

DESCRIPTION

The Pantheon PCL1 Canopy Light is a surface mounted luminaire ideal for applications in retail centers, business parks, schools, transit centers, and medical facilities. Depending on light level and uniformity requirements, the PCL1 can be mounted from 12 to 20 feet and is designed to replace up to a 175W metal halide fixture.



Date: _____ Type: _____ Catalog Number: _____

Project Name: _____



ORDERING INFORMATION

FIXTURE	MODEL	CCT	DRIVER	OPTICS-DOWN	FINISH	OPTIONS
PCL1 Canopy Light	45W	40K 4000K	UNV 120-277V	T5 Type 5	BRZ Bronze	SF Single Fuse
		50K 5000K	347V 347-480V		CC Custom	DF Double Fuse

SP
Surge Protection

PC
Photocell, 120-277VAC

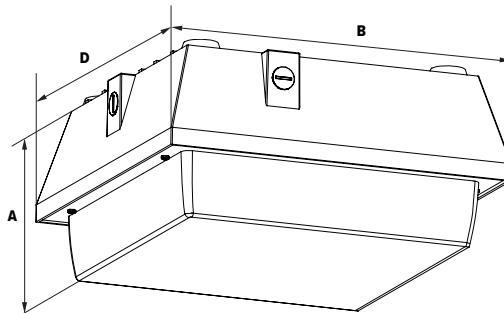
MSD
Microwave Motion Sensor with Dimming for Mounting Heights 8'-40' (120-277VAC)

MS
Microwave On/Off Motion Sensor for Mounting Heights 8'-19' (120-277VAC)

EM
BU Battery Backup

DIMENSIONS

Width (D)	12 $\frac{3}{8}$ " (314mm)
Length (B)	12 $\frac{3}{8}$ " (314mm)
Height (A)	6" (152mm)



PHOTOMETRIC PERFORMANCE

PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
45W	117	53	Type 5	5,427	102	2	2	2	5,210	98	2	3	2

PROJECTED LUMEN MAINTENANCE

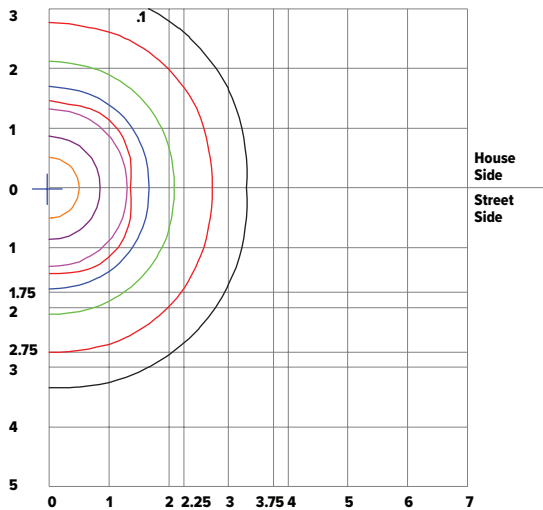
Data shown for 5000 CCT		Input Watts	Initial	Compare to MH			Calculated LED Life
TM-21-11				25,000 Hrs	50,000 Hrs	100,000 Hrs	
L70 Lumen Maintenance @ 25°C / 77°F		53W	1.00	0.96	0.92	0.83	177,000
L70 Lumen Maintenance @ 50°C / 122°F				0.93	0.85	0.71	102,000
L80 Lumen Maintenance @ 40°C / 104°F				0.94	0.87	0.74	78,000

NOTES:
 1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 117mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
 2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

CONTROLS

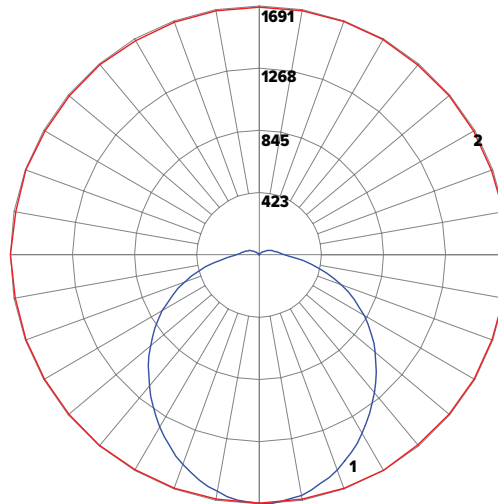
Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing.

PHOTOMETRIC DATA



Distance in Units of Mounting Height
 Values Based on 10-Foot Mounting Height
 1/2 Maximum Candela Trace Shown as Dashed Curve
 (+) = Maximum Candela Height


PCL1-45W-50K-UNV-T5
 Type 5
 Grid in MH
 MH = 10 Feet



Maximum Candela = 1690.54 Located at Horizontal Angle = 300, Vertical Angle = 2.5
 # 1 - Vertical Plane through Horizontal Angles (300-120) (Through Max. Cd.)
 # 2 - Horizontal Cone through Vertical Angle (2.5) (Through Max. Cd.)

PCL1-45W-50K-UNV-T5
 Type 5

PRODUCT SPECIFICATIONS

LUMEN OUTPUT	Up to 5,427 @ 5000K (see photometric data chart for details)
EFFICACY	Up to 102 Lm/W (see photometric data chart for details)
LUMEN MAINTENANCE	(L70): 177,000 hours @ 25°C
COLOR TEMPERATURES	4000K/5000K
CRI	80CRI
OPTICS	Low-Profile Clear Acrylic Prismatic Lens
OPERATING TEMPERATURE	-40°C to +40°C (-40°F to +104°F)
POWER CONSUMPTION	45w: System: 53w
DRIVERS	Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection is 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.
CERTIFICATIONS	
INGRESS PROTECTION	IP65 Sealed LED Compartment, Listed for Wet Locations
HOUSING	Die Cast Aluminum Housing, ½" Coin Plugs with O-rings for Conduit and Photocell on Two Sides, Nickel-Plated Stainless Steel Hardware.
FINISH	Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.
MOUNTING OPTIONS	Mount Directly Over a 4" Recessed Outlet Box, or Use ½" Surface Conduit or Quick-Mount Bracket.
WARRANTY	5-Year Warranty for -40°C to +40°C Environment.