**ADJUSTABLE PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>DELIVERED* PERFORMANCE:</th>
<th>LED COLOR CHOICES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Classic White</strong></td>
<td><strong>Warm Glow Dimming</strong></td>
</tr>
<tr>
<td>Source Lumens:</td>
<td>Source Lumens:</td>
</tr>
<tr>
<td>9W</td>
<td>15W</td>
</tr>
<tr>
<td>1175</td>
<td>1825</td>
</tr>
<tr>
<td>Lumens Per Watt:</td>
<td>Lumens Per Watt:</td>
</tr>
<tr>
<td>72</td>
<td>73</td>
</tr>
<tr>
<td>Delivered Lumens:</td>
<td>Delivered Lumens:</td>
</tr>
<tr>
<td>650</td>
<td>1025</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>Classic White</th>
<th>2700K</th>
<th>3000K</th>
<th>3500K</th>
<th>4000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color Rendering Index:</td>
<td>80+</td>
<td>90+</td>
<td>95+</td>
<td>80+</td>
</tr>
<tr>
<td>Multiplier for Lumen</td>
<td>0.96</td>
<td>0.81</td>
<td>0.70</td>
<td>1.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Warm Glow Dimming</th>
<th>Color Select</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>3000K</td>
</tr>
<tr>
<td>Color Rendering Index:</td>
<td>80+</td>
</tr>
<tr>
<td>Multiplier for Lumen</td>
<td>1.00</td>
</tr>
</tbody>
</table>
### BeveLED Mini® for WoodWorks® Horizontal Slats - B3RAM-UA

#### 3” Round Adjustable with Integral Driver

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

<table>
<thead>
<tr>
<th>B3RAM</th>
<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>Millwork Collar Finish*</th>
<th>Housing Options</th>
<th>Voltage Options</th>
<th>Dimming Driver Options</th>
<th>Grid Mounting Type</th>
<th>Emergency Accessories (Optional)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Horizontal trim lens, can be used for all tilt angles from 0°-40° (provided standard)</td>
<td>09X3 15W LED 9W LED 27KU 30KU 35KU 40KU 45KU 50KU 50° beam (1)</td>
<td>Classic White Light</td>
<td>25 25° beam (2, 3) 30 30° beam 35 35° beam 45 45° beam 50 50° beam (1)</td>
<td>S Solite (provided standard)</td>
<td>BL Black</td>
<td>UNV 120V-277V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Optional cut-cone trim with canted lens, can be used for reduced clipping at tilt angles from 25°-40°</td>
<td>15X3 20X3 20W LED 20V LED</td>
<td>272KS 272KH 302KS 302KU 352KS 350KU, 90+ CRI 35KU 35KH 350KU, 90+ CRI 40KU 400KU, 90+ CRI 40KH 400KH, 90+ CRI 40KS 400KS, 90+ CRI 40KU 400KU, 90+ CRI</td>
<td>15WG2 15W LED 20WG2 20W LED</td>
<td>15WG2 15W LED 20WG2 20W LED</td>
<td>272KS 272KH 302KS 302KU 352KS 350KU, 90+ CRI 35KU 35KH 350KU, 90+ CRI 40KU 400KU, 90+ CRI 40KH 400KH, 90+ CRI 40KS 400KS, 90+ CRI 40KU 400KU, 90+ CRI</td>
<td>09X3 15W LED 9W LED 27KU 30KU 35KU 40KU 45KU 50KU 50° beam (1)</td>
<td>272KS 272KH 302KS 302KU 352KS 350KU, 90+ CRI 35KU 35KH 350KU, 90+ CRI 40KU 400KU, 90+ CRI 40KH 400KH, 90+ CRI 40KS 400KS, 90+ CRI 40KU 400KU, 90+ CRI</td>
<td>15WG2 15W LED 20WG2 20W LED</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TRIM FINISH OPTIONS**

- White
- Conduit Silver
- Grey
- Black
- Bronze
- Piano Gloss Black
- Custom RAL (example)

*Contact factory for other painted finish options for this component.*

**Notes:**
1. Not available with X3 LED
2. Not available for Warm Glow
3. Not available for Color Select
4. Not available with 9W
5. Not available with 347V, NC1 housing only. Requires above ceiling access for service

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showroom@usailighting.com

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### BeveLED Mini® for WoodWorks® Horizontal Slats - B3RAM-UA

#### 3” Round Adjustable with Remote Driver

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

<table>
<thead>
<tr>
<th>B3RAM</th>
<th>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>Millwork Collar Finish*</th>
<th>Housing Options</th>
<th>Remote Dimming Driver</th>
<th>Grid Mounting Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>09X3</td>
<td>2700K, 80+ CRI</td>
<td>Classic White</td>
<td>25° beam</td>
<td>S</td>
<td>White</td>
<td>Black</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>15X3</td>
<td>2700K, 90+ CRI</td>
<td></td>
<td>30° beam</td>
<td>SC</td>
<td>Conduit Silver</td>
<td>Black</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>09X3</td>
<td>2700K, 95+ CRI</td>
<td></td>
<td>35° beam</td>
<td>SF</td>
<td>Softie Frosted</td>
<td>BZ Bronze</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>15X3</td>
<td>3000K, 80+ CRI</td>
<td></td>
<td>40° beam</td>
<td>BF</td>
<td>Borosilicate Frost</td>
<td>BZ Bronze</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>09X3</td>
<td>3000K, 90+ CRI</td>
<td></td>
<td>45° beam</td>
<td></td>
<td></td>
<td>BZ Bronze</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>15X3</td>
<td>3000K, 95+ CRI</td>
<td></td>
<td>50° beam</td>
<td></td>
<td></td>
<td>BZ Bronze</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Warm Glow Dimming**

<table>
<thead>
<tr>
<th>15WQ2</th>
<th>15W LED</th>
<th>2722KS</th>
<th>2700K-2200K, 80+ CRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>20WQ2</td>
<td>20W LED</td>
<td>2722HS</td>
<td>2700K-2200K, 90+ CRI</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3022KS</td>
<td>3000K-2200K, 80+ CRI</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3022KH</td>
<td>3000K-2200K, 90+ CRI</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3522KS</td>
<td>3500K-2200K, 80+ CRI</td>
</tr>
</tbody>
</table>

**Notes:**
1. Not available with X3 LED
2. Not available for Warm Glow.

2. **Specify Remote Power Supply**

<table>
<thead>
<tr>
<th>RPB-01</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></td>
<td>09X3</td>
<td>120V - 277V</td>
<td>D4A Lutron ECO, 0.1% (2)</td>
<td>EM7</td>
</tr>
<tr>
<td></td>
<td>15X3</td>
<td></td>
<td>D4B Lutron H ECO, 1% Fade (2, 3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>09X3</td>
<td></td>
<td>D4C Lutron ECO, 1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15X3</td>
<td></td>
<td>D6A EldoLED 0-10V, 0.1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>09X3</td>
<td></td>
<td>D6B EldoLED 0-10V, 0.1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15X3</td>
<td></td>
<td>D6C EldoLED 0-10V, 1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15WQ2</td>
<td></td>
<td>D18 Moos DMX, 0.1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20WQ2</td>
<td></td>
<td>D19 Hatch Phase 2-wire, 1% (2)</td>
<td></td>
</tr>
</tbody>
</table>

**USAI Power Supply Must Be Specified**

---

**Specified Remote Power Supply Requirements:**

- Remote Emergency Option
- Remote Dimming Driver
- Grid Mounting Type

**Contact factory for other painted finish options for this component.**
BevelLED Mini® - B3RAM-UA
3” Round Adjustable for WoodWorks® Horizontal Slats

Millwork - B3RAM
For use with grid-mounted wood panel ceiling systems such as WoodWorks®

TRIM DETAILS
Millwork - B3RAM-25
1” Regress
1/16”
Bevel Trim Finish
Millwork collar finish
Glass Lens
3'/1/16” Ø

Millwork - B3RAM-40
1” Regress
1/16”
Bevel Trim Finish
Millwork collar finish
Glass Lens
3'/1/16” Ø

HOUSING OPTIONS
Flat Adjustable Housing: FTA-SB
for WoodWorks® Grille Tegular or
Linear Solid Wood ceiling panels

New Construction Housing: NC1-SB
Chicago Plenum Rated: NCCP-SB
for WoodWorks® Grille Tegular or
Linear Solid Wood ceiling panels

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

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BELOW CEILING APPEARANCE AND DIMENSIONS

BELOW CEILING DRAWINGS - Integration With Armstrong® WoodWorks® Ceilings

**WoodWorks® Linear Wood Panel Horizontal Slats**
Armstrong® PN: 8176
Description: **3.25” slats**
Light fixture installation must be coordinated with the ceiling installer to ensure accessibility.
* Install with Armstrong® BioAcoustic™ Infill panel #6657 to obscure through-slat views to light fixture housing

**WoodWorks® Grille Tegular Horizontal Slats**
Armstrong® PN: 662808, 663008, 662812, 663012
Description: **1.5” slats**
Light fixture installation must be coordinated with the ceiling installer to ensure accessibility.
* Install with Armstrong® BioAcoustic™ Infill panel #5823 to obscure through-slat views to light fixture housing

**FTA-SB**
- 5.30”
- 24”
- 8.3” clearance height above finished height of ceiling plane is required for light fixture housing installation

**NC1-SB & NCCP-SB**
- 6.75”
- 24”
- 9.75” clearance height above finished height of ceiling plane is required for light fixture housing installation

**FTA-SB**
- 5.30”
- 24”
- 7-3/8” clearance height above finished height of ceiling plane is required for light fixture housing installation

**NC1-SB & NCCP-SB**
- 6.75”
- 24”
- 8-7/8” clearance height above finished height of ceiling plane is required for light fixture housing installation
**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 Emergency Test Switch included with NC1 housing and integral driver only.
Above ceiling access required for service.

**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

<table>
<thead>
<tr>
<th>Remote Power Supply Dimming Option</th>
<th>Wire Gauge Required</th>
<th>RP Only</th>
<th>RP with EM Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNV-D4A</td>
<td>Lutron ECO, 0.1% (1)</td>
<td>14/12</td>
<td></td>
</tr>
<tr>
<td>UNV-D4B</td>
<td>Lutron 5 ECO, 5% (1, 2)</td>
<td>14/12</td>
<td></td>
</tr>
<tr>
<td>UNV-D4C</td>
<td>Lutron H ECO, 1% fade (1, 2)</td>
<td>14/12</td>
<td></td>
</tr>
<tr>
<td>UNV-D4D</td>
<td>Lutron ECO, 1%</td>
<td>14/12</td>
<td></td>
</tr>
<tr>
<td>UNV-D6A</td>
<td>EldoLED 0-10V, 0.1%</td>
<td>14/12</td>
<td>6.25&quot; W x 4&quot; L x 3&quot; H</td>
</tr>
<tr>
<td>UNV-D6B</td>
<td>EldoLED 0-10V, 0.1%</td>
<td>14/12</td>
<td>14.5&quot; W x 6.5&quot; L x 3&quot; H</td>
</tr>
<tr>
<td>UNV-D6C</td>
<td>EldoLED 0-10V, 1%</td>
<td>18/16</td>
<td></td>
</tr>
<tr>
<td>UNV-D6D</td>
<td>EldoLED DALI 0.1%</td>
<td>18/16</td>
<td></td>
</tr>
<tr>
<td>UNV-D18</td>
<td>Moons DMX, 0.1% (2)</td>
<td>14/12</td>
<td>6.25&quot; W x 3.75&quot; L x 3&quot; H</td>
</tr>
<tr>
<td>120V-D3</td>
<td>Lutron 2-wire phase</td>
<td>14/12</td>
<td>6.25&quot; W x 3.75&quot; L x 3&quot; H</td>
</tr>
<tr>
<td>120V-D19</td>
<td>Lutron 2-wire phase, 1% (1)</td>
<td>14/12</td>
<td>5.75&quot; W x 2.625&quot; L x 2&quot; H</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.
Adjustable fixtures are available with two trim options. The standard trim provided (-25-) has a horizontal trim lens and can be used for all tilt angles from 0°-40°. A cut-cone trim with a canted trim lens (-40-) is optionally available for reduced clipping at tilt angles from 25°-40°.

True hot aiming with center beam optics is adjustable, either tool-less or with a Phillips screwdriver. 0°-40° lockable vertical tilt with 360° lockable rotation.

Snap in accessory holder shipped with fixture accommodates 1 accessory.

USAI Lighting BeveLED Mini UA light fixtures are specifically designed for use with WoodWorks ceilings by Armstrong Ceiling Solutions. USAI fixture housings are provided with uniquely sized and patent-pending adjustable mounting brackets which accommodate extendable mounting bars. Standard mounting brackets provided are 5.5" tall and can be used with any USAI Lighting fixture housing. Mounting bars are required to install the light fixture and are not optional. UA2 extendable bars are provided standard and work with most Armstrong® tee-grid ceiling suspension systems from 16" – 24" spacings. Finished installations are seismically rated. Consult local codes for independent tie-ins.

FTA housing weighs 10 lbs. NC1 and NCCP housings weigh 11 lbs. NC1 housing with EM weighs 14 lbs.

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.

BioAcoustic™ Infill panel accessory is optionally available from Armstrong® Ceiling Solutions to complete the installation. See integration page drawings for specific infill product part number for each ceiling type. USAI Lighting provides a cutout template for each light fixture to ensure the material is cut to the correct size to frame light fixture aperture within ceiling panel.

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.

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

Consult factory or website for IES files. Tested in accordance with IESNA LM79.