

PCBR-DT

Round Illuminating Bollard with 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 1,818 to 3,251 lumens, supported by long-life LEDs. Standard 0-10V dimming, universal 120-277V input, and integrated surge protection ensure reliable performance, while DLC Premium listing, 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-DT	44	SW	SK	UNV	BL
Round Illuminating Bollard with Dome-Top Head	44" Height	Selectable Power Level	Selectable Kelvin (3000K/4000K/5000K)	120-277V	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 Nordeon PCBR 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	12 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 1818 to 3251 Delivered Lumens
	EFFICACY	From 136 to 148 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	1819	1818	1895	2512	2530	2614	3103	3249	3251
	WATTS	13	12	13	18	17	18	23	22	23
	EFFICACY	140	148	146	138	147	144	136	146	143
	INPUT CURRENT @ 120V	0.11A	0.1A	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
	DLC	DLC Premium Listed
	INGRESS PROTECTION	IP65
	CODE COMPLIANCE	Complies with FCC Part 15, Class A
	WARRANTY	Five Year Limited Warranty

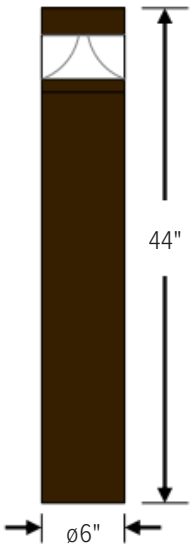
*LED life may vary under actual field conditions due to external factors. Lifetime estimates are generated from actual testing in a controlled environment. Values are conservatively derived from those numbers.

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DIMENSIONS



PHOTOMETRICS

Luminaire Data	
Description	Round Domed Bollard @ High Lumen Setting, 5000K
Total Lumens	3251
Input Wattage	23
Efficacy (lm/W)	143
Max. Candela	765.57 (45H, 52V)
IES Classification	Type VS
Longitudinal Classification	Very Short

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30°	200	6.2%
0-60°	1724	53%
0-80°	2790	85.8%
80-90°	240	7.4%
0-90°	3030	93.2%
90-110°	161	5%
110-180°	0	0%
0-180°	3251	100%

Luminaire Classification Systems			
LCS Zone		Lumens	%Lum
FL	0-30	96	3%
FM	30-60	756	23.3%
FH	60-80	539	16.6%
FVH	80-90	124	3.8%
BL	0-30	104	3.2%
BM	30-60	768	23.6%
BH	60-80	528	16.2%
BVH	80-90	116	3.6%
UL	90-100	110	3.4%
UH	100-180	111	3.4%
Total		3251	100%
BUG Rating		B2-U3-G2	

