

Project		Catalog #		Type	
Prepared by		Notes		Date	



# Lumière

## Eon 303 Bollard

### Bollard

#### Typical Applications

- Hospitality • Commerical Landscape • Outdoor Area/Site • Residential
- Architectural

**Interactive Menu**

- Order Information page 2
- Product Specifications page 2
- Lumen Maintenance page 3
- Options page 4
- Mounting Details page 4

#### Product Certification



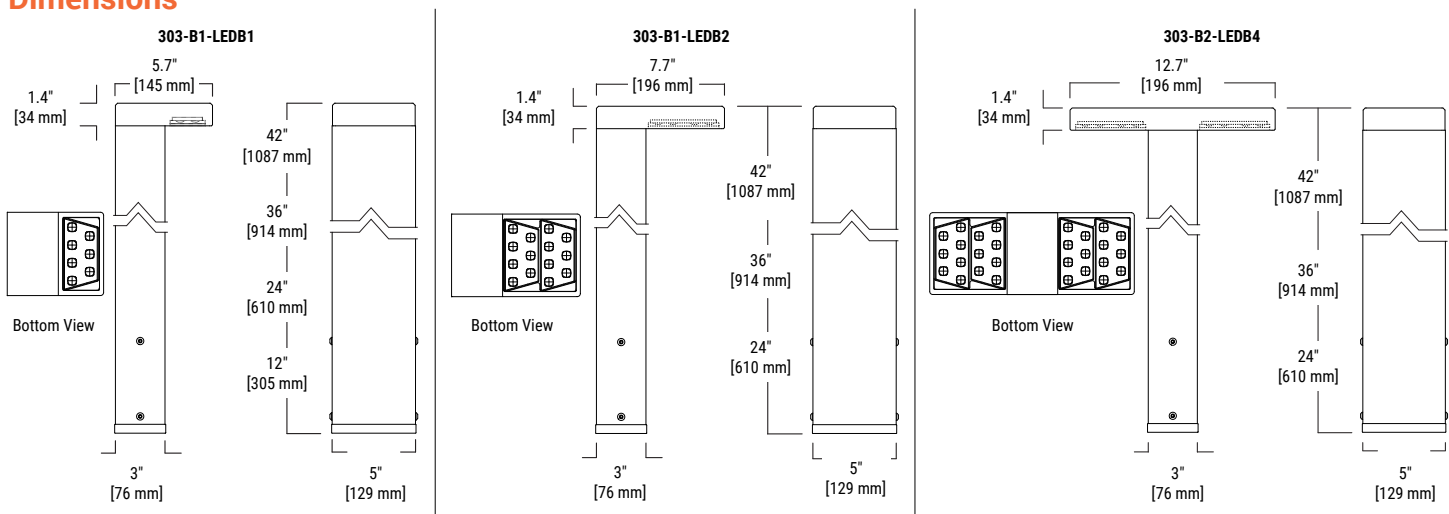
#### Product Features



### Top Product Features

- Available in one- or two-direction models
- Zero uplight Type II, Type IV, and Type V distributions
- Patented AccuLED Optics™ System behind a sealed clear glass lens
- 12", 24", 36", and 42" heights
- 120-277V input with ELV or 0-10V dimming options

### Dimensions



## Order Information

SAMPLE ORDER NUMBER: 303-B1-LEDB1-2700-120-T2-DIM10-BK-42-EDGE-PC1-RFL-LAB

Domestic Preferences	Series	Color Temperature	Input Voltage	Optics	Dimming	Finish	Height	Options
Domestic Preferences <sup>(1)</sup>	Series	Color Temperature	Input Voltage	Optics	Dimming	Finish <sup>(4)</sup>	Height <sup>(5)</sup>	Options <sup>(7)</sup>
<b>[Blank]</b> =Standard <b>BAA</b> =Buy American Act <b>BABA</b> =Build America Buy America Act	<b>303-B1-LEDB1</b> One-direction head contains one (1) Mini LightBAR™  <b>303-B1-LEDB2</b> One-direction head contains two (2) Mini LightBAR™  <b>303-B2-LEDB4</b> Two-direction head contains four (4) Mini LightBAR™	<b>2700K</b> =2700K <b>3000K</b> =3000K <b>3500K</b> =3500K <b>4000K</b> =4000K <b>TSAM</b> =Turtle Safe Amber (585-595nm)	<b>UNV</b> =120-277V <sup>(2)</sup> <b>120</b> =120V <b>277</b> =277V <sup>(3)</sup>	<b>T2</b> =Type II, Lateral Throw <b>T4</b> =Type IV, Forward Throw <b>T5X</b> =Type V, Extra Wide Flood	<b>DIMELV</b> =Trailing Edge Phase Dimming Driver <b>DIM10</b> =0-10V Dimming Driver	<b>Painted</b> <b>BK</b> =Black <b>BZ</b> =Bronze <b>CS</b> =City Silver <b>WT</b> =White  <b>Premium Paint</b> <b>AP</b> =Grey <b>DP</b> =Dark Platinum <b>GM</b> =Graphite Metallic <b>RALXX</b> =Custom Color <sup>(4)</sup>	<b>12</b> =12" <sup>(6)</sup> <b>24</b> =24" <b>36</b> =36" <b>42</b> =42"	<b>EDGE</b> =Edge lit glass lens <b>PC1</b> =Photocontrol 120V <sup>(8)</sup> <b>PC2</b> =Photocontrol 208-277V <sup>(8)</sup> <b>RIU</b> =Receptacle - In Use (120V Only) <sup>(8,9)</sup> <b>RFL</b> =Receptacle - Flip-Lid (120V Only) <sup>(8,9)</sup> <b>LAB</b> =Less Anchor Bolts & Template <sup>(10)</sup> <b>4SDCM</b> = 4 standard deviation color matching <sup>(11)</sup>
<b>Notes</b> (1) Only product configurations with these prefixes are built to be compliant with the Buy America Act of 1933 (BAA) or Buy America Build America Act (BABA). Please see the Compliance section in Product Specifications for more detail.	<b>Notes</b>	<b>Notes</b>	<b>Notes</b> (2) Universal Voltage (UNV) is standard unless specifying Photocontrol or Receptacle (RIU or RFL - 120V) options. (3) Specify for PC2 option only.	<b>Notes</b>	<b>Notes</b>	<b>Notes</b> (4) Custom and RAL color matching available upon request. Consult factory for further information.	<b>Notes</b> (5) Bollard heights are nominal (shown in inches). (6) Only available on B1-LEDB1 model, not compatible with RIU or RFL options.	<b>Notes</b> (7) Add suffix in the order shown. (8) Must specify voltage when ordering. (9) Not available on B2-LEDB4 model (10) When specifying LAB option the anchor bolts and template need to be ordered separately 7581-01PK. (11) 4-step MacAdam ellipse LED binning. Extended lead times may apply, see your Cooper Lighting Solutions representative for details.

## Product Specifications

### Construction

- The head of the 303-B1-LEDB1 is precision machined from corrosion resistant 6061-T6 aluminum
- The extruded aluminum shaft mounts to an adjustable cast base, made from a corrosion resistant aluminum alloy
- Patented LumaLevel(TM) leveling system provides quick installation and adjustment while ensuring secure mounting and protection from vibration. Construction includes mounting base, 70 shore neoprene footing, and stainless steel hardware
- Stainless steel hardware is included
- Four (4) 3/8" x 12" galvanized anchor bolts and a galvanized steel anchor bolt template are standard
- Anchor bolts and template can be ordered separately for rough-in using catalog 7581-01PK. Specify fixture option -LAB

### Electrical

- A universal input driver, compatible with ELV trailing edge phase dimming, is standard
- 0-10V dimming option is available
- The receptacle option incorporates a specification grade, 120V, 15A tamper proof and weather resistant duplex GFCI
- Photocell options available for either 120V or 277V inputs

### Optical

- LightBAR™ and optical assembly are sealed by a clear, impact resistant tempered glass lens
- Three optical distributions available: T2 (lateral throw), T4 (forward throw) and T5X (Flood)
- Available in several color temperatures: 2700K, 3000K, 3500K, 4000K and TSAM (Amber)
- Both color temperature and distribution must be specified when ordering – see catalog logic for details
- Lit edge lens option is available
- Standard LED color binning is 5-step MacAdams Ellipse 4-step binning is available as an option

### Finish

- Luminaire and mounting base are double protected by a RoHS compliant chemical film undercoating and polyester powdercoat paint finish
- The mounting base is painted black
- The luminaire housing and head are available in a variety of standard colors
- RAL and custom colors also available. Additional charges and lead time apply
- The LightBAR™ cover plates are standard white

### Compliance

- cULus Wet Location listed for up to 50°C ambient environments
- Tested according to IESNA LM-79 and LM-80 procedures
- RoHS Compliant
- BAA domestic preference option meets BAA requirements
- BABA domestic preference option meets BABA requirements. BABA products meet minimum government compliance requirements for Buy America Build America standard, part of the Infrastructure and Investment Jobs Act (IIJA). Individual government agencies may have more stringent compliance standards
- See **DOMESTIC PREFERENCES** website or consult the CLS Domestic Preferences team for more information
- IP66 rated
- Dark Sky Approved (3000K CCT and warmer only)

### Warranty

- Five-year limited warranty. Consult website for details: [www.cooperlighting.com/legal](http://www.cooperlighting.com/legal)

## Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	TM-21 Reported L70(10k) (Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 60,000	365,000
40°C			
50°C			

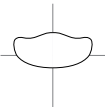
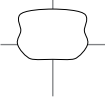
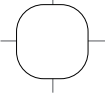
## Current Draw

Model	Line Voltage	Current Draw
303-B1-LEDB1	120-277V, 50/60Hz	0.068A
303-B1-LEDB2	120-277V, 50/60Hz	0.13A
303-B2-LEDB4	120-277V, 50/60Hz	0.26A

## Max Load Rating

Options	Line Voltage	Max Load Rating
PC1	120V, 50/60Hz	1000VA, 8.3A
PC2	208-277V, 50/60Hz	
RIU or RFL	120V, 50/60Hz	1800VA, 15A

## Lumens - CRI/CCT Table

Optic Type	Distribution	CCT (K) / Color	CRI nom. / Wavelength	B1-LEDB1				B1-LEDB2				B2-LEDB4			
				Watts	Delivered Lumens	LPW	B-U-G Rating	Watts	Delivered Lumens	LPW	B-U-G Rating	Watts	Delivered Lumens	LPW	B-U-G Rating
T2 (Lateral Throw)		2700	90	8.5	565	67	B0-U0-G0	15.5	1215	78	B0-U0-G0	30.6	2408	79	B1-U0-G1
		3000	80		581	68			1250	81			2477	81	
		3500	80		632	74			1359	88			2693	88	
		4000	80		618	73			1329	86			2634	86	
		TSAM	585-595nm	6.5	184	28	12.1	398	33	24	781	33			
T4 (Forward Throw)		2700	90	8.5	588	69	B0-U0-G0	15.5	1264	82	B0-U0-G1	30.6	2504	82	B1-U0-G2
		3000	80		605	71			1300	84			2575	84	
		3500	80		657	77			1413	91			2800	92	
		4000	80		643	76			1382	89			2739	90	
		TSAM	585-595nm	6.5	180	28	12.1	380	31	24	764	32			
T5X (Extra Wide Flood)		2700	90	8.5	571	67	B0-U0-G0	15.5	1227	79	B0-U0-G1	30.6	2431	79	B1-U0-G3
		3000	80		587	69			1262	81			2501	82	
		3500	80		638	75			1372	89			2719	89	
		4000	80		624	73			1342	87			2660	87	
		TSAM	585-595nm	6.5	161	25	12.1	347	29	24	689	29			

NOTES: 1 When the LCF option is selected use a lumen multiplier of .85

## Options

### Receptacle Options (120V Only)

**RIU - Receptacle In-Use**

3"  
[76mm]

16"  
[406mm]

GFCI is enclosed in a gray housing with durable UV-resistant polycarbonate clear cover. Note: Cover remains weatherproof with cord plugged-in and the receptacle is not required to be attended while in-use. Receptacle is a specification grade, 120V, 15A tamper- and weather-resistant duplex GFCI. Only available on B1 models 24" tall or greater.

**RFL - Receptacle Flip Lid**

1"  
25mm

16"  
406mm

Cover is constructed of a durable, die-cast zinc-alloy and is painted to match fixture. Cover is only weatherproof without the cord plugged in and the cover closed. The receptacle will need to be attended while in use. Receptacle is a specification grade, 120V, 15A tamper- and weather-resistant duplex GFCI. Only available on B1 models 24" tall or greater.

### Photocontrol

**PC1 (120V) or PC2 (277V)**

4.1"  
[104mm]

2.6"  
[66mm]

0.4"  
[10mm]

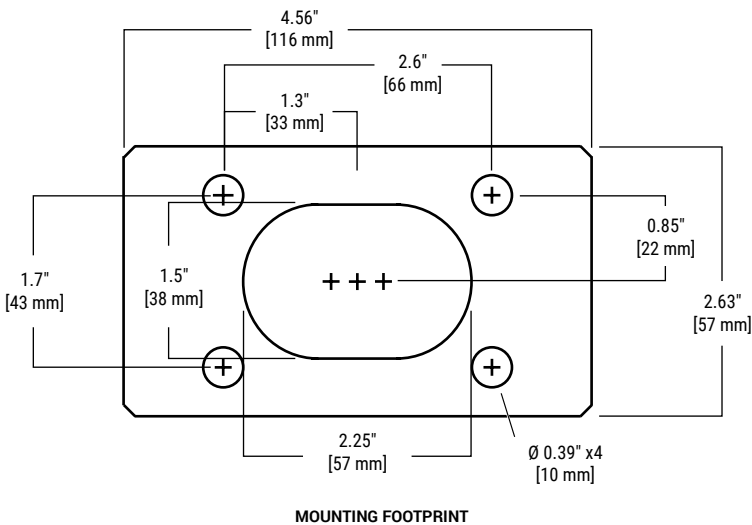
Photocontrol cover is precision machined from corrosion-resistant 6061-T6 aluminum and is secured to bollard head with tamper resistant stainless steel hardware. The photocontrol option is available in dedicated 120V or 208-277V. When specifying a photocontrol option make sure to designate the appropriate voltage within the catalog logic.

### Edge

Edge Glow

When specifying with the EDGE option, the diffused glass becomes thicker adding a visible line of light around the edge accentuating the luminaires' aesthetics and styling.

## Mounting Details



## Technical Notes

- Adjustable mounting base - Cast aluminum mounting base is equipped with the patented LumaLevel™ leveling system that includes mounting base, 70 shore neoprene base, stainless steel hardware and a slot to accommodate two inbound and outbound 3/4" conduits. It provides quick installation, easy adjustment, secure mounting and protection from vibration.