

PCBS-FT

Square Illuminating Bollard with Flat-Top Head



DESCRIPTION

Square Flat-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 1,702 to 3,047 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
PCBS-FT	42	SW	SK	UNV	BL
Square Illuminating Bollard with Flat-Top Head	42" Height	Selectable Power Level	Selectable Kelvin (3000K/4000K/5000K)	120-277V	Black
					DB
					Dark Bronze
					CC
					Custom RAL Color

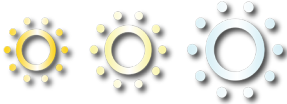
Custom options are available; consult factory for assistance via phone at (864) 487-3535 ext. 258 or via email at DesignServices@EXP-Brands.com.

MOUNTING KIT *(Required, Ordered Separately)*

MODEL
PCBS-MK
Mounting Kit for Square Nordeon PCBS Bollards; Includes Mounting Instructions and Hardware



SELECTABLE
POWER & CCT



www.Nordeon-USA.com
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In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials. Technical specification sheets that appear online are the most recent ones available. *Consult the factory to verify current status of BAA/TAA/BABAA compliance.

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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	6" L x 6" W x 42" H
	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 13 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 1702 to 3047 Delivered Lumens
	EFFICACY	From 125 to 135 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	1702	1790	1805	2303	2450	2459	2887	3047	3041
	WATTS	13	14	13	18	18	19	23	23	23
	EFFICACY	128	132	135	125	134	133	125	135	131
	INPUT CURRENT @ 120V	0.11A	0.12A	0.11A	0.15A	0.15A	0.16A	0.19A	0.19A	0.19A
	INPUT CURRENT @ 277V	0.05A	0.05A	0.05A	0.06A	0.06A	0.07A	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

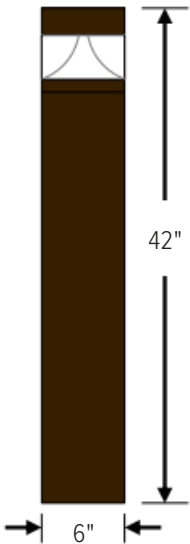
*LED life may vary under actual field conditions due to external factors. Lifetime estimates are generated from actual testing in a controlled environment. Values are conservatively derived from those numbers.

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DIMENSIONS



PHOTOMETRICS

Luminaire Data	
Description	Square Flat-Top Bollard @ High Lumen Setting, 5000K
Total Lumens	3041
Input Wattage	23
Efficacy (lm/W)	132
Max. Candela	843.54 (270H, 53V)
IES Classification	Type VS
Longitudinal Classification	Short

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-30°	114	3.8%
0-60°	1611	53%
0-80°	2646	87%
80-90°	230	7.6%
0-90°	2876	94.6%
90-110°	126	4.1%
110-180°	0	0%
0-180°	3041	100%

Luminaire Classification Systems			
LCS Zone		Lumens	%Lum
FL	0-30	47	1.6%
FM	30-60	738	24.3%
FH	60-80	552	18.2%
FVH	80-90	132	4.3%
BL	0-30	67	2.2%
BM	30-60	760	25%
BH	60-80	482	15.9%
BVH	80-90	98	3.2%
UL	90-100	89	2.9%
UH	100-180	76	2.5%
Total		3041	99.9%
BUG Rating		B1-U3-G2	

