Inula Bollard LED

**Order Code:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBL</td>
<td>Inula Bollard LED</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Series</strong></th>
<th>IBL Inula Bollard LED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>1.5' (consult factory) 2' (consult factory) 2.5' 3' 3.5' 4'</td>
</tr>
<tr>
<td><strong>Light Engine</strong></td>
<td>1Q 7.6w/577 lm 2Q90 14.1w/1156 lm 2Q180 14.1w/1156 lm 3Q 20.5w/1689 lm 4Q5 27.2w/2246 lm 4QD 27.2w/2246 lm</td>
</tr>
<tr>
<td><strong>CCT</strong></td>
<td>AM1 3000K 4000K 5000K</td>
</tr>
<tr>
<td><strong>Finish</strong></td>
<td>WH White</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>UNV 120-277V 120V 208V 240V 277V 347V 547V 480V</td>
</tr>
</tbody>
</table>

| **Options** | \*DM Dimming (0-10V) \*HL30 HI-Lo Switching 100-30% \*PC 11 Photocell Lower Power Version Decreases Light Output by 60% \*HP1 High Power Version Increases Light Output by 100% \*REC3 GFCI Receptacle with weatherproof cover \*REC2 GFCI Receptacle with padlockable in-use cover \*REC1 USB & Duplex Receptacle with weatherproof padlockable in-use cover \*REC4 USB & Duplex Receptacle with weatherproof padlockable in-use cover \*EM Emergency Battery Pack -20C |

**Product Modifications**

Please list modification requirements for review by factory:

**Approvals**

Please list modification requirements for review by factory:

**Date:**

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In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supersede all other printed or electronic versions.
Specifications

1. Fixture Housing - Die cast low-copper and low-iron aluminum fixture body provide corrosion resistance in marine environments.

2. Gasketing - (not shown) Continuous gaskets provide weather-proofing, dust, and insect control between castings.

3. LED Light Engine - (not shown) High efficiency LED light engine equipped with brand-name LEDs, available in 3000K, 4000K, 5000K CCT tolerance within a 3-step MacAdams ellipse, and Amber CCT. Suitable for max ambient temperatures up to 45°C.

4. Optics - (not shown) Proprietary vandal and UV resistant acrylic optic provides optimal light blending between quadrants.

5. Surge Protector - (not shown) Designed to protect luminaire from electrical surge (20kA).

6. Hi-Lo Switching Option - (not shown) Controlled switching between 100% and 30% power. See wiring diagrams for additional details.

7. Low Power Option - (not shown) 60% decrease in Lumen output in same physical package.

8. High Power Option - (not shown) 100% increase in Lumen output in same physical package.

9. Light Chamber - Castings around Light Engine are painted with special matte black light absorbing powder coat paint. Meets International Dark-Sky Association (IDA) requirements B0, U0, and G0 BUG ratings at 3000K CCT. Powers 2Q90, 2Q180, 3Q, or 4Q configurations (refer to lumen matrix on page 3).

10. Low-Temperature Emergency Battery Pack Option - (not shown) Provide 90 minutes of constant-power egress lighting when external power is lost. -20°C to +55°C ambient temperature operation.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the Inula Bollard LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see “Selux Terms and Condition of Sale.”

Listings and Ratings: Tested to INRTL Wet Location and IESNA LM-79-08 standards. LED tested to LM-80 standards.

Luminaire tested to IK10 standard, IDA Approved and Lighting Facts Certified.

Luminaire and LED tested at 25°C (77°F) ambient temperature.

LED LIFE - LED light engine provides a reported lumen maintenance of 93% at 36,000 hours. L70 calculated greater than 100,000 hours. NRTL Listed (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.
## ELECTRICAL SPECIFICATIONS at 120VAC-277VAC (at 347-480VAC)

<table>
<thead>
<tr>
<th>Light Engine</th>
<th>4QD/4QS</th>
<th>3Q</th>
<th>2Q180/2Q90</th>
<th>1Q</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LED CCT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3000K</td>
<td>2101</td>
<td>1580</td>
<td>1083</td>
<td>349</td>
</tr>
<tr>
<td>4000K</td>
<td>2246</td>
<td>1689</td>
<td>1156</td>
<td>349</td>
</tr>
<tr>
<td>5000K</td>
<td>464</td>
<td>349</td>
<td>239</td>
<td>464</td>
</tr>
<tr>
<td>AMBER</td>
<td></td>
<td></td>
<td>540</td>
<td>119</td>
</tr>
<tr>
<td><strong>Standard Power</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delivered Lumens (lm)</td>
<td>27.2 (29.6)</td>
<td>20.7 (22.6)</td>
<td>15.6 (17.0)</td>
<td>14.1 (15.4)</td>
</tr>
<tr>
<td>Wattage (W)</td>
<td>20.5 (22.3)</td>
<td>15.6 (17.0)</td>
<td>10.6 (11.6)</td>
<td>14.1 (15.4)</td>
</tr>
<tr>
<td>Efficacy (lm/W)</td>
<td>77.2 (71.0)</td>
<td>82.6 (75.9)</td>
<td>76.8 (70.3)</td>
<td>71.1 (65.1)</td>
</tr>
<tr>
<td><strong>High Power (HP) Option</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delivered Lumens (lm)</td>
<td>4202</td>
<td>3160</td>
<td>2166</td>
<td>2166</td>
</tr>
<tr>
<td>Wattage (W)</td>
<td>54.4 (59.2)</td>
<td>41.0 (44.6)</td>
<td>28.2 (30)</td>
<td>28.2 (30)</td>
</tr>
<tr>
<td>Efficacy (lm/W)</td>
<td>77.2 (67.8)</td>
<td>82.6 (75.9)</td>
<td>76.8 (70.3)</td>
<td>71.1 (65.1)</td>
</tr>
<tr>
<td><strong>EM Option</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delivered Lumens (lm)</td>
<td>2501</td>
<td>1881</td>
<td>1289</td>
<td>1289</td>
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### Profiles IBL-XX-4QD

<table>
<thead>
<tr>
<th>Height</th>
<th>2.5</th>
<th>3</th>
<th>3.5</th>
<th>4</th>
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<tbody>
<tr>
<td>50&quot;</td>
<td></td>
<td>56&quot;</td>
<td>42&quot;</td>
<td>48&quot;</td>
</tr>
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</table>


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Wiring

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Standard Wiring for 120-277V With (EM) Option
Standard wiring for 120-277V with (EM) option.

0-10V Dimming Option (DM) Wiring for 120-277V With (EM) Option
100% light output at 10V, down to 1% light output at 0V.

Hi-Lo Switching Option (HL30) Wiring With (EM) Option
120/240/277V. When red is energized, light output will be at "Lo" level.
## Optional Accessories

### Photo Cell (PC)
- Integrated in top cap for 360° of orientation adjustment in the field.

### GFCI Receptacle (REC)
- 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 18” (457mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

### USB & Duplex Receptacle (REC3)
- (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 18” (457mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

### GFCI Receptacle (REC2)
- 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 18” (457mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

### USB & Duplex Receptacle (REC4)
- (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 18” (457mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).
Mounting Information

**NOTES:**
1. BOLLARD ORIENTATION IS CRITICAL, ROD AND HAND HOLE LOCATIONS ARE CRITICAL.
2. LOCATE SINGLE BOLT AT HAND HOLE LOCATION.
3. ADEQUATE DRAINAGE MUST BE PROVIDED IN CONCRETE FOUNDATION.
4. CONDUIT SHOULD BE STUBBED UP ABOVE THE CONCRETE FOOTING.

**BOLT CIRCLE DETAIL (NOT TO SCALE)**

USE CAUTION WHEN SETTING ANCHOR BOLTS. BOLTS MUST BE VERTICALLY STRAIGHT AND CENTERED ON DIMENSIONS SHOWN.
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Photometry

1Q / 8W LED / 5000K CCT
Catalog #: IBL-X-1Q-50-XX-120-DS
Report #: 1197031-50
Maximum candela of 1256 at 42.5° from vertical.
Mounting Height = 4' (1.22 m)
577 Delivered Lumens
75 Lumens per Watt
B0-U0-G0

2Q90 / 14W LED / 5000K CCT
Catalog #: IBL-X-2Q90-50-XX-120-DS
Report #: 1197029-50
Maximum candela of 1229 at 42.5° from vertical.
Mounting Height = 4' (1.22 m)
1158 Delivered Lumens
82 Lumens per Watt
B0-U0-G0

2Q180 / 14W LED / 5000K CCT
Catalog #: IBL-X-2Q180-50-XX-120-DS
Report #: 1197024-50
Maximum candela of 1249 at 42.5° from vertical.
Mounting Height = 4' (1.22 m)
1156 Delivered Lumens
81 Lumens per Watt
B1-U0-G0
Photometry

3Q / 20W LED / 5000K CCT
Catalog #: IBL-X-3Q-50-XX-120-DS
Report #: 1197021-50
Maximum candela of 1223 at 42.5° from vertical.
Mounting Height = 4' (1.22 m)
1689 Delivered Lumens
82 Lumens per Watt
B1-U0-G0

4QS / 27W LED / 5000K CCT
Catalog #: IBL-X-4QS-50-XX-120-DS
Report #: 1197039-50
Maximum candela of 1232 at 42.5° from vertical.
Mounting Height = 4' (1.22 m)
2246 Delivered Lumens
83 Lumens per Watt
B1-U0-G0

4QD / 27W LED / 5000K CCT
Catalog #: IBL-X-4QD-50-XX-120-DS
Report #: 1197039-50
Maximum candela of 1232 at 42.5° from vertical.
Mounting Height = 4' (1.22 m)
2246 Delivered Lumens
83 Lumens per Watt
B1-U0-G0