPM-6D-120-</td>
<td>100% - 1%</td>
<td>1 – 26</td>
</tr>
<tr>
<td>Lutron</td>
<td>Homeworks® DIN power module</td>
<td>LOSE-4A1-D</td>
<td>100% - 1%</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Lutron</td>
<td>HomeWorks® wallbox power module</td>
<td>HWI-WPM-6D-120</td>
<td>100% - 1%</td>
<td>1 – 26</td>
</tr>
<tr>
<td>Lutron</td>
<td>GRAFIK Eye® QS control unit</td>
<td>QSGR-, QSGRJ-</td>
<td>100% - 1%</td>
<td>1 – 26</td>
</tr>
<tr>
<td>Lutron</td>
<td>GRAFIK Eye® 3000 control unit</td>
<td>GRX-3100-, GRX-3500-</td>
<td>100% - 1%</td>
<td>1 – 26</td>
</tr>
<tr>
<td>Lutron</td>
<td>RPM-4U module</td>
<td>HW-RPM-4U-120, LP-RPM-4U-120</td>
<td>100% - 1%</td>
<td>1 – 26</td>
</tr>
<tr>
<td>Lutron</td>
<td>RPM-4A module</td>
<td>HW-RPM-1A-120, LP-RPM-4A-120</td>
<td>100% - 1%</td>
<td>1 – 26</td>
</tr>
<tr>
<td>Lutron</td>
<td>GP dimming panels</td>
<td>Various</td>
<td>100% - 1%</td>
<td>1 – 26</td>
</tr>
<tr>
<td>Lutron</td>
<td>Anadi CL 250W dimmer</td>
<td>AYCL-25SP-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>Diva CL 250W dimmer</td>
<td>DVCL-25SP-, DVSCCL-25SP-</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>Grafa TC or RF CL dimmer</td>
<td>GT-259M-, GTJ-259M</td>
<td>100% - 1%</td>
<td>1 – 8</td>
</tr>
<tr>
<td>Lutron</td>
<td>Nova CL 250W dimmer</td>
<td>NTCL-25-</td>
<td>100% - 1%</td>
<td>1 – 10</td>
</tr>
</tbody>
</table>

* NOTE: Refer to dimmer manufacturer’s documentation for installation instructions and circuit details.
INTENSITY DIMMING DRIVER COMPATIBILITY
SELECTION GUIDE
DIML4

INTENSITY DIMMING DRIVER WIRING SCHEMES:

Note: Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to 
specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

D4 / DIML4 LED: Lutron Hi-Lume A-Series LED Driver with 3-Wire FL Control / LED Dimming Driver Wiring (Dims down to 1%)

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Part Number</th>
<th>Dimmed Light Output Range</th>
<th>Qty Fixtures Per Control*</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V Only</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETC Sensor+ Cabinet</td>
<td>D20 Dimming module</td>
<td>100% - 1%</td>
<td>1–33</td>
<td>1–26</td>
</tr>
<tr>
<td>ETC Union DRd Cabinet</td>
<td>D20F Dimming module</td>
<td>100% - 1%</td>
<td>1–53</td>
<td>1–26</td>
</tr>
<tr>
<td>Lutron Nova T</td>
<td>NT-10-277</td>
<td>100% - 1%</td>
<td>1–33</td>
<td>1–16</td>
</tr>
<tr>
<td>Lutron Nova T</td>
<td>NT-103P-277-3</td>
<td>100% - 1%</td>
<td>1–33</td>
<td>1–16</td>
</tr>
<tr>
<td>Lutron Nova</td>
<td>NF-10P-277-3</td>
<td>100% - 1%</td>
<td>1–33</td>
<td>1–16</td>
</tr>
<tr>
<td>Lutron Vareo</td>
<td>VF-10-100%</td>
<td>100% - 1%</td>
<td>1–20</td>
<td>1–10</td>
</tr>
<tr>
<td>Lutron Skylark</td>
<td>SF-10P-100%</td>
<td>100% - 1%</td>
<td>1–20</td>
<td>1–10</td>
</tr>
<tr>
<td>Lutron Diva</td>
<td>DVF-103P-DVSCF-103P-</td>
<td>100% - 1%</td>
<td>1–20</td>
<td>1–10</td>
</tr>
<tr>
<td>Lutron Ariadni</td>
<td>AYF-103P-</td>
<td>100% - 1%</td>
<td>1–20</td>
<td>1–10</td>
</tr>
<tr>
<td>Lutron Vieri</td>
<td>VTF-6A-</td>
<td>100% - 1%</td>
<td>1–15</td>
<td>1–7</td>
</tr>
<tr>
<td>Lutron Maestro Wireless</td>
<td>MRF2-6AN-DV-</td>
<td>100% - 1%</td>
<td>1–15</td>
<td>1–7</td>
</tr>
<tr>
<td>Lutron Maestro</td>
<td>MAF-6AM-MSCF-6AM-</td>
<td>100% - 1%</td>
<td>1–15</td>
<td>1–7</td>
</tr>
<tr>
<td>Lutron RadioRA 2</td>
<td>RRD-6AN-DV-</td>
<td>100% - 1%</td>
<td>1–15</td>
<td>1–7</td>
</tr>
<tr>
<td>Lutron HomeWorks</td>
<td>HQRD-6AN-DV-</td>
<td>100% - 1%</td>
<td>1–15</td>
<td>1–7</td>
</tr>
<tr>
<td>Lutron Interfaces</td>
<td>PHPM-3F-120-PHPM-3F-DV-</td>
<td>100% - 1%</td>
<td>1–41</td>
<td>1–20</td>
</tr>
<tr>
<td>Lutron GP Dimming Panels</td>
<td>Various</td>
<td>100% - 1%</td>
<td>1–41</td>
<td>1–20</td>
</tr>
</tbody>
</table>

| 277V Only |         |             |                           |                         |
| ETC Sensor+ Cabinet | D20 Dimming module | 100% - 1% | 1–53 | 1–26 |
| ETC Union DRd Cabinet | D20F Dimming module | 100% - 1% | 1–53 | 1–26 |
| Lutron Nova T | NT-10P-277 | 100% - 1% | 1–33 | 1–16 |
| Lutron Nova T | NT-103P-277-3 | 100% - 1% | 1–33 | 1–16 |
| Lutron Nova | NF-10P-277-3 | 100% - 1% | 1–33 | 1–16 |
| Lutron Skylark | SF-12P-10P-277 | 100% - 1% | 1–33 | 1–16 |
| Lutron Diva | DVF-103P-277-3 | 100% - 1% | 1–33 | 1–16 |
| Lutron Ariadni | AYF-103P-277 | 100% - 1% | 1–33 | 1–16 |
| Lutron Vieri | VTF-6A- | 100% - 1% | 1–33 | 1–16 |
| Lutron Maestro Wireless | MRF2-6AN-DV- | 100% - 1% | 1–33 | 1–16 |
| Lutron RadioRA 2 | RRD-6AN-DV- | 100% - 1% | 1–33 | 1–16 |
| Lutron HomeWorks | HQRD-6AN-DV- | 100% - 1% | 1–33 | 1–16 |
| Lutron Interfaces | PHPM-3F-DV- | 100% - 1% | 1–88 | 1–44 |
| Lutron GP Dimming Panels | Various | 100% - 1% | 1–88 | 1–44 |

* NOTE: Number of fixtures may be higher if wattage is less than maximum values shown. Refer to dimmer manufacturer’s 
documentation for installation instructions and circuit details.

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INTENSITY DIMMING DRIVER WIRING SCHEMES:

Note: Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

**DIML4 LED: Lutron Hi-Lume A-Series LED Driver with Eco System Control / LED Dimming Driver Wiring (Dims down to 1%)**

![Wiring Diagram](image)

**D4 / DIML4 LED: Lutron Hi-Lume A-Series LED Driver with EcoSystem Control / LED Dimming Driver Wiring (Dims down to 1%)**

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Part Number</th>
<th>Dimmed Light Output Range</th>
<th>Qty Fixtures Per Control*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lutron</td>
<td>PowPak dimming module</td>
<td>RMU-ECOD2-DV-B</td>
<td>100%–1%</td>
<td>1–32</td>
</tr>
<tr>
<td>Lutron</td>
<td>Energi Savr Node</td>
<td>DSN-IECO-S, DSN-IEC-S</td>
<td>100%–1%</td>
<td>1–64</td>
</tr>
<tr>
<td>Lutron</td>
<td>GRAFIK Eye GS (120V ONLY)</td>
<td>QSGRJ- E, QSGR- E</td>
<td>100%–1%</td>
<td>1–64</td>
</tr>
<tr>
<td>Lutron</td>
<td>Quantum</td>
<td>Various</td>
<td>100%–1%</td>
<td>1–64</td>
</tr>
</tbody>
</table>

* NOTE: Number of fixtures may be higher if wattage is less than maximum values shown. Refer to dimmer manufacturer’s documentation for installation instructions and circuit details.
INTENSITY DIMMING DRIVER COMPATIBILITY
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DIML6A & 6B
DIML6E & DIML6F

INTENSITY DIMMING DRIVER WIRING SCHEMES:

Note: Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer’s documentation for details.

0-10V Dimming w/ Relay Switch to Power

0-10V Dimming

D6A / DIML6A and D6E / DIML6E LED Dimming Compatibility Table
D6A / DIML6A and D6E / DIML6E are linearly programmed dimming drivers for use with the dimming controls listed in the table below.

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Part Number</th>
<th>Dimmed Light Output Range</th>
<th>Qty Fixtures Per Dimmer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lutron</td>
<td>Diva</td>
<td>DVT/VNTV with PP-20</td>
<td>99% - 0.1%</td>
<td>1%</td>
</tr>
<tr>
<td>Lutron</td>
<td>Nova T</td>
<td>NTFTV with PP-20</td>
<td>99% - 0.1%</td>
<td>1%</td>
</tr>
<tr>
<td>Lutron</td>
<td>Energ &amp; Savr Node</td>
<td>GSN-4T16-S</td>
<td>100% - 0.1%</td>
<td>1%</td>
</tr>
<tr>
<td>Lutron</td>
<td>GP Dimming Panels</td>
<td>TVM2 Module</td>
<td>99% - 0.1%</td>
<td>1%</td>
</tr>
<tr>
<td>Lutron</td>
<td>Interfaces</td>
<td>GRX-TV w/ GRX3903</td>
<td>100% - 0.1%</td>
<td>1%</td>
</tr>
<tr>
<td>Sensor Switch</td>
<td>nIO</td>
<td>nIO EZ</td>
<td>100% - 0.1%</td>
<td>1%</td>
</tr>
<tr>
<td>enlightened Control Unit</td>
<td>CU-3E-1R</td>
<td>100% - 0.1%</td>
<td>1%</td>
<td></td>
</tr>
</tbody>
</table>

D6B / DIML6B and D6F / DIML6F LED Dimming Compatibility Table
D6B / DIML6B and D6F / DIML6F are logarithmic-programmed dimming drivers for use with the dimming controls listed in the table below.

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Part Number</th>
<th>Dimmed Light Output Range</th>
<th>Qty Fixtures Per Dimmer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lutron</td>
<td>Diva</td>
<td>DVT/VNTV with PP-20</td>
<td>99% - 0.1%</td>
<td>1%</td>
</tr>
<tr>
<td>Lutron</td>
<td>Nova T</td>
<td>NTFTV with PP-20</td>
<td>99% - 0.1%</td>
<td>1%</td>
</tr>
<tr>
<td>Lutron</td>
<td>Energ &amp; Savr Node</td>
<td>GSN-4T16-S</td>
<td>100% - 0.1%</td>
<td>1%</td>
</tr>
<tr>
<td>Lutron</td>
<td>GP Dimming Panels</td>
<td>TVM2 Module</td>
<td>99% - 0.1%</td>
<td>1%</td>
</tr>
<tr>
<td>Lutron</td>
<td>Interfaces</td>
<td>GRX-TV w/ GRX3903</td>
<td>100% - 0.1%</td>
<td>1%</td>
</tr>
<tr>
<td>Sensor Switch</td>
<td>nIO</td>
<td>nIO EZ</td>
<td>100% - 0.1%</td>
<td>1%</td>
</tr>
<tr>
<td>enlightened Control Unit</td>
<td>CU-3E-1R</td>
<td>100% - 0.1%</td>
<td>1%</td>
<td></td>
</tr>
</tbody>
</table>

Refer to manufacturer’s dimmer load rating for maximum and minimum fixture quantities per dimmer. Enlighted compatible.

**Refer to manufacturer’s dimmer load rating for maximum and minimum fixture quantities per dimmer. Enlighted compatible.**
INTENSITY DIMMING DRIVER WIRING SCHEMES:

Note: Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

DIML7 LED: eldoLED DALI dimming driver (dims down to 0.1%)

![Diagram of intensity dimming driver wiring schemes](image-url)