**BDC8 SERIES-LED**

**SOLID STATE BOLLARDS**

**CONCRETE RISER**
Natural precast concrete body with light sandblast finish. A graffiti resistant sealer is applied to the surface. Internal electro-zinc plated steel cage provides additional strength for the structure and has threaded inserts welded to it for mounting the base plate and optical assembly. Base plate is ¼"galvanized steel.

**TOP CAP**
Natural precast concrete body with light sandblast finish. A graffiti resistant sealer is applied to the surface. Internal electro-zinc plated steel cage provides additional strength for the structure.

**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 upright 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 upright 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 (PR)** - 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.
## BDC8 SERIES-LED

### Specifications

#### Installation

- **11" DIA BOLT CIRCLE**
- **6"** (152mm) maximum burial depth
- **13" BASE PLATE DIA.**
- **MINIMUM ANCHOR BOLT PROJECTION**

#### Optics

- **INTERNAL LOUVER**
  - Supplied with clear polycarbonate lens
- **CAST LOUVER**
- **OPAL POLYCARBONATE**
- **VPA - Vertical Array**
  - Available in: 36 LED Max.
- **PARABOLIC REFLECTOR**
  - **PR**
- **RADIAL LED Module**
  - Available in: 18 LED Module

#### Ordering Information

<table>
<thead>
<tr>
<th>Bollard</th>
<th>Optics</th>
<th># of LEDs</th>
<th>Color</th>
<th>Voltage</th>
<th>Mounting</th>
<th>Finish</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDC8-LED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VERTICAL POWER ARRAY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTERNAL LOUVER</td>
<td></td>
<td>36LED</td>
<td>NW (4000K)</td>
<td>Standard</td>
<td></td>
<td></td>
<td>DIM</td>
</tr>
<tr>
<td>CAST LOUVER</td>
<td></td>
<td>24LED</td>
<td>CW (5000K)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPAL POLYCARBONATE</td>
<td></td>
<td>18LED</td>
<td>WW (3000K)</td>
<td></td>
<td></td>
<td></td>
<td>HL SW</td>
</tr>
<tr>
<td>PARABOLIC REFLECTOR</td>
<td></td>
<td></td>
<td></td>
<td>OTHER LED COLORS AVAILABLE</td>
<td>CONSULT FACTORY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADIAL LED MODULE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PARABOLIC REFLECTOR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>DIM</td>
</tr>
</tbody>
</table>

#### Notes

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

---

**U.S. Architectural Lighting**

860 West Avenue O, Palmdale, CA 93551

Phone (661) 233-2000  Fax (661) 233-2001

www.usaltg.com