

# PWC1-D

## Up and Down LED Wall Cylinder



### DESCRIPTION

The Pantheon PWC1-D is a high-performance up and down wall cylinder with an attractive design well suited for commercial outdoor lighting applications. The luminaire incorporates CoB technology with reflective optics to provide a choice of medium, wide, or extra-wide beam distributions. The upward and downward light distributions may be selected independently to achieve a variety of lighting effects to enhance the space, resulting in a choice of nine different optics combinations. The PWC1-D is suitable for mounting heights from 8 to 16 feet. Options include fusing, surge protection, button photocell, and emergency battery backup. Standard finishes are dark bronze or black.




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

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

### ORDERING INFORMATION

	CCT	DRIVER	OPTICS UP	OPTICS DOWN	FINISH	OPTIONS
PWC1-D Up and Down LED Wall Cylinder	41K 4000K	UNV 120-277V	MB Medium Beam	MB Medium Beam	BRZ Bronze	SF Single Fuse
		347V 347-480V	WB Wide Beam	WB Wide Beam	BL Black	SP Surge Protection
			EXWB Extra Wide Beam	EXWB Extra Wide Beam	CC Custom	PC Photocell, 120-277VAC
						EM Emergency Battery Backup

PRODUCT SPECIFICATIONS

<b>LUMEN OUTPUT</b>	Up to 4,577 lumens @ 4100K (see photometric data chart for details)
<b>EFFICACY</b>	Up to 114 Lm/W (see photometric data chart for details)
<b>LUMEN MAINTENANCE</b>	(L70): >89,000 hours @ 25C
<b>COLOR TEMPERATURES</b>	4100K
<b>CRI</b>	80CRI
<b>OPTICS</b>	Tempered Clear Flat Glass Lenses; Medium, Wide, and Extra Wide Distributions
<b>OPERATING TEMPERATURE</b>	-40°C to +50°C (-40F to +122F)
<b>POWER CONSUMPTION</b>	40w: System: 40w
<b>DRIVER</b>	Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection is 2kV for 20w. 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>	IP66 Sealed LED Compartment, Listed for Wet Locations
<b>HOUSING</b>	Extruded Round Aluminum Housing with Built-in Heat Sinks.
<b>FINISH</b>	Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.
<b>MOUNTING OPTIONS</b>	Mount Over a 4" Recessed Outlet Box.
<b>WARRANTY</b>	5-Year Warranty for -40°C to +50°C Environment.

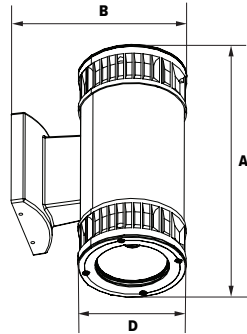
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### DIMENSIONS

<b>Diameter (D)</b>	5¾" (146mm)
<b>Length (B)</b>	8⅞" (226mm)
<b>Height (A)</b>	12½" (316mm)



### PHOTOMETRICS

#### PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Beam	4100 CCT 80 CRI				
				Lumens	LPW	B	U	G
40W	525	40	WB/WB	4,398	110	2	5	0
			EXWB/EXWB	4,577	114	1	5	0
			MB/MB	4,344	109	2	5	0

#### PROJECTED LUMEN MAINTENANCE

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	21W	1.00	0.92	0.83	0.66	89,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.90	0.81	0.62	78,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.93	0.86	0.72	72,000

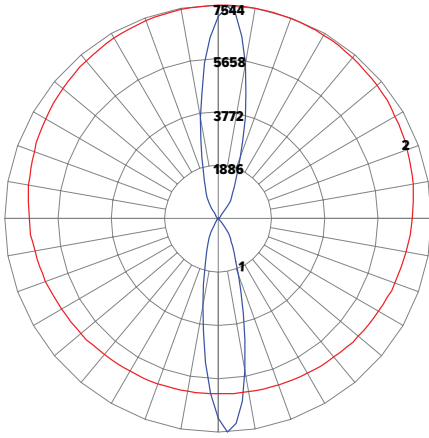
**NOTES:**

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.

### CONTROLS

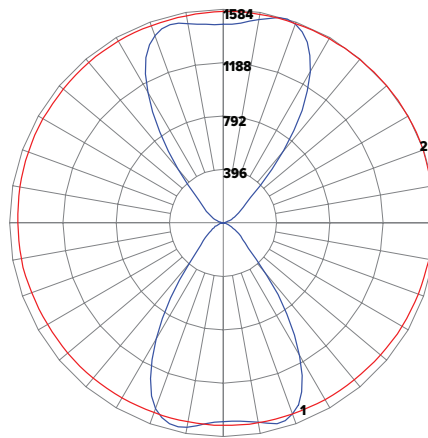
Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing.

## PHOTOMETRIC DATA



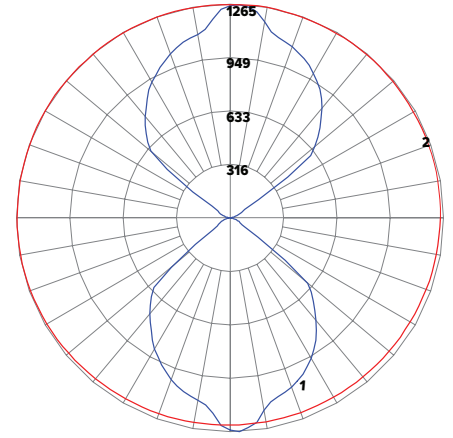
Maximum Candela = 7543.711 Located at Horizontal Angle = 77.5, Vertical Angle = 2.5  
 # 1 - Vertical Plane through Horizontal Angles (77.5-257.5) (Through Max. Cd.)  
 # 2 - Horizontal Cone through Vertical Angle (2.5) (Through Max. Cd.)

**PWC1-D-41K-UNV-MB-MB**  
 30° Up/ 30° Down Optic



Maximum Candela = 1583.951 Located at Horizontal Angle = 27.5, Vertical Angle = 162.5  
 # 1 - Vertical Plane through Horizontal Angles (27.5-207.5) (Through Max. Cd.)  
 # 2 - Horizontal Cone through Vertical Angle (162.5) (Through Max. Cd.)

**PWC1-D-41K-UNV-WB-WB**  
 70° Up/ 70° Down Optic



Maximum Candela = 1265.497 Located at Horizontal Angle = 80, Vertical Angle = 2.5  
 # 1 - Vertical Plane through Horizontal Angles (80-260) (Through Max. Cd.)  
 # 2 - Horizontal Cone through Vertical Angle (2.5) (Through Max. Cd.)

**PWC1-D-41K-UNV-EXWB-EXWB**  
 100° Up/ 100° Down Optic