

## DESCRIPTION

Pantheon's PAL1 is a high performance area light with an architectural design delivering cost effective illumination for parking areas, walkways, and street lighting applications. The available distribution types II, III, IV, and V combined with four lumen packages offers tremendous flexibility for your applications. Depending on the required light level and uniformity, the PAL1 can be mounted at a height from 12 to 30 feet and is capable of replacing metal halide fixtures up to 400W.



## ORDERING INFORMATION

LUMINAIRE								
MODEL	OUTPUT	CCT	VOLTAGE	OPTICS	LENS	FINISH	MOUNTING	OPTION
PAL1 PAL1 Area Light	37W 37 Watts	30K 3000K	UNV 120-277V	T1 Type I	C Clear Polycarbonate Lens	BL Black	ARM Square Pole/Wall Mount	SF Single Fuse 120-277VAC
	65W 65 Watts	40K 4000K	347V 347-480V	T2 Type II	D Diffused Opal Polycarbonate Lens (for Type V Models Only)	BRZ Bronze	PMA Slipfitter for 2 3/8" Horizontal Mounting Arms	DF Double Fuse 120-277VAC
	100W 100 Watts	50K 5000K		T3 Type III		CC Custom RAL Color		SP Surge Protection
	140W 140 Watts			T4 Type IV			PCR3 3-Pin Twist Lock Photocell Receptacle	
				T5 Type V			PCR5 5-Pin Twist Lock Photocell Receptacle	
							PCR7 7-Pin Twist Lock Photocell Receptacle	
							MSD Microwave Motion Sensor with Dimming <sup>1</sup>	
							MS On/Off Microwave Motion Sensor <sup>2</sup>	
							EM Emergency Battery Backup <sup>3</sup>	
							EMC Cold-Start Emergency Battery Backup <sup>3</sup>	

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

<sup>1</sup>For mounting heights from 8' to 40', 120-277VAC.

<sup>2</sup>For mounting heights from 8' and 19', 120-277VAC.

<sup>3</sup>Emergency battery backups are available only on 37W and 65W units. Cold start battery backup is operational to -20°C. Minimum 90-minute runtime.

See page four for ordering information of available accessories.



PAL1					
PHYSICAL	HOUSING		Die-Cast and Sand-Cast Aluminum with Integral Heat Sinking		
	LENS		Gasketed Opal Diffused or Clear UV Stabilized Polycarbonate		
	HARDWARE		Nickel-Plated Stainless Steel Hardware		
	OPERATING TEMPERATURE		-40°C to 50°C (-40°F to 122°F)		
	FINISH		Powder Coat Finish Over Chromate Conversion Coating		
	MOUNTING HEIGHT		Recommended Mounting Height Between 12 and 30 Feet		
	MOUNTING		Pole or Wall Mounting Options Available; See Page 4 for details.		
	WEIGHT		21 Pounds		
EPA	CONFIGURATION		EPA (Sq. Ft.)	Weight (Pounds)	
	1 @ 90°		1.00	21	
	2 @ 180°		2.00	42	
	2 @ 90°		1.36	42	
	3 @ 90°		2.20	63	
	3 @ 120°		2.00	63	
	4 @ 90°		2.20	84	
Values calculated using Mounting Arm (ARM).					

ELECTRICAL	POWER LEVEL (INPUT WATTS)	37W (42.2W), 65W (74.1W), 100W (114W), and 140W (159.6W)
	INPUT VOLTAGE	Universal 120 to 277 Volts or High Voltage 347 to 480 Volts
	DRIVER	Electronic Internal 0-10v Dimming Driver, Less Than 20% THD, Dimming Range from 100% to 10%
	SURGE SUPPRESSION	Standard Surge Protection: 6kV
	CONTROL	Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing
	FREQUENCY	50/60Hz
	POWER FACTOR	> 0.90

PHOTOMETRIC	LED	Static White 3000K, 4000K, or 5000K
	OPTICS	Type I, II, III, IV, and V Available
	DELIVERED LUMEN OUTPUT	From 4,815 to 21,600 Delivered Lumens
	EFFICACY	From 130 to 154 Lumens per Watt
	LUMEN MAINTENANCE	L70 > 327,000 Hours at 77°F*

CERTIFICATIONS	SAFETY	ETL Listed for Wet Locations, ANSI/UL 1598, 8750
	INGRESS PROTECTION	IP66
	WARRANTY	Five-Year Limited Warranty

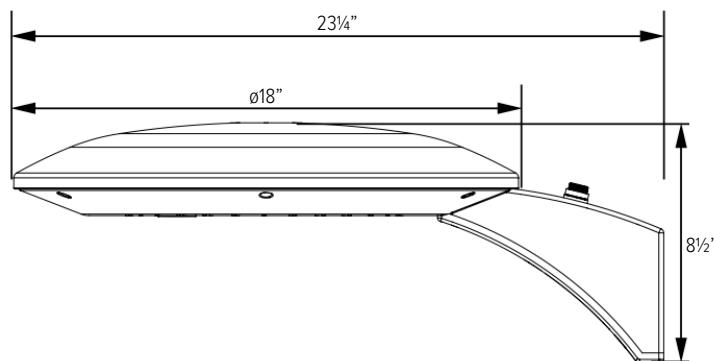
\* LED life may vary under actual field conditions due to external factors. Lifetime estimates are generated from actual testing in a controlled environment. Values are conservatively derived from those numbers.

LIGHT DISTRIBUTIONS			37W	65W	100W	140W
	DISTRIBUTION	CCT	Delivered Lumens and BUG Rating			
TYPE I	3000K	5,235	8,538	13,136	18,390	
	4000K	5,446	8,884	13,668	19,136	
	5000K	5,658	9,230	14,201	19,882	
	B-U-G RATING	2-0-1	3-0-2	3-0-3	4-0-3	
TYPE II	3000K	5,256	9,234	14,205	19,888	
	4000K	5,469	9,608	14,782	20,694	
	5000K	5,682	9,982	15,357	21,500	
	B-U-G RATING	1-0-1	2-0-2	3-0-2	3-0-3	
TYPE III	3000K	5,277	9,271	14,263	19,968	
	4000K	5,491	9,646	14,842	20,777	
	5000K	5,705	10,022	15,419	21,586	
	B-U-G RATING	2-0-2	3-0-3	3-0-3	3-0-3	
TYPE IV	3000K	4,815	8,459	13,015	18,219	
	4000K	5,010	8,803	13,543	18,959	
	5000K	5,206	9,145	14,069	19,697	
	B-U-G RATING	1-0-2	2-0-3	3-0-3	3-0-4	
TYPE V	3000K	5,280	9,277	14,272	19,981	
	4000K	5,495	9,653	14,851	20,791	
	5000K	5,709	10,029	15,429	21,600	
	B-U-G RATING	3-0-1	3-0-2	4-0-2	4-0-3	

Values reflect delivered lumens at full output.

## DIMENSIONS

All dimensions are shown in inches unless otherwise noted.



## MOUNTING OPTIONS



**Mounting Arm (ARM)**  
Die-Cast Mounting Arm for Square Poles or Walls. Powdercoat Finish. Includes Mounting Hardware.



**Slipfitter Mounting Adapter (PMA)**  
Die-Cast Slipfitter for 2 3/8" Horizontal Mounting Tenons. Powdercoat Finish. Includes Mounting Hardware.



**Mounting Arm Adapter (RPADPT)**  
Die-Cast Adaptor for use with Mounting Arm (ARM). For Mounting to 3-6" Round Poles. Powdercoat Finish. Includes Mounting Hardware.

## ACCESSORIES

### ORDERING INFORMATION

#### ACCESSORIES

##### MODEL

##### **PAL1-RPADPT-BL / BRZ**

Die-Cast Adaptor for 3" to 6" Round Poles, Black or Bronze Powdercoat Finish. Use with ARM Mount only.

##### **P18131**

Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Max.

##### **P18132**

Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten.

##### **P18140**

110-120VAC Instant Twist Lock Photocell

##### **P18142**

105-287VAC Instant Twist Lock Photocell

##### **P18152**

277VAC Time Delay Twist Lock Photocell

##### **P18156**

120-277VAC Universal Twist Lock Photocell

##### **P18157**

480VAC Time Delay Twist Lock Photocell. For 480V use only.

##### **PAL1-HSS-BL / BRZ**

Stamped Aluminum House-Side Shield, Black or Bronze Powdercoat Finish

##### **PAL1-SSBS**

Stainless Steel Bird Spikes

## CUSTOMIZE YOUR EXPERIENCE.

At Experience Brands, we believe every space deserves unique lighting elements. We proudly specialize in crafting solutions that reflect your personal vision. Our expert team is here to collaborate with you to design and implement customized features that elevate your environment.

**Ready to Get Started?** Email us at: [DesignServices@exp-brands.com](mailto:DesignServices@exp-brands.com)