Introducing Beautiful, Precise Recessed Lighting for Sloped Ceiling Installations Up to 45 Degrees.

FEATURES
- CEC T24 2016 JA8 qualified
- Solutions for angles from 15° (3/12 pitch) to 45° (12/12 pitch)
- Perfect round and square roomside appearance
- Installations are always aligned with integral leveler
- Works with sheetrock, stone, plaster, and millwork ceilings
- Easily change from trimless or millwork to trimmed in the field
- Rated for direct contact with spray-foam insulation

SLOPED TITLE 24
DOWNLIGHT PERFORMANCE DATA

<table>
<thead>
<tr>
<th>DELIVERED PERFORMANCE:</th>
<th>LED COLOR CHOICES</th>
<th>Classic White</th>
<th>Warm Glow Dimming</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Wattage:</td>
<td>9W</td>
<td>15W</td>
<td>15W</td>
</tr>
<tr>
<td>Color Temperature:</td>
<td>2700K 3000K 3500K 4000K</td>
<td>2700K 3000K 3500K 4000K</td>
<td>2700K 3000K 3000K</td>
</tr>
<tr>
<td>Color Rendering Index:</td>
<td>90+ Color Rendering Index</td>
<td>90+ Color Rendering Index</td>
<td>90+ Color Rendering Index</td>
</tr>
<tr>
<td>Lumens per Watt</td>
<td>66 66 71 76</td>
<td>69 69 74 79</td>
<td>54 57 52 55</td>
</tr>
<tr>
<td>Source Lumens</td>
<td>900 900 975 1050</td>
<td>1300 1300 1400 1500</td>
<td>1050 1125 1400 1500</td>
</tr>
<tr>
<td>Delivered Lumens</td>
<td>600 600 650 700</td>
<td>925 925 1000 1050</td>
<td>800 850 1075 1150</td>
</tr>
<tr>
<td>Color Consistency:</td>
<td>2-Step MacAdam Ellipse</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Performance varies for each specific beamspread and slope. See IES files for exact values at usailighting.com.
## BeveLED Mini® T24 Incline - B3RG-T24

### 3” Round Downlight for Sloped Ceilings

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

<table>
<thead>
<tr>
<th>B3RG__</th>
<th>BeveLED Trim Style</th>
<th>Ceiling Slope</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>NCIC</th>
<th>UNV</th>
<th>Dimming Driver Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>Trimmed with Flange</td>
<td>30</td>
<td>09X1 9W LED</td>
<td>Classic White Light</td>
<td>30 30° beam</td>
<td>WH White</td>
<td>WH White</td>
<td></td>
<td></td>
<td>For use with Universal Voltage 120V - 277V</td>
</tr>
<tr>
<td>L</td>
<td>Trimless Spackle-in</td>
<td>45</td>
<td>15X1 15W LED</td>
<td>27KX 2700K, 90+ CRI</td>
<td>40 40° beam</td>
<td>SC Conduit Silver</td>
<td>SC Conduit Silver</td>
<td></td>
<td></td>
<td>D6E EldoLED 0-10V, 1% (provided standard)</td>
</tr>
<tr>
<td>M</td>
<td>Millwork Knife-edge</td>
<td>45</td>
<td>40KX 4000K, 90+ CRI</td>
<td>50 50° beam</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>D6F EldoLED 0-10V, 1%</td>
</tr>
<tr>
<td>B3RG__</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Lens Options
- **S** Select one
- S Solite (provided standard)

### Bevel Trim Finish Options
- WH White
- SC Conduit Silver
- GR Grey
- BL Black
- BZ Bronze

### NCIC Insulation Contact Rated / Airtight
- WH White
- SC Conduit Silver
- GR Grey
- BL Black
- BZ Bronze

### Housing Options
- UNV 120V-277V

### Voltage Options
- UNV 120V-277V

### Dimming Driver Options
- D6E EldoLED 0-10V, 1% (provided standard)
- D6F EldoLED 0-10V, 1%

### Bevel Trim Options
- WH White
- SC Conduit Silver
- GR Grey
- BL Black
- BZ Bronze

### Ceiling Slope
- 30 Angled trim accommodates ceiling slopes from 15° (3/12 pitch) to 30° (7/12 pitch) maximum
- 45 Angled trim accommodates ceiling slopes from 30° (7/12 pitch) to 45° (12/12 pitch) maximum

### Wattage Options
- 9WX1 9W LED
- 15X1 15W LED

### LED Color Options
- 27KX 2700K, 90+ CRI
- 30KX 3000K, 90+ CRI
- 35KX 3500K, 90+ CRI
- 40KX 4000K, 90+ CRI

### Beam Options
- 30 30° beam
- 40 40° beam
- 50 50° beam

### Voltage Options
- UNV 120V-277V

### TRIM FINISH OPTIONS

- White
- Grey
- Black
- Bronze

*Leave blank for Trimless*
BeveLED Mini® T24 Incline - B3RG-T24
3” Round Downlight for Sloped Ceilings

TRIM DETAILS

For 15° (3/12) - 30° (7/12) Slope Ceilings

For 30° (7/12) - 45° (1/12) Slope Ceilings

HOUSING OPTIONS

For 15° (3/12) - 30° (7/12) Slope Ceilings

Insulated Contact Rated / Airtight - NCIC

For 30° (7/12) - 45° (1/12) Slope Ceilings

Insulated Contact Rated / Airtight - NCIC
BeveLED Mini® T24 Incline - B3RG-T24
3” Round Downlight for Sloped Ceilings

Trimless - B3RGL

TRIM DETAILS

For 15° (3/12) - 30° (7/12) Slope Ceilings

For 30° (7/12) - 45° (12/12) Slope Ceilings

HOUSING OPTIONS

For 15° (3/12) - 30° (7/12) Slope Ceilings

Insulated Contact Rated / Airtight - NCIC

For 30° (7/12) - 45° (12/12) Slope Ceilings

Insulated Contact Rated / Airtight - NCIC
**BeveLED Mini® T24 Incline - B3RG-T24**

**3” Round Downlight for Sloped Ceilings**

---

**Millwork - B3RGM**

**TRIM DETAILS**

For 15° (3/12) - 30° (7/12) Slope Ceilings

For 30° (7/12) - 45° (12/12) Slope Ceilings

---

**HOUSING OPTIONS**

For 15° (3/12) - 30° (7/12) Slope Ceilings

Insulated Contact Rated / Airtight - NCIC

For 30° (7/12) - 45° (12/12) Slope Ceilings

Insulated Contact Rated / Airtight - NCIC
BEVELED MINI T24 SPECIFICATIONS

FIELD REPLACEABLE LED LIGHT ENGINE
is serviceable through the aperture without tools or with a Philips screwdriver. All USAI Lighting light engines feature industry-leading color consistency.

FIELD REPLACEABLE DRIVER
Unless otherwise specified, a 0-10V, 100%-1% solid state electronic constant current integral D6E 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.

ADJUSTMENT
Sloped ceiling housings are fitted with an integral bubble leveling device to ensure perfectly level installations and optical alignment. Optical assembly can be tilted and locked in position for ceiling slopes from 3/12 pitch to 12/12 pitch, which are visually indicated on tilt mechanism. Butterfly brackets are imprinted with ceiling thickness indexing allow installers to easily preset housing prior to installation: choose from ceiling thicknesses of ½", 5/8", ¾", 7/8", 1", or 1-1/8".

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 and 15W light engines only are rated for direct contact with spray foam insulation of R-42 or less.

MOUNTING
B3SGF overlap flange fixtures are designed for use in sheetrock, acoustical ceiling tile, and many other ceiling materials. B3SGL trimless fixtures are provided with a spackle collar and are designed for use in sheetrock/mud-in ceiling applications. B3SGM millwork fixtures are provided with a millwork collar and are designed for use in wood/millwork and stone construction applications. Butterfly brackets and adjustable channel bars extendible from 16" to 24" centers with integral nails are provided for attachment to building structure.

FIXTURE WEIGHT
NCIC housing weighs 11 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
B3RGF Trimmed Overlap Flange: 5-1/16"Ø
B3RGL Trimless Spackle Frame: 5-1/16"Ø
B3RGM Millwork Knife Edge: 4-15/16"Ø

LISTINGS
Dry/Damp/Wet location. CEC/Title 24 2016 JA8 Compliant, see CEC website for exact models included. 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.
**LED COLOR OPTIONS**

![Image of interior space with warm glow lighting]

**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.

![Image of interior space with classic white light]

**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.

![Image of interior space with warm glow lighting]
DIMMING DRIVER COMPATIBILITY SELECTION GUIDE
D6A / DIML6A and D6E / DIML6E
D6B / DIML6B and D6F / DIML6F

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).

**D6A / DIML6A and D6F / DIML6F LED Dimming Compatibility Table**
D6A / DIML6A and D6F / DIML6F are logarithmic-programmed dimming drivers for use with the dimming controls listed in the table below.

D6A / DIML6A = 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 Details</th>
<th>Dimmed Light Output Range</th>
<th>Qty Fixtures Per Dimmer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lutron</td>
<td>Diva, DT/TV/NFV with PP-20</td>
<td>99% - 0.1%</td>
<td>Refer to manufacturer’s dimmer load rating for maximum and minimum fixture quantities per dimmer.</td>
</tr>
<tr>
<td>Lutron</td>
<td>Nova T, NT/TV with PP-20</td>
<td>99% - 0.1%</td>
<td>Enlighted compatible.</td>
</tr>
<tr>
<td>Lutron</td>
<td>Energy Savr Node, QSN-4T16-S</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Lutron</td>
<td>DNA Dimming Panels, TVMZ Module</td>
<td>99% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Lutron</td>
<td>Interfaces, GRX-TVI w/ GRX3503</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Sensor Switch</td>
<td>n10, n10 EZ</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>enlightened</td>
<td>Control Unit, CU-3E-1R</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
</tbody>
</table>

**D6B / DIML6B and D6E / DIML6E LED Dimming Compatibility Table**
D6B / DIML6B and D6E / DIML6E are linearly 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%
D6E / DIML6E = EldoLED ECOdrive 0-10V control dims from 100% to 1%

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product Details</th>
<th>Dimmed Light Output Range</th>
<th>Qty Fixtures Per Dimmer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bush-Jaeger</td>
<td>Electronic potentiometer, Z112U-101</td>
<td>100% - 0.1%</td>
<td>Refer to manufacturer’s dimmer load rating for maximum and minimum fixture quantities per dimmer.</td>
</tr>
<tr>
<td>Jung</td>
<td>Electronic potentiometer, B20-10</td>
<td>100% - 0.1%</td>
<td>Enlighted compatible.</td>
</tr>
<tr>
<td>Lightolier (Philips)</td>
<td>Momentum (120V ONLY), ZP60FAM120</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Merten</td>
<td>Electronic potentiometer, 5729</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Pass &amp; Seymour</td>
<td>Titan, CD4FB-W</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Watt Stopper</td>
<td>Miro, DCLV1</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Synergy</td>
<td>Wallbox Dimmers, ISD BC</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>ABB</td>
<td>i-bus, SD/S 216.1</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>Modules, GLX-DIMFLV8, GLX-DIMFLV8</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>Green Light, GLPAC-DIMFLV4, GLPAC-DIMFLV8</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>Green Light Power Pack, GLPP-1DIMFLV2E-PM, GLPP-1DIMFLV3E-PM</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>DIN Rail Analog Output Module, DIN-A08</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>DIN Rail 0-10V Fluorescent Dimmer, DIN-4DIMFLV4</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>Crestron</td>
<td>iLux 0-10V Dimmer Expansion Module, CLS-EXP-DIMFLV</td>
<td>100% - 0.1%</td>
<td></td>
</tr>
<tr>
<td>enlightened</td>
<td>Control Unit, CU-3E-1R</td>
<td>100% - 0.1%</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.

D6A / DIML6A & D6F / DIML6F DIMMING DRIVER WIRING SCHEMES:

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

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