

PCBR-DTL

Round Illuminating Bollard with Louvered Domed-Top Head



DESCRIPTION

Round Domed-Top illuminating bollard combines durability, efficiency, and versatility in a sleek design, making it ideal for pathways, landscapes, and architectural accents. Constructed with a premium powder-coated aluminum housing in dark bronze or black, it withstands demanding environments with an operating temperature range of -40°F to 131°F and robust IP65 protection. The high-impact polycarbonate lens delivers uniform illumination with field-selectable CCTs (3000K, 4000K, 5000K) and tri-lumen outputs from 905 to 1,692 lumens, supported by long-life LEDs. Standard 0-10V dimming, universal 120-277V input, and integrated surge protection ensure reliable performance, while cULus wet-location certification and FCC compliance confirm quality and code adherence. An anchor bolt mounting kit provides secure installation, and all electronics and housing are backed by a 5-year warranty.



Date: _____ Type: _____ Catalog Number: _____

Project Name: _____

ORDERING INFORMATION

LUMINAIRE					
MODEL	HEIGHT	OUTPUT	CCT	INPUT VOLTAGE	FINISH
PCBR-DTL Round Illuminating Bollard with Dome-Top Head with Louvers	44 44" Height	SW Selectable Power Level	SK Selectable Kelvin (3000K/4000K/5000K)	UNV 120-277V	BL Black DB Dark Bronze CC Custom RAL Color

Custom options are available; consult factory for assistance via phone at (864) 487-3535 ext. 258 or via email at DesignServices@EXP-Brands.com.

MOUNTING KIT *(Required, Ordered Separately)*

MODEL
PCBR-MK Mounting Kit for Round Pantheon Core Bollards; Includes Mounting Instructions and Hardware



SELECTABLE
POWER & CCT



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PHYSICAL	HOUSING	Die-Cast Aluminum with Premium Powder Coat Finish
	LENS	High-Impact Polycarbonate
	MOUNTING	Mounted via Anchor Bolts; Mounting Kit Available Separately (PCBR-MK)
	OVERALL DIMENSIONS	Bollard ø6" x 44" Height
	WEIGHT	13 Pounds
	OPERATING TEMPERATURE	-40° F to 131° F
	SWITCH DEFAULTS	Default Switch Positions are Highest Power Level @ 4000K

ELECTRICAL	POWER (field selectable)	From 12 to 23 Watts
	CURRENT	See "Light Distributions" Section Below.
	VOLTAGE	Universal 120-277 AC Voltage (50-60Hz)
	DRIVER	0-10vdc Dimming Driver
	TOTAL HARMONIC DISTORTION	< 20%
	POWER FACTOR	> 0.90
	SURGE SUPPRESSION	4kV Input Transient Surge Protection

PHOTOMETRIC	LED	Field-Selectable 3000K, 4000K, and 5000K
	DELIVERED LUMEN OUTPUT	From 905 to 1692 Delivered Lumens
	EFFICACY	From 69 to 79 Lumens per Watt
	COLOR RENDERING INDEX	> 80
	CHROMATICITY	LED color maintenance < 0.003 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
	LUMEN MAINTENANCE*	L70 > 163,000 Hours L90 > 50,000 Hours

LIGHT DISTRIBUTIONS	MEASUREMENTS	LOW LUMENS			MID LUMENS			HIGH LUMENS		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
	LUMENS	905	973	983	1263	1351	1359	1573	1692	1687
	WATTS	13	12	13	18	17	18	23	22	23
	EFFICACY	71	79	77	71	78	76	69	76	74
	INPUT CURRENT @ 120V	0.11A	0.01A	0.11A	0.15A	0.14A	0.15A	0.19A	0.18A	0.19A
	INPUT CURRENT @ 277V	0.05A	0.04A	0.05A	0.06A	0.06A	0.06A	0.08A	0.08A	0.08A

Values reflect delivered lumens at full output.

CERTIFICATIONS	SAFETY	cULus Certified for Wet Locations
	INGRESS PROTECTION	IP65
	CODE COMPLIANCE	Complies with FCC Part 15, Class A
	WARRANTY	Five Year Limited Warranty

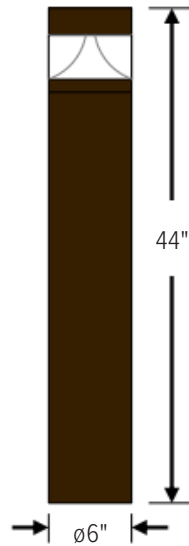
*LED life may vary under actual field conditions due to external factors. Lifetime estimates are generated from actual testing in a controlled environment. Values are conservatively derived from those numbers.

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DIMENSIONS



PHOTOMETRICS

Luminaire Data	
Description	Round Domed Louvered Bollard @ 5000K
Total Lumens	1688
Input Wattage	23
Efficacy (lm/W)	74
Max. Candela	292.72 (225H, 67V)
IES Classification	Type VS
Longitudinal Classification	Short

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30°	61	3.6%
0-60°	455	27%
0-80°	959	56.8%
80-90°	231	13.7%
0-90°	1190	70.5%
90-110°	345	20.4%
110-180°	0	0%
0-180°	1688	100%

Luminaire Classification Systems			
LCS Zone	Lumens	%Lum	
FL	0-30	32	1.9%
FM	30-60	201	11.9%
FH	60-80	253	15%
FVH	80-90	115	6.8%
BL	0-30	29	1.7%
BM	30-60	192	11.4%
BH	60-80	250	14.8%
BVH	80-90	116	6.9%
UL	90-100	202	12%
UH	100-180	296	17.5%
Total		1688	100%
BUG Rating	B1-U3-G2		

