

LP Series Bollard

LED Illuminated Bollard

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LPBZD490BK2



36" H x 5" W x 5" D

Features

Illumination: The LP Series Bollard can be specified to utilize from one to four white LED light engines. Each LED light engine is manufactured using three 3500 kelvin white LED devices supported by a LED driver circuit designed specifically to support this LED light engine. Power consumption per LED light engine is 10 W max, and supports a continuous duty service life of 10 years or 40,000 hours to 75% illumination levels.

Housing: The LP Series Bollard is fabricated in a heat formed pultruding process that utilizes fiberglass reinforced polymers as the base process material. The anchor base model includes a specially designed heavy gauge galvanized base collar with provisions for a four bolt anchoring system. All exposed hardware is stainless steel, with the LED light engines embedded and sealed within the composite structure. The bollard is painted via an automated paint system, with LED light engines finished in a durable power coat paint process.

Operation:

The LP Series Bollard can be used for both general and/or emergency illumination and is designed to be installed via 1/4"-20"x8"x2" stainless steel anchors secured in concrete, or other solid surfaces. A 2" conduit entry area is available through the bottom of unit. The product is also available in a direct burial model which is supplied with a below grade conduit entry area. Product supplied with single and multiple LED luminaires includes a convenient wiring harness that is suitable for hardwiring to the utility input. Low voltage models should be hardwired to accept both "Normally On" and "Emergency" power from the LP Series Bollard remote mounted power panel. To effectively control light spill and light trespass, the LP Series Bollard can be specified to include from one to four LED light engines installed on any side of the product.

Operating Temperature

Range:

-31°F (-35°C) to 104°F (40°C)

Code Compliance

ETL listed to UL standards 1598 and 1838.

Warranty

Three year full warranty on electronics and composite bollard body.

Job Information Type:

Job Name:

Cat. No.:

Notes:

PHILIPS
LIGHTOLIER

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Ordering Information

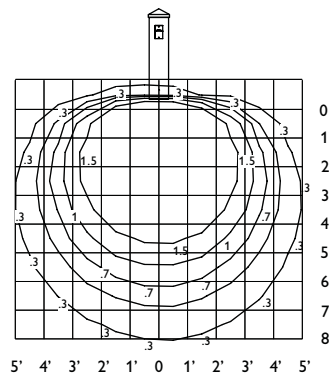
LP					
Series	Bollard Finish	Base Type	Luminaires & Orientation	Luminaire Finish	Input Voltage
LP = Low Level Emergency Lighting Product	BK = Black BZ = Bronze XX = Custom	A = Anchor Base D = Direct Burial L = Lag Bolt	190 = (1) @ 90 Degrees 290 = (2) @ 90 Degrees 390 = (3) @ 90 Degrees 490 = (4) @ 90 Degrees 2180 = (2) @ 180 Degrees	BK = Black BZ = Bronze WH = White XX = Custom	1 = 12 VAC/VDC 2 = 120 VAC

Accessories (order as a separate item)

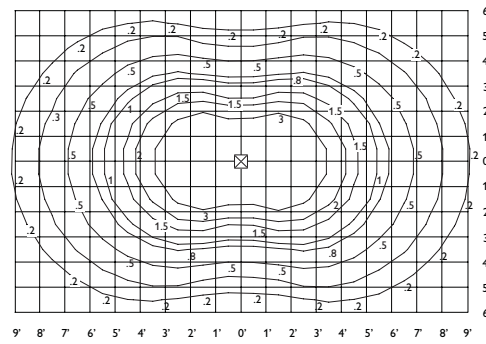
LPE = Low Voltage Power System for Normal and Emergency Power Support (compatible with 12 VAC/VDC models only).

Optics

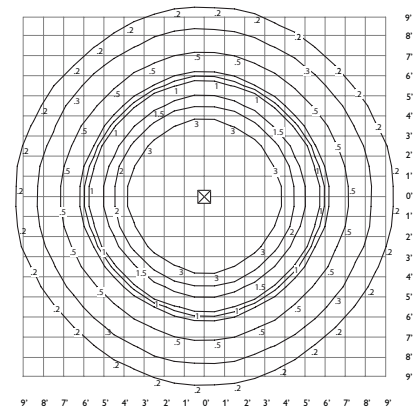
Single Light Engine



Dual (180°) Light Engine

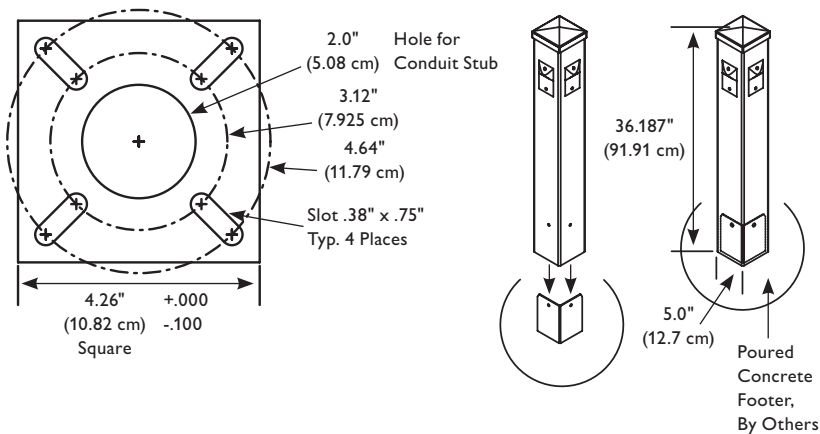


Quad (4 x 90°) Light Engines



Installation Detail

Base Details



Lumen Output

The following data represents absolute lumen output in accordance with test method IESNA LM-79-08.

	Vertical, Lumens		
	Low	Med	High
12 VAC/VDC	57.1	123.5	156.0
120 VAC	65.5	123.8	156.0

* The optics layout shown is intended to be used as reference only. Standard reflectances used were 80/50/20. Lightolier is not responsible for site specific conditions that may alter the results.



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Specifications are subject to change without notice.
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Job Information Type: