

Project		Catalog #		Type	
Prepared by		Notes		Date	

DRC



PZ23-12000054

EON 303-B1-LED32

Bollard

Typical Applications

Hospitality • Commercial Landscape • Outdoor Area/Site • Residential • Architectural

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Product Certification



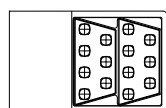
Product Features



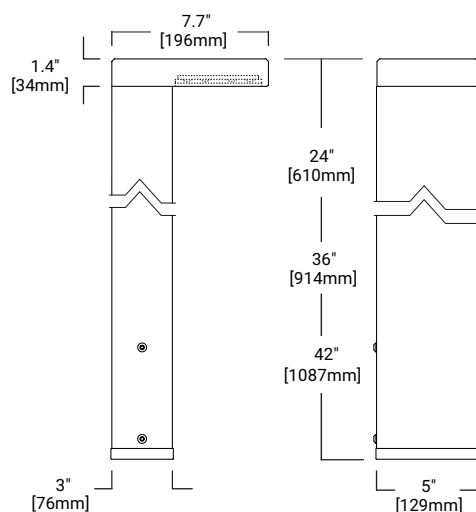
Top Product Features

- Full Cut Off Downlight, 12", 24", 36" or 42" height
- 2700K, 3000K or 3500 or 4000K Color Temperature and Amber (585-595nm)
- Type II, Type IV or Type V Optics with clear glass sealed lens
- Patented AccuLED Optics™ System
- Universal Input LED Driver Included (120 - 277V, 50/60 Hz)
- ELV or 0-10 Dimming

Dimensions



Under side profile view



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

Order Information

SAMPLE ORDER NUMBER: 303-B1-LEDB2-2700-120-T2-DIM10-BK-42-EDGE-PC1-RFL-LAB

Domestic Preferences	Series	Color Temperature	Input Voltage	Optics	Dimming	Finish	Height	Options
Domestic Preferences ⁽⁸⁾	Series	Color Temperature	Input Voltage	Optics	Dimming	Finish ⁽³⁾	Height ⁽⁴⁾	Options ⁽⁵⁾
[Blank]=Standard BAA=Buy American Act	303-B1-LEDB2 Head contains two (2) Mini LightBAR™	2700K=2700K 3000K=3000K 3500K=3500K 4000K=4000K TSAM=Turtle Safe Amber (585-595nm)	UNV=120-277V ⁽¹⁾ 120=120V 277=277V ⁽²⁾	T2=Type II Lateral Throw T4=Type IV Forward Throw T5X=Type V, Extra Wide Flood	DIMELV= trailing Edge Phase Dimming Driver D110=0-10V Dimming Driver	Painted BK=Black BZ=Bronze CS=City Silver WT=White Premium Paint AP=Grey DP=Dark Platinum GM=Graphite Metallic	34=34" 36=36" 42=42"	EDGE=Edge lit glass lens PC1=Photocontrol 120V ⁽⁶⁾ PC2=Photocontrol 208-277V ⁽⁶⁾ RIU=Receptacle - In Use (120V Only) ⁽⁶⁾ RFL=Receptacle - Flip-Lid (120V Only) ⁽⁶⁾ LAB=Less Anchor Bolts & Template ⁽⁷⁾
Notes (8) Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	Notes	Notes	Notes (1) Universal Voltage (UNV) is standard unless specifying Photocontrol or Receptacle (RIU or RFL - 120V) options. (2) Specify for PC2 option only.	Notes	Notes	Notes (3) Custom and RAL color matching available upon request. Consult factory for further information.	Notes (4) Bollard heights are nominal (shown in inches).	Notes (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.

Product Specifications

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
- 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 universal 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 Cooper Lighting Solutions product lines, such as Invue

- See the Finish section in the ordering detail for more detail
- The LightBAR™ cover plates are standard white.

Approvals

- UL and cUL listed, standard wet label
- Tested according to IESNA LM-79 and LM-80 procedures
- ROHS Compliant
- IP66 Ingressed Protection rated

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

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			

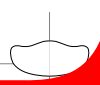
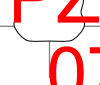
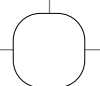
Current Draw

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

Lumen CRI/CCT Table

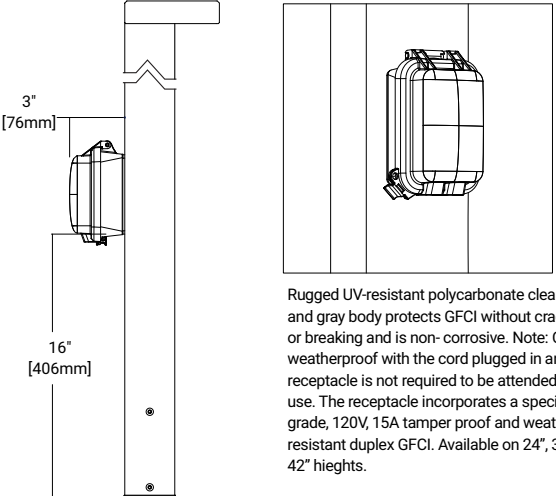
Optic Type	Distribution	Watts	Watts	Watts	CCT (K)	CRI nom. / Wavelength	B-U-G Rating
T2 (Lateral Throw)		15.5	1215	82	2700	90	B0-U0-G0
			1250	88	3000	80	
			1359	88	3500	80	
			1329	86	4000	80	
T4 (Forward Throw)		12.1	398	33	TSAM	585-595nm	B0-U0-G1
			1264	82	2700	90	
			1300	84	3000	80	
			1413	91	3500	80	
T5X (Extra Wide Flood)		15.5	1382	89	4000	80	B0-U0-G1
			1211	80	3000	80	
			1227	79	2700	90	
			1262	81	3000	80	
		12.1	1372	89	3500	80	B0-U0-G1
			1342	87	4000	80	
			347	29	TSAM	585-595nm	

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

Options

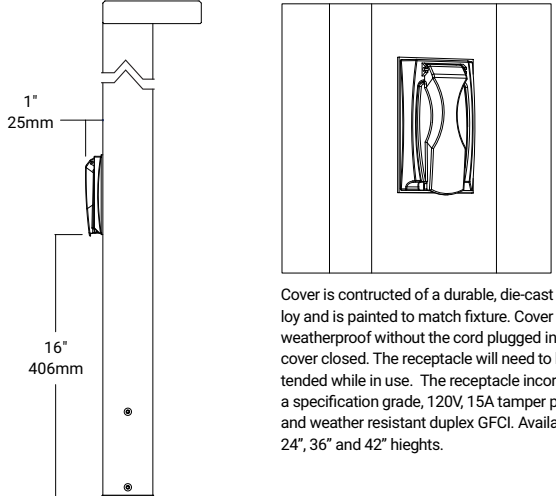
Receptacle Options (120V Only)

RIU - Receptacle In-Use



Rugged UV-resistant polycarbonate clear cover and gray body protects GFCI without cracking or breaking and is non-corrosive. Note: Cover is weatherproof with the cord plugged in and the receptacle is not required to be attended while in use. The receptacle incorporates a specification grade, 120V, 15A tamper proof and weather resistant duplex GFCI. Available on 24", 36" and 42" heights.

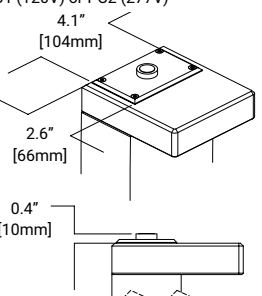
RFL - Receptacle Flip Lid



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. The receptacle incorporates a specification grade, 120V, 15A tamper proof and weather resistant duplex GFCI. Available on 24", 36" and 42" heights.

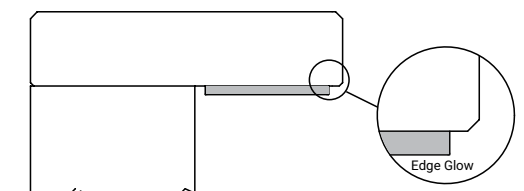
Photocontrol

PC1 (120V) or PC2 (277V)



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



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.

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.