

PAL1

Area Light



DESCRIPTION

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.



Lens Type "C"



Lens Type "D"

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 ¹
								MS On/Off Microwave Motion Sensor ²
								EM Emergency Battery Backup ³
								EMC Cold-Start Emergency Battery Backup ³

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

¹For mounting heights from 8' to 40'. 120-277VAC.

²For mounting heights from 8' and 19'. 120-277VAC.

³Emergency 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.)
		1 @ 90°	1.00
		2 @ 180°	2.00
		2 @ 90°	1.36
		3 @ 90°	2.20
		3 @ 120°	2.00
		4 @ 90°	2.20
	Values calculated using Mounting Arm (ARM).		
	Weight (Pounds)		

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*

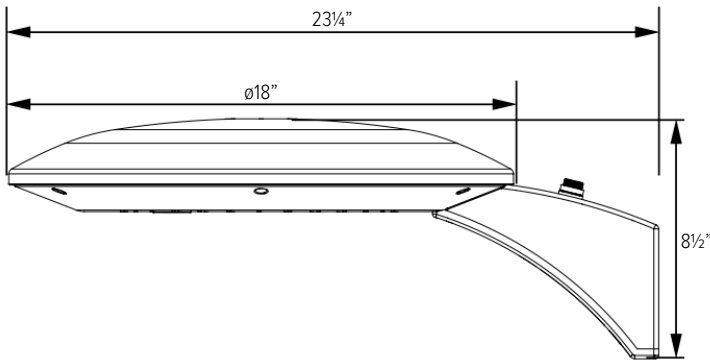
CERTIFICATIONS	SAFETY	ETL Listed for Wet Locations, ANSI/UL 1598, 8750
	INGRESS PROTECTION	IP66
	WARRANTY	Five-Year Limited Warranty

* 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
Values reflect delivered lumens at full output.	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

DIMENSIONS

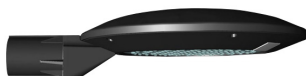
All dimensions are shown in inches unless otherwise noted.



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 $\frac{3}{8}$ " 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