

PWC1-S

Up or Down LED Wall Cylinder



DESCRIPTION

The Pantheon PWC1-S is a high-performance up or 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 for recommended 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	SINGLE OPTICS	FINISH	OPTIONS
PWC1-S Up or Down LED Wall Cylinder	41K 4000K	UNV 120-277V	MB Medium Beam	BRZ Bronze	SF Single Fuse
			WB Wide Beam	BL Black	DF Double Fuse
			EXWB Extra Wide Beam	CC Custom	SP Surge Protection
					PC Photocell, 120-277VAC
					EM Emergency Battery Backup

PRODUCT SPECIFICATIONS

LUMEN OUTPUT	Up to 2,364 lumens @ 4100K (see photometric data chart for details)
EFFICACY	Up to 113 Lm/W (see photometric data chart for details)
LUMEN MAINTENANCE	(L70): >89,000 hours @ 25C
COLOR TEMPERATURES	4100K
CRI	80CRI
OPTICS	Tempered Clear Flat Glass Lenses; Medium, Wide, and Extra Wide Distributions
OPERATING TEMPERATURE	-40°C to +50°C (-40F to +122F)
POWER CONSUMPTION	20w: System: 21w
DRIVER	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.
CERTIFICATIONS	
INGRESS PROTECTION	IP66 Sealed LED Compartment, Listed for Wet Locations
HOUSING	Extruded Round Aluminum Housing with Built-in Heat Sink.
FINISH	Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.
MOUNTING OPTIONS	Mount Over a 4" Recessed Outlet Box.
WARRANTY	5-Year Warranty for -40°C to +50°C Environment.

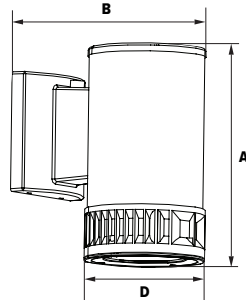
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DIMENSIONS

Diameter (D)	5 3/4" (146mm)
Length (B)	8 7/8" (226mm)
Height (A)	10 1/4" (260mm)



PHOTOMETRICS

PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Beam	4100 CCT 80 CRI				
				Lumens	LPW	B	U	G
20W	525	21	WB	2,309	110	2	1	0
			EXWB	2,364	113	1	1	0
			MB	2,209	105	2	1	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

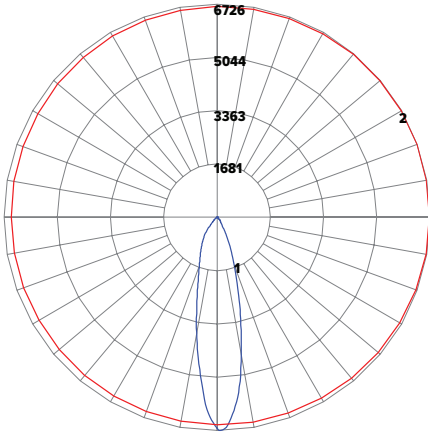
NOTES:

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

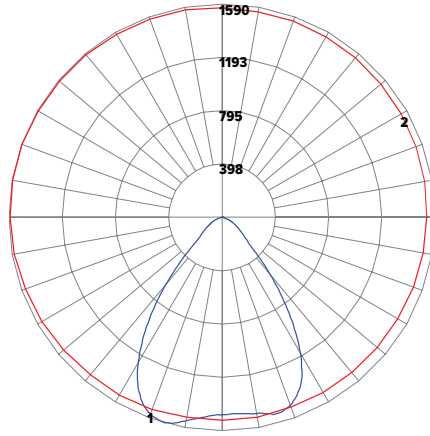
Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing.

PHOTOMETRIC DATA



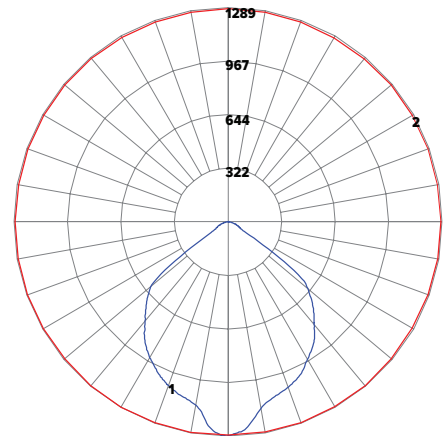
Maximum Candela = 6725.83 Located at Horizontal Angle = 20, Vertical Angle = 1
1 - Vertical Plane through Horizontal Angles (20-200) (Through Max. Cd.)
2 - Horizontal Cone through Vertical Angle (1) (Through Max. Cd.)

PWC1-S-41K-UNV-MB
30° Reflector



Maximum Candela = 1590.03 Located at Horizontal Angle = 160, Vertical Angle = 15.5
1 - Vertical Plane through Horizontal Angles (160-340) (Through Max. Cd.)
2 - Horizontal Cone through Vertical Angle (15.5) (Through Max. Cd.)

PWC1-S-41K-UNV-WB
70° Reflector



Maximum Candela = 1288.72 Located at Horizontal Angle = 24, Vertical Angle = 1.5
1 - Vertical Plane through Horizontal Angles (240-60) (Through Max. Cd.)
2 - Horizontal Cone through Vertical Angle (15.5) (Through Max. Cd.)

PWC1-S-41K-UNV-EKWB
100° Reflector