

# PBR1-DSS

Stainless Steel LED Dome Top Bollard



## DESCRIPTION

The PBR1-DSS stainless steel dome top bollard is a cost-effective elegant solution for commercial outdoor lighting applications such as pathways and building entrances found at retail centers, business parks, schools, transit centers, and medical facilities. Choice of optics include cone reflectors, internal louvers or matte diffused polycarbonate lensing. Options include fusing, surge suppressors, GFCI outlets, house side shielding, microwave occupancy sensors, and emergency battery backup for added versatility.



Date: \_\_\_\_\_ Type: \_\_\_\_\_ Catalog Number: \_\_\_\_\_

Project Name: \_\_\_\_\_

## ORDERING INFORMATION



LUMINAIRE							
FIXTURE	MODEL	CCT	DRIVER	OPTICS	LENS	HEIGHT	OPTIONS
PBR1-DSS	10W	30K 3000K	UNV 120-277V	T3 Type III	DPC Diffuse Polycarbonate (Type V only)	42 42"	SF Single Fuse (120-277V Only)
	15W	40K 4000K	347V 347-480V (15W Only)	T5 Type V	LVR Louvers (Type V only)		DF Double Fuse (120-277V Only)
	22W	50K 5000K			SCR Specular Cone Reflector		SP Surge Protection
					WCR White Cone Reflector		GFCI GFCI Outlet, 15A, 120V
							HSS 180 180° House Side Shield (For SCR & WCR Optics)
							MS - Internal Microwave Sensor (120-277V Only)
							EM - Battery Backup, 90 mins.

# PBRI-DSS

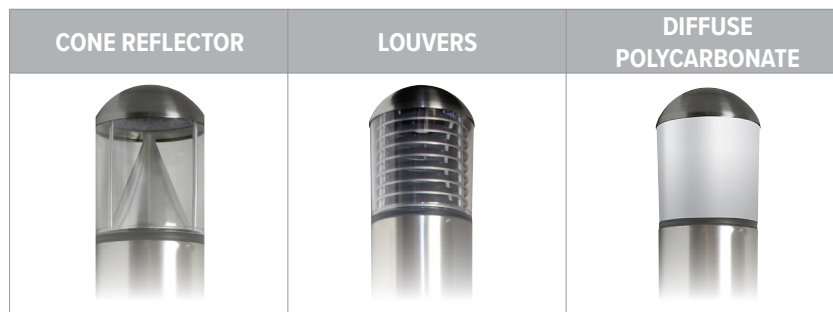
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## PRODUCT SPECIFICATIONS

<b>LUMEN OUTPUT</b>	Up to 2,461 @ 5000K (see photometric data chart for details)		
<b>LUMEN MAINTENANCE</b>	(L70): >147,000 @ 25°C		
<b>COLOR TEMPERATURES</b>	3000K, 4000K, 5000K		
<b>CRI</b>	80 CRI		
<b>OPTICS</b>	Specular or White Cone Reflector, or Internal Louvers. Optional 180° house side shields available for non-louvered cone optics. Difused polycarbonate lensing also available.		
<b>OPERATING TEMPERATURE</b>	-40°C to +40°C (-40F to +104F)		
<b>POWER CONSUMPTION</b>	Array: 10w System: 11.3w	Array: 14.5w System: 17w	Array: 22w System: 23.8w
<b>DRIVERS</b>	Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.		
<b>CERTIFICATIONS</b>	 		
<b>INGRESS PROTECTION</b>	IP65 Sealed LED Compartment, Listed for Wet Locations		
<b>HOUSING</b>	Formed 316L Stainless Steel Housing with Flush Mounting Base & Vandal-Resistant Screws, Domed Top, Internal Driver Tray for Easy Maintenance.		
<b>FINISH</b>	Stainless Steel Finish		
<b>MOUNTING</b>	Mounting Kit with 8" Anchor Bolts, Included.		
<b>WARRANTY</b>	5-Year Warranty for -40°C to +40°C Environment		

## OPTICS



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## ACCESSORIES

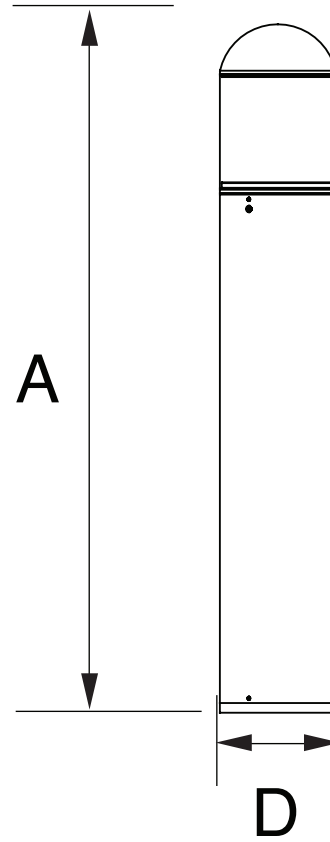
### MSPRGMR

Remote Programming Tool for Internal Microwave Sensor



### RFBASE

Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Die Cast with Powdercoat Finish, Hardware Included. 1 1/2" Dia. x 1 1/2" H



DOME TOP BOLLARD	
DIAMETER (D)	7"
HEIGHT (A)	42"

## PROJECTED LUMEN MAINTENANCE

Data shown for 5000 CCT

TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All Wattages	1.00	0.95	0.90	0.80	147,000
L70 Lumen Maintenance @ 50°C / 122°F			0.89	0.78	0.55	67,000
L80 Lumen Maintenance @ 40°C / 104°F			0.92	0.85	0.70	66,000

### Notes:

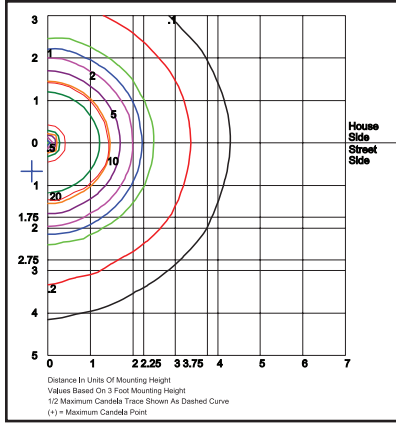
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

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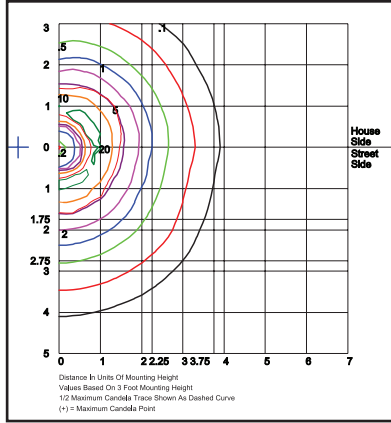
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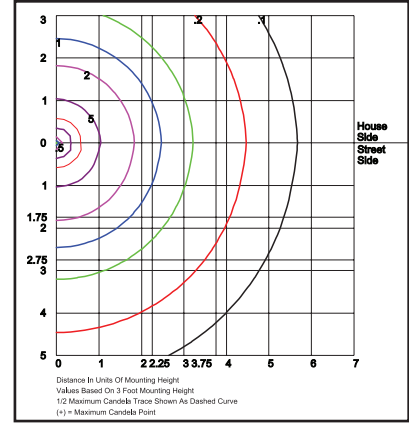
## PHOTOMETRIC DATA



PBR1-DSS-22W-50K-UNV-T5-SCR/WCR  
Grid in feet, mounting height = 3'



PBR1-DSS-22W-50K-UNV-T5-LVR  
Grid in feet, mounting height = 3'



PBR1-DSS-22W-50K-UNV-T5-DPC  
Grid in feet, mounting height = 3'

### PHOTOMETRIC PERFORMANCE

LED Board Watts	LED Board Watts	Input Watts	Optics	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
10	500	11.3	T5 - LVR Louvers (Type V Only)	531	47.0	0	2	0	576	51.0	0	2	0	600	53.1	0	2	0
15	700	15.9		744	46.8	1	2	1	807	50.8	1	2	1	841	52.9	1	2	1
22	1050	23.8		1,116	46.9	1	3	1	1,211	50.9	1	3	1	1,261	53.0	1	3	1
10	500	11.3	T3 - SCR/WCR Type III Specular or White Cone Reflector	738	65.3	0	2	1	800	70.8	0	2	1	834	73.8	0	2	1
15	700	15.9		1,033	65.0	1	3	1	1,120	70.4	1	3	1	1,167	73.4	1	3	1
22	1050	23.8		1,549	65.1	1	3	1	1,680	70.6	1	3	1	1,750	73.5	1	3	1
10	500	11.3	T5 - SCR/ WCR Type V Specular or White Cone Reflector	1,037	91.8	1	3	1	1,125	99.6	1	3	1	1,172	103.7	1	3	1
15	700	15.9		1,452	91.3	1	3	1	1,575	99.1	1	3	1	1,641	103.2	1	3	1
22	1050	23.8		2,178	91.5	1	3	1	2,362	99.2	1	3	1	2,461	103.4	1	3	1