

## DESCRIPTION

Eon 303-B1-LEDB2 is a compact, low profile, dimmable, LED bollard that provides downlight only via a fixed head. 303-B1-LEDB2 has a single head on one side of the luminaire. The bollard comes standard with universal input LED drivers (120-277V, 50/60 Hz). Dimming is achieved with a standard ELV, reverse phase dimming driver or an optional 0-10V dimming driver. Eon fixtures may be used indoors or outdoors and carry an IP66 rating. The patented LumaLevel™ leveling system provides quick installation, easy adjustment, secure mounting and protection from vibration.

Catalog #	Type
Project	
Comments	Date
Prepared by	

## SPECIFICATION FEATURES

### Construction

The head of the 303-B1-LEDB2 is precision machined from corrosion-resistant 6061-T6 aluminum. Body is extruded aluminum and adjustable mounting base is cast from corrosion resistant aluminum alloy. Stainless steel hardware is included. Four (4) 3/8" x 12" galvanized anchor bolts and a galvanized steel anchor bolt template are standard. Specify option -LAB and order the anchor bolt/template kit separately (Catalog: 7581-01PK).

### Optical

LightBAR™ and optical assembly are sealed by a clear, impact resistant tempered glass lens. The optical assembly is available in three distributions: 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. An edge-lit option is available.

### Electrical

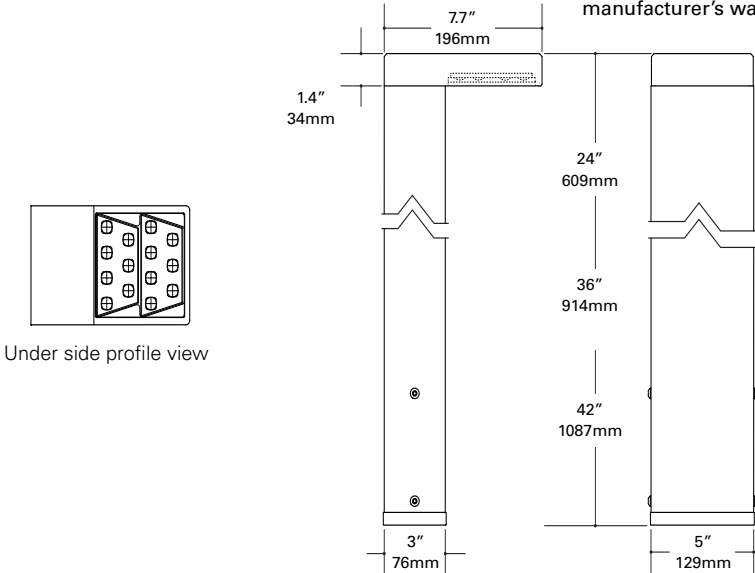
The bollard is standard with an ELV trailing edge phase dimmable driver that accepts a universal input (120-277, 50/60Hz). The standard driver is ELV trailing edge phase dimable. An optional 0-10V dimming driver is also available. Both driver options incorporate surge protection. The receptacle option incorporates a specification grade, 120V, 15A tamper proof and weather resistant duplex GFCI. The photocell option comes in either a 120V or 277V. Please see Option section for more detail.

### 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 color matches are available upon request. As an option, the Eon bollards are also available in colors to match other outdoor Eaton product lines, such as Invue. See the Finish section in the ordering detail for more detail. The LightBAR™ cover plates are standard white.

### Warranty

Lumière warrants the EON series of fixtures against defects in material and workmanship for five (5) years. Auxiliary equipment such as LED drivers carries the original manufacturer's warranty.



Under side profile view

## 303-B1-LEDB2 EON LED

### APPLICATIONS: BOLLARD

### CERTIFICATION DATA

UL and cUL Wet Location Listed  
LM79 / LM80 Compliant  
ROHS Compliant  
IP66 Ingress Protection Rated

### TECHNICAL DATA

50°C Maximum Temperature Rating  
External Supply Wiring 90°C Minimum



## ORDERING INFORMATION

Sample Number: 303-B1-LEDB2-2700-120-T2-DIM10-BK-42-EDGE-PC1-RFL-LAB

Series <sup>1</sup>	Color Temperature	Input Voltage	Optics	Dimming	Finish <sup>3</sup>	Height <sup>4</sup>	Options <sup>5</sup>
303-B1-LEDB2 Head contains two (2) Mini LightBAR™	2700=2700K 3000=3000K 3500=3500K 4000= 4000K TSAM=Turtle Safe Amber (585-595nm)	UNV=120-277V <sup>1</sup> 120=120V 277=277V <sup>2</sup>	T2 = Type II, Lateral Throw T4 = Type IV, Forward Throw T5X = Type V, Extra Wide Flood	DIMELV=Trailing Edge Phase Dimming Driver DIM10=0-10V Dimming Driver	Painted BK=Black BZ=Bronze CS=City Silver WT=White <b>Premium Paint</b> AP=Grey DP=Dark Platinum GM=Graphite Metallic	24=24" 36=36" 42=42"	EDGE=Edge lit glass lens PC1=Photocontrol 120V <sup>6</sup> PC2=Photocontrol 208-277V <sup>6</sup> RIU=Receptacle - In Use (120V Only) <sup>6</sup> RFL=Receptacle - Flip-Lid (120V Only) <sup>6</sup> LAB=Less Anchor Bolts & Template <sup>7</sup>

**NOTES:** 1 Universal Voltage (UNV) is standard unless specifying Photocontrol or Receptacle (RIU or RFL - 120V) options. 2 Specify for PC2 option only. 3 Custom and RAL color matching available upon request. Consult factory for further information. 4 Bollard heights are nominal (shown in inches). 5 Add suffix in the order shown. 6 Must specify voltage when ordering. 7 When specifying LAB option the anchor bolts and template need to be ordered separately 7581-01PK. 8 DesignLights Consortium™ Qualified and classified for DLC Standard. Refer to [www.designlights.org](http://www.designlights.org) for details on exact qualified EON 303-B1-LEDB2 product as not all configurations are DLC classified.

## 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-LEDB2	120-277V, 50/60Hz	0.13A

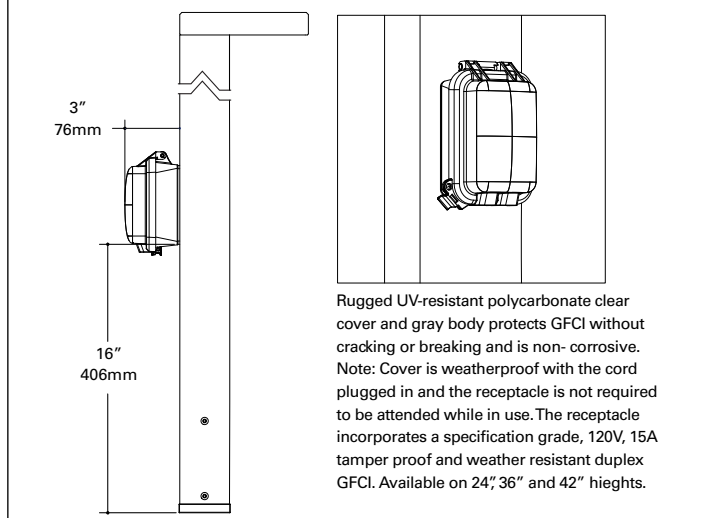
## MAX LOAD RATING

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

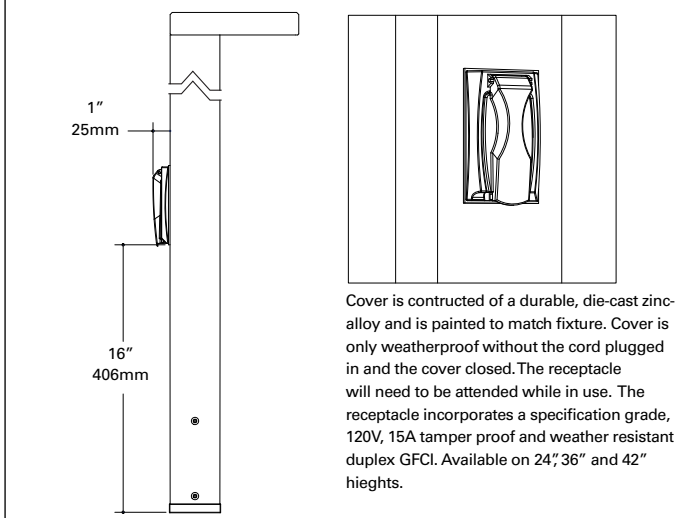
## OPTIONS

### Receptacle Options (120V Only)

#### RIU - Receptacle In-Use

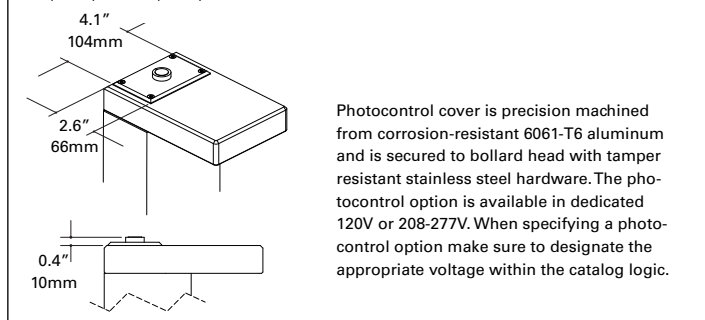


#### RFL - Receptacle Flip Lid

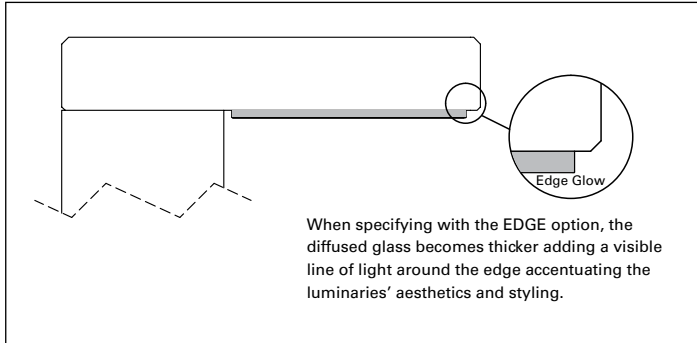


### Photocontrol

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



### Edge



## 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.

## LUMENS - CRI/CCT TABLE

Optic Type	Distribution	Watts	Delivered Lumens	LPW	CCT (K) / Color	CRI nom. / Wavelength	B-U-G Rating
T2 (Lateral Throw)		15.5	783	51	2700	95	B1-U0-G1
			1300	84	3000	75	
			909	59	3500	85	
			1433	93	4000	75	
		12.1	398	31	TSAM (Amber)	585-595nm	
T4 (Forward Throw)		15.5	747	48	2700	95	B0-U0-G0
			1241	80	3000	75	
			868	56	3500	85	
			1368	88	4000	75	
		12.1	380	29	TSAM (Amber)	585-595nm	
T5X (Extra Wide Flood)		15.5	682	44	2700	95	B1-U0-G0
			1132	73	3000	75	
			792	51	3500	85	
			1248	81	4000	75	
		12.1	347	27	TSAM (Amber)	585-595nm	