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

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**SLOPED TITLE 24 DOWNLIGHT PERFORMANCE DATA**

**LED COLOR CHOICES**

<table>
<thead>
<tr>
<th>Input Wattage:</th>
<th>9W</th>
<th>15W</th>
<th>15W</th>
<th>20W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color Rendering Index:</td>
<td>90+ 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>70, 70, 75, 80</td>
<td>63, 63, 68, 72</td>
<td>63, 63, 68, 72</td>
<td>55, 59, 54, 57</td>
</tr>
<tr>
<td>Source Lumens</td>
<td>900, 900, 975, 1050</td>
<td>1300, 1300, 1400, 1500</td>
<td>1300, 1300, 1400, 1500</td>
<td>1050, 1125, 1400, 1500</td>
</tr>
<tr>
<td>Delivered Lumens</td>
<td>625, 625, 675, 725</td>
<td>900, 900, 975, 1025</td>
<td>900, 900, 975, 1025</td>
<td>825, 875, 1125, 1200</td>
</tr>
<tr>
<td>Color Consistency:</td>
<td>2-Step MacAdam Ellipse</td>
<td></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 - B3SG-T24
3” Square Downlight for Sloped Ceilings

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

<table>
<thead>
<tr>
<th>B3SG...</th>
<th>BeveLED Trim Style</th>
<th>Ceiling Slope Options</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>*Flange/ Millwork Collar Finish</th>
<th>Housing Options</th>
<th>Voltage Options</th>
<th>Dimming Driver Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>Trimmed with Flange</td>
<td></td>
<td></td>
<td></td>
<td>30°</td>
<td></td>
<td>WH</td>
<td>White</td>
<td></td>
<td></td>
<td>D6E EldoLED 0-10V, 1% (provided standard)</td>
</tr>
<tr>
<td>L</td>
<td>Trimless Spackle-in</td>
<td></td>
<td></td>
<td></td>
<td>40°</td>
<td>S</td>
<td>SC Conduit Silver</td>
<td>Conduit Silver</td>
<td></td>
<td></td>
<td>D6F EldoLED 0-10V, 1%</td>
</tr>
<tr>
<td>M</td>
<td>Millwork Knife-edge</td>
<td></td>
<td></td>
<td></td>
<td>50°</td>
<td>S</td>
<td>GR Grey</td>
<td>Grey</td>
<td></td>
<td></td>
<td>120V For use with 120V only</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50°</td>
<td>S</td>
<td>BL Black</td>
<td>Black</td>
<td></td>
<td></td>
<td>D19 Phase 2-wire, 1% available with X1 LED only. Not available with Warm Glow.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>S</td>
<td>BZ Bronze</td>
<td>Bronze</td>
<td></td>
<td></td>
<td>Coulomb C8 0-10V, 1% (provided standard)</td>
</tr>
</tbody>
</table>

**TRIM FINISH OPTIONS**

- White
- Grey
- Black
- Bronze

Custom colors and primer finish also available.

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Revised 04/07/2020
BeveLED Mini® T24 Incline - B3SG-T24
3” Square Downlight for Sloped Ceilings

TRIM DETAILS

For 15° (1/12) - 30° (1/12) Slope Ceilings

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

HOUSING OPTIONS

For 15° (1/12) - 30° (1/12) 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 - B3SG-T24
3” Square Downlight for Sloped Ceilings

Trimless - B3SGL

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 - B3SG-T24
3” Square Downlight for Sloped Ceilings

**Millwork - B3SGM**

**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

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Revised 04/07/2020
**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**

B3SGF Trimmed Overlap Flange: 5-1/16" X 5-1/16"
B3SGL Trimless Spackle Frame: 5-1/16" X 5-1/16"
B3SGM Millwork Knife Edge: 4-15/16" X 4-15/16"

**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.
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.

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.
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 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 SOLOdrive 0-10V control dims from 100% to 0.1%
D6E / DIML6E = EldoLED ECOdrive 0-10V control dims from 100% to 1%

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%

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.

D6B / DIML6B
0-10V Dimming w/Relay to Switch Power
D6F / DIML6F
0-10V Dimming (No Relay)