SOLID STATE BOLLARDS

BDA8 SERIES-LED

SPECIFICATIONS

BOLLARD
Durable corrosion resistant extruded and cast aluminum construction. ¼” wall thickness.

LED POWER ARRAY™
Three-dimensional array consisting of 6 individual LED tubes fastened to a retaining plate equally spaced to provide 360° of even illumination output. Each LED tube consists of a circuit board populated with a multiple of LED’s which is fastened to a radial aluminum heat sink. A white polycarbonate lens and end caps protect each LED tube’s internal components and provides diffusion to prevent shadowing and striations.

INTERNAL LOUVER (IL) - A specular louver stack conceals the inner LED Power Array Module and provides uplight and glare control through the external clear polycarbonate lens.

CAST LOUVER (CL) - External cast aluminum louver stack protects the internal LED Power Array Module and provides uplight and glare control. An internal clear polycarbonate lens is integrated with the LED Power Array Module.

OPAL LENS (WP) - Exterior white polycarbonate lens protects the internal LED Power Array Module and provides a uniform white glow.

RADIAL LED MODULE
LED’S are mounted to a circular heatsink in a radial array. The radial LED module is concealed in the cap of the bollard. LED’s are not directly visible from angles above 90°.

PARABOLIC REFLECTOR (TR) - A specular Parabolic Reflector reflects a portion of the distribution from the radial LED module and provides a uniform wide angle throw through the outer clear polycarbonate lens.

LED EMITTERS
High Output LED’s are driven at 350mA for nominal 1 Watt output each. 70CRI Minimum. LED’s are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED DRIVER
UL and CUL recognized Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Consult Factory for (347-480VAC). Driver is mechanically fastened to a retaining bracket. Driver has a minimum 4KV of internal surge protection, 10KV & 20KV Surge Protector optional. Dimmable and High-Low Driver options available.

FINISH
Polyester powder coat incorporates four step iron phosphate process to pretreat metal surface for maximum adhesion. Top coat is baked at 400°F for maximum hardness and exterior durability.
**BDA8 SERIES-LED**

**SPECIFICATIONS**

**INSTALLATION**

- **6" Dia. Bolt Circle**
- **8" Base Plate Dia.**
- **Anchor Bolt (4) 3/8" x 10"**

**OPTICS**

- **Internal Louver**
  - Supplied with Clear Polycarbonate Lens
- **Cast Louver**
- **Opal Polycarbonate**
- **Radial LED Module**

**Ordering Information**

<table>
<thead>
<tr>
<th>Bollard</th>
<th>Optics</th>
<th># of LEDs</th>
<th>Color</th>
<th>Voltage</th>
<th>Mouting</th>
<th>Finish</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDA8-LED</td>
<td>VERTICAL POWER ARRAY</td>
<td>36LED (42 Watts)</td>
<td>NW (4000K)</td>
<td>Wall Mount</td>
<td>STANDARD TEXTURED FINISH</td>
<td>DIMMABLE DRIVER (0-10V PROVIDED)</td>
<td>DIM</td>
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<td></td>
<td></td>
<td>24LED (28 Watts)</td>
<td>CW (5000K)</td>
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<td></td>
<td>HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NONINTEGRATED MOTION SENSOR</td>
<td>HLSW</td>
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<td></td>
<td></td>
<td>18LED (21 Watts)</td>
<td>WW (3000K)</td>
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<td></td>
<td>INTERNAL HOUSE SIDE SHIELD</td>
<td>HS</td>
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<tr>
<td></td>
<td>RADIAL LED MODULE</td>
<td>18LED (21 Watts)</td>
<td>Other LED Colors Available Consult Factory</td>
<td></td>
<td></td>
<td>DUAL RECEPTACLE</td>
<td>DUP</td>
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<td></td>
<td>10KV Surge Protector</td>
<td>10SP</td>
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<td></td>
<td>20KV Surge Protector (277V &amp; 480V Only)</td>
<td>20SP</td>
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<td>For Smooth Finish Remove Suffix &quot;T&quot; (Example: RAL-9000)</td>
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<td>See USALTG.com for Additional Colors</td>
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**Other LED Colors Available Consult Factory**

*When mounting in soil, anchor bolt fasteners and other hardware must be protected from soil by grouting.*