

Project		Catalog #		Type	
Prepared by		Notes		Date	



Lumière

EON 303-B1-LEDB1

Bollard

Typical Applications

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

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Product Certification



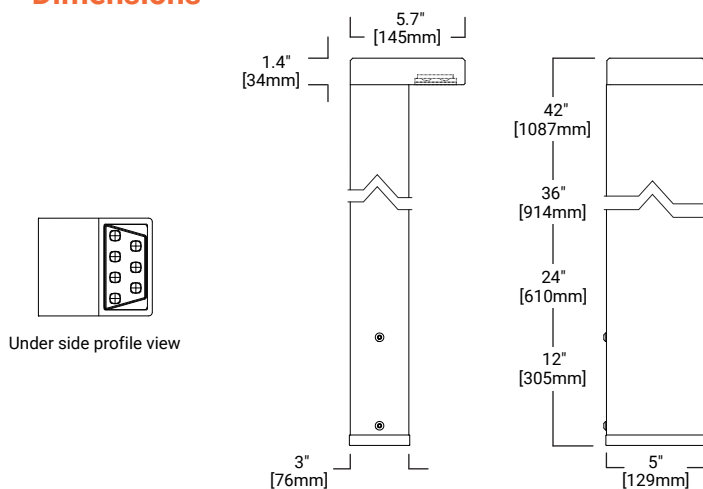
Product Features



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



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

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 ⁽⁹⁾	Series	Color Temperature	Input Voltage	Optics	Dimming	Finish ⁽³⁾	Height ⁽⁴⁾	Options ⁽⁶⁾
[Blank] =Standard BAA =Buy American Act	303-B1-LEDB1 Head contains one (1) 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 DIM10 =0-10V Dimming Driver	Painted BK =Black BZ =Bronze CS =City Silver WT =White Premium Paint AP =Grey DP =Dark Platinum GM =Graphite Metallic	12 =12" ⁽⁵⁾ 24 =24" 36 =36" 42 =42"	EDGE =Edge lit glass lens PC1 =Photocontrol 120V ⁽⁷⁾ PC2 =Photocontrol 208-277V ⁽⁷⁾ RIU =Receptacle - In Use (120V Only) ⁽⁷⁾ RFL =Receptacle - Flip-Lid (120V Only) ⁽⁷⁾ LAB =Less Anchor Bolts & Template ⁽⁸⁾
Notes (9) 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). (5) 12" length not available with RIU or RFL options.	Notes (6) Add suffix in the order shown. (7) Must specify voltage when ordering. (8) 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-LEDB1 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)
- 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

Approvals

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

Compliance

- Dark Sky Approved (3000K CCT and warmer only)

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-LEDB1	120-277V, 50/60Hz	0.068A

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	Watts	Delivered Lumens	LPW	CCT (K) / Color	CRI nom. / Wavelength	B-U-G Rating
T2 (Lateral Throw)		8.5	565	67	2700	90	B0-U0-G0
			581	68	3000	80	
			632	74	3500	80	
			618	73	4000	80	
			6.5	184	28	TSAM	
T4 (Forward Throw)		8.5	588	69	2700	90	B0-U0-G0
			605	71	3000	80	
			657	77	3500	80	
			643	76	4000	80	
			6.5	180	28	TSAM	
T5X (Extra Wide Flood)		8.5	571	67	2700	90	B0-U0-G0
			587	69	3000	80	
			638	75	3500	80	
			624	73	4000	80	
			6.5	161	25	TSAM	

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 GFCL 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 GFCL. 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 GFCL. 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.