BeveLED Mini Primary - P3SDF
3” Square Downlight

BeveLED Mini Primary provides consistent, high quality white light in an economical architectural solution with our iconic BeveLED trim.

**FEATURES**
- 2700K, 3000K or 3500K color temperature options in 80+ and 90+ CRI
- Downlight and wallwash configurations
- Dry/damp/wet location rated for bathrooms and showers
- Dimmable with forward and reverse phase dimmers
- High LED performance with budget-conscious features

**P3SDF TRIM DETAILS**

BeveLED Mini Primary provides consistent, high quality white light in an economical architectural solution with our iconic BeveLED trim.

**MORE CHOICES**

For **Trimless, Millwork, and more** Housing and Dimming options use B3SD-L2 for same roomside appearance

**B3SD-L2**
usailighting.com/B3SD-L2

For **Adjustable** use B3SA-L2 for same roomside appearance

**B3SA-L2**
usailighting.com/B3SA-L2

**BEVELED MINI PRIMARY DOWNLIGHT PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>DELIVERED* PERFORMANCE:</th>
<th>9W</th>
<th>15W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source Lumens:</td>
<td>1075</td>
<td>1575</td>
</tr>
<tr>
<td>Lumin Per Watt:</td>
<td>82</td>
<td>76</td>
</tr>
<tr>
<td>Delivered Lumens:</td>
<td>825</td>
<td>1175</td>
</tr>
<tr>
<td>Color Consistency:</td>
<td>2-Step MacAdam Ellipse</td>
<td></td>
</tr>
</tbody>
</table>

*Based on 3000K, 80+ CRI, Medium beam. 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>2700K</th>
<th>3000K</th>
<th>3500K</th>
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</thead>
<tbody>
<tr>
<td>Color Rendering Index:</td>
<td>80+</td>
<td>90+</td>
</tr>
<tr>
<td>Multiplier for Lumen Output:</td>
<td>0.98</td>
<td>0.81</td>
</tr>
</tbody>
</table>
## HOUSING DETAILS

**New Construction Housing – EC**

Accepts ceiling thickness 

![Diagram of New Construction Housing – EC](image)

## BEVELED MINI PRIMARY SPECIFICATIONS

**TRIM**

3” square aperture with a 1” recessed bevel and 1/2” flange, retained by two mounting clips. Die cast aluminum bevel is self-flanged and is available in white.

**TRIM LENS**

Trim is shipped with integral solite lens.

**REFLECTOR**

Interchangeable specular reflector available in medium and wide beam distributions.

**FIELD REPLACEABLE LED LIGHT ENGINE**

is serviceable through the aperture with a Philips screwdriver.

**COLOR**

All LED color options are tightly binned for fixture-to-fixture color consistency within a 2-Step MacAdam Ellipse.

**RATED LIFE**

Based on IESNA LM80-2008 50,000 hours at 70% lumen maintenance (L70).

## FIELD REPLACEABLE DRIVER

Solid state electronic constant current phase or 0-10V dimming driver with a high power factor provided standard. Driver complies with IEEE C62.41 surge protection. Some on-time delay may be experienced depending on control system used.

**FIXTURE WEIGHT**

5 lbs.

**HOUSING**

Fabricated of black electrocoated 20 ga. steel with 18 ga. steel J-box.

**MOUNTING**

Adjustable nailer bars with integral nails provided. Nailer bars are extendible from 14” to 24” centers. Channel bar kits with butterfly brackets are available in 27” and 52” lengths as an add-on accessory for use in acoustical ceilings.

## WARRANTY

USAI limited warranty covers replacement parts for 5 years from date of shipment.

## CEILING CUT OUT

3½” x 3½”

## LISTINGS

Dry/Damp/Wet. 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.

## HOUSING DETAILS

**HOUSING DETAILS**

**With Channel Bar Kit Accessory**

![Diagram of With Channel Bar Kit Accessory](image)

**ACCESSORIES (OPTIONAL)**

- **CK27**: 27” C-Channel Bar Kit with Butterfly Brackets
- **CK52**: 52” C-Channel Bar Kit with Butterfly Brackets

## HOUSING DETAILS

**HOUSING DETAILS**

**Accessories (Optional)**

- **CK27**: 27” C-Channel Bar Kit with Butterfly Brackets
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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).

D21 LED: ERP EBR015 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.

D21 Dimmer Compatibility Chart

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Dimmer Information</th>
<th>Dimming Range</th>
<th>Qty Fixtures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooper</td>
<td>DAL06P</td>
<td>100%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>DLC03P</td>
<td>100%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>SLC02P</td>
<td>100%</td>
<td>0%</td>
</tr>
<tr>
<td>Leviton</td>
<td>6181</td>
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<tr>
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<td>6683-IW</td>
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<td>ZP2600EWW</td>
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<td></td>
<td>FAELV500</td>
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<td></td>
<td>LG600P</td>
<td>99%</td>
<td>5%</td>
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<tr>
<td></td>
<td>MAELV600</td>
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<td>S600P</td>
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<td>S-603PG</td>
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<tr>
<td></td>
<td>TGCL-153P</td>
<td>99%</td>
<td>2%</td>
</tr>
</tbody>
</table>

Note: Use fixture wattage per fixture specification sheet to determine maximum number of fixtures per dimmer. Max number of fixtures is limited by dimmer load rating per dimmer specification sheet.
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.

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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*</th>
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<tbody>
<tr>
<td>Crestron</td>
<td>iLux dimmer expansion module</td>
<td>CLS-EXP-DIMFLV</td>
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</tr>
<tr>
<td>Crestron</td>
<td>DIN Rail dimmer</td>
<td>DIN-4DIMFLV4</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>DIN Rail analog output module</td>
<td>DIN-A08</td>
<td>100% - 1%</td>
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</tr>
<tr>
<td>Crestron</td>
<td>8 Channel dimmer module</td>
<td>GLX-DIMFLV8</td>
<td>100% - 1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>8 Channel dimmer module</td>
<td>GLXP-DIMFLV8</td>
<td>100% - 1%</td>
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</tr>
<tr>
<td>Leviton</td>
<td>IllumaTech dimmer</td>
<td>IP710-DLX</td>
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<td>Lutron</td>
<td>Nova T</td>
<td>NFTV-XX</td>
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<tr>
<td>Lutron</td>
<td>Diva</td>
<td>DVT-XX</td>
<td>100% - 1%</td>
<td></td>
</tr>
</tbody>
</table>

Use source current per fixture specification sheet to determine number of fixtures per dimmer. Max number of fixtures is limited by dimmer load rating.

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

D22 Dimmer Compatibility Chart

D22 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.

D22 0-10V DIMMING (NO RELAY)

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DIMMING DRIVER WIRING SCHEMES:

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<tr>
<th>Dimmer Information</th>
<th>Dimming Range</th>
<th>Qty Fixtures</th>
<th>Per Dimmer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td></td>
<td>Maximum</td>
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</tr>
<tr>
<td>Cooper</td>
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<td>DAL06P</td>
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</tr>
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<td>CT103P</td>
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<td>99%</td>
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</tr>
<tr>
<td>DV600P</td>
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