

## DESCRIPTION

Pantheon's PAF2 is a flexible area, flood, or wall mounted light for parking, security, retail centers, industrial parks, universities, public transit centers, office buildings, and medical facilities. With three color temperatures and a wide choice of optical distributions and control options the PAF2 is designed to replace metal halide lighting systems from 150W to 400W and as an area light can be mounted at a height from 14 to 25 feet depending on the required light level and uniformity. The soft glass lens, available for increased visual comfort, and the high calculated lumen maintenance make the PAF2 an ideal choice.



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

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

## ORDERING INFORMATION

### LUMINAIRE

MODEL	OUTPUT	CCT	VOLTAGE	OPTIC	LENS	FINISH	MOUNTING	OPTIONS
PAF2 Area/Flood Light	65W 65 Watts <sup>2</sup>	30K 3000K	UNV 120-277V	T1 Type I	C Clear Lens	DB Dark Bronze	ARM Mounting Arm	SF Single Fuse <sup>5</sup>
	81W 81 Watts	40K 4000K	347V 347-480V <sup>3</sup>	T2 Type II	S Soft-Diffused Lens <sup>4</sup>	CC Custom RAL Color	SLP Slipfitter	DF Double Fuse <sup>5</sup>
	112W 112 Watts	50K 5000K		T3 Type III			PMA Pole-Mount Arm	SP Surge Protection
				T4 Type IV			YK Yoke	MIR1 IR Motion Sensor for Heights 20' to 35'
				T5 Type V			TRN Trunnion	MIR2 IR Motion Sensor for Heights ≤18'
				NB Narrow Beam <sup>1</sup>			WM Wall Mount	PCR3 3-Pin Twist Lock Photocell Receptacle
							KNL Knuckle	PCR5 5-Pin Twist Lock Photocell Receptacle
								PCR7 7-Pin Twist Lock Photocell Receptacle
								MSD Microwave Motion Sensor with Dimming for Mounting Heights ≤25'
								MS Microwave On/Off Motion Sensor with Dimming for Mounting Heights 8' to 19'

<sup>1</sup>Narrow Beam is only available on 81 or 112 watt variants in 5000K.

<sup>2</sup>65 watt variants are only available with T4 optic in 3000K or T3/T5 optics in 4000K or 5000K.

<sup>3</sup>High voltage driver is only available on 65 and 81 watt variants.

<sup>4</sup>Soft-diffused lens is only available with T5 optic.

<sup>5</sup>Options are available with 120-277V models.

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

See Page 4 for ordering information of available accessories.

### DLC Qualified Items:

PAF2-65W-50K-(UNV / 347V)-(T1 / T2 / T3 / T4 / T5)-C

PAF2-81W-50K-(UNV / 347V)-(T1 / T2 / T3 / T4 / T5)-C

PAF2-112W-50K-(UNV / 347V)-(T1 / T2 / T3 / T4 / T5)-C



PAF2													
PHYSICAL	HOUSING		Die-Cast Aluminum										
	LENS		Tempered Clear or Soft-Diffused Flat Glass										
	HARDWARE		Nickel-Plated Stainless Steel Hardware										
	OPERATING TEMPERATURE		-40°F to 104°F										
	FINISH		Powder Coat Finish										
	MOUNTING HEIGHT		14 to 25 Feet										
	MOUNTING		7 Mounting Options Available; See Page 3 for details.										
	WEIGHT		15 Pounds										
	EPA		See Page 3 for details.										
ELECTRICAL	POWER		65 Watts			81 Watts		112 Watts					
	CURRENT		0.54 Amps @ 120 Volts 0.23 Amps @ 277 Volts			0.68 Amps @ 120 Volts 0.29 Amps @ 277 Volts		0.93 Amps @ 120 Volts 0.40 Amps @ 277 Volts					
	VOLTAGE		Universal 120 to 277 Volts or High Voltage 347 to 480 Volts										
	DRIVER		Electronic Internal Driver, Less Than 20% THD Dimming Source Current: 150 Microamps										
	SURGE SUPPRESSION		6kV										
	CONTROL		0-10v Dimming for a Dimming Range of 100% to 10%										
	FREQUENCY		50/60Hz										
	POWER FACTOR		> 0.90										
	BATTERY BACKUP		Battery Backup Option Includes Accessory Housing; Ships Separately for Field Installation										
	PHOTOMETRIC		Static White 3000K, 4000K, or 5000K										
PHOTOMETRIC	LED		80										
	CRI		Type I, II, III, IV, V and 30° Narrow Beam										
	OPTICS		up to 15,944 Lumens										
	DELIVERED LUMEN OUTPUT		up to 132 Lumens per Watt										
	EFFICACY		L70 > 300,000 Hours at 77°F*										
	LUMEN MAINTENANCE												
LIGHT DISTRIBUTIONS	INPUT WATTAGE	OPTIC	3000K			4000K			5000K				
			LUMENS	EFFICACY	B-U-G RATING	LUMENS	EFFICACY	B-U-G RATING	LUMENS				
			6823	101	2-0-2	7089	105	2-0-2					
	65W	TYPE III	N/A			10109	120	3-0-1	10503				
		TYPE IV	6158	73	1-0-2	N/A			125				
		TYPE V	N/A			6508	96	2-0-0	6762				
	81W	TYPE I	N/A			9644	115	2-0-2	10019				
		TYPE II	9268	110	2-0-2	10594	126	2-0-2	1119				
		TYPE III	10181	121	2-0-2	9950	118	1-0-2	11007				
		TYPE IV	9563	114	1-0-2	10106	120	3-0-1	10338				
		TYPE V	9712	115	3-0-1	14644	121	3-0-2	10499				
	112W	TYPE I	N/A			13970	115	2-0-2	15214				
		TYPE II	14748	122	3-0-3	15346	127	3-0-3	14514				
		TYPE III	12986	107	2-0-3	13513	112	2-0-3	14039				
		TYPE IV	13161	109	3-0-1	13637	113	3-0-1	15209				
		TYPE V	N/A			100	2-0-0	126	3-0-1				
Values reflect delivered lumens at full output.													

CERTIFICATIONS	SAFETY	ETL Listed for Wet Locations
	INGRESS PROTECTION	IP66
	WARRANTY	Five-Year Limited Warranty

## MOUNTING OPTIONS



**Mounting Arm (ARM)**  
Die-Cast, Bronze Powdercoat, Includes  
Mounting Hardware.  
Mounts Directly to Square Poles.



**Slipfitter (SLP)**  
Die-Cast Adjustable Slipfitter for 2 3/8" Tenons. Bronze Powdercoat Finish.  
Includes Mounting Hardware.



**Pole Mounting Arm (PMA)**  
Die-Cast Adaptor for 2 3/8" Horizontal  
Mounting Arms, Bronze Powdercoat.  
Includes Mounting Hardware.



**Yoke (YK)**  
Heavy Duty Steel Yoke.  
Bronze Powdercoat.  
Includes Mounting Hardware.



**Trunnion (TRN)**  
2-Piece Stamped Steel Adjustable Bracket,  
Bronze Powdercoat.  
Includes Mounting Hardware.



**Wall Mount (WM)**  
Die-Cast Wall Bracket, Bronze Powdercoat.  
Includes Mounting Hardware.



**Wall Mount with Battery Backup  
(WM)**  
Die-Cast Wall Bracket, Bronze Powdercoat.  
Includes Mounting Hardware.



**Knuckle (KNL)**  
Die-Cast Adjustable Knuckle with 1/2" Threads. Bronze Powdercoat Finish.

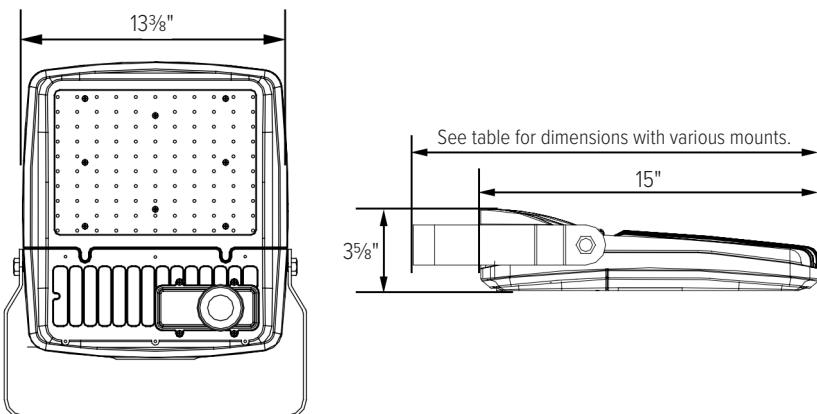
## EFFECTIVE PROJECTED AREA

CONFIGURATION	EPA (Sq. Ft.)	Weight (Pounds)
1 @ 90°	0.60	15 Pounds
2 @ 180°	1.20	30 Pounds
2 @ 90°	0.82	30 Pounds
3 @ 90°	1.32	45 Pounds
3 @ 120°	1.20	45 Pounds
4 @ 90°	1.32	60 Pounds

Values calculated using Mounting Arm (ARM).

## DIMENSIONS

All dimensions are shown in inches.



MOUNTING BRACKET DIMENSIONS		
CODE	DESCRIPTION	LENGTH
ARM	Mounting Arm	19 1/4"
SLP	Slipfitter	18 3/4"
PMA	Pole Mount Arm	19 1/8"
YK	Yoke	18"
TRN	Trunnion	18 3/4"
WM	Wall Mount	16"

## ACCESSORIES

### ORDERING INFORMATION

#### ACCESSORIES

##### MODEL

##### PAF1/2-RPADPT-BRZ

Die-Cast Adaptor for 3" to 5" Round Poles, Bronze Powdercoat Finish. Use with ARM Mount only.

##### PAF1/2-WMADPT-BRZ

Die-Cast Wall Mount Adaptor, Bronze Powdercoat Finish. Use with ARM Mount only.

##### LCHSNG

Die-Cast Accessory Housing for Installing Sensors or Other Lighting Controls, Bronze Powdercoat Finish

##### PAF1/2-VISOR-BRZ

Aluminum Glare/House Side Shield, Bronze Powdercoat Finish, Includes Hardware

##### PAF1/2-WG-BRZ

Wire Guard, Stainless Steel Construction, Includes Hardware



PAF1/2-RPADPT-BRZ



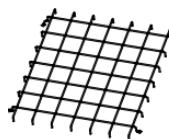
PAF1/2-WMADPT-BRZ



LCHSNG



PAF1/2-VISOR-BRZ



PAF1/2-WG-BRZ



PAF1/2-SB1SZ



PAF1/2-SB290SZ



PAF1/2-SB2180SZ



PAF1/2-SB390SZ



PAF1/2-SB3120SZ

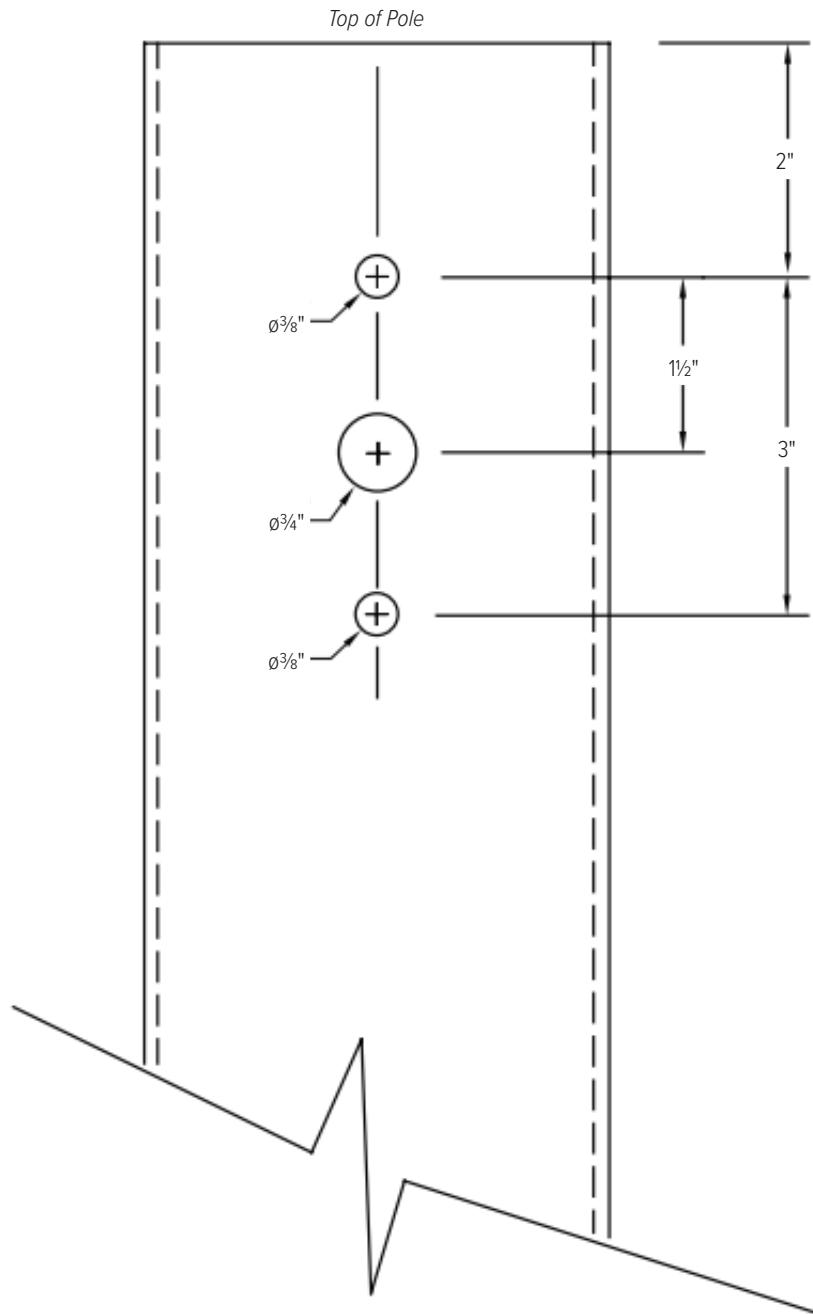


PAF1/2-SB490SZ

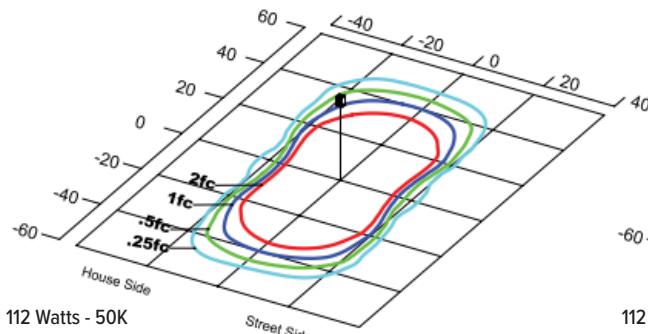
2 3/8" Horizontal Mounting Arms, Bronze Powdercoat Finish. Includes Mounting Hardware. Mounts To 2 3/8" Vertical Pole Top Tenons.

## POLE DRILLING TEMPLATE

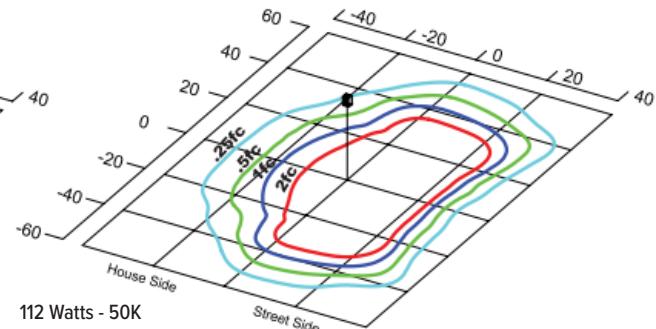
All dimensions are shown in inches. Drawing is not to scale.



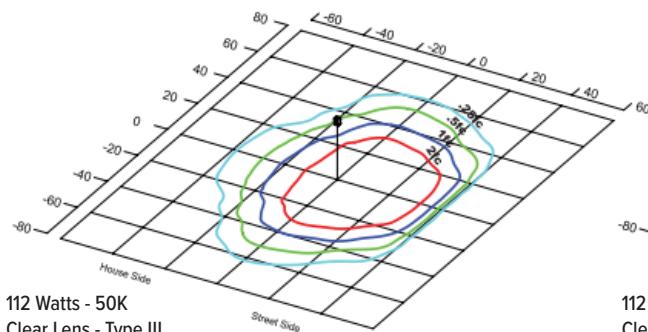
## PHOTOMETRICS



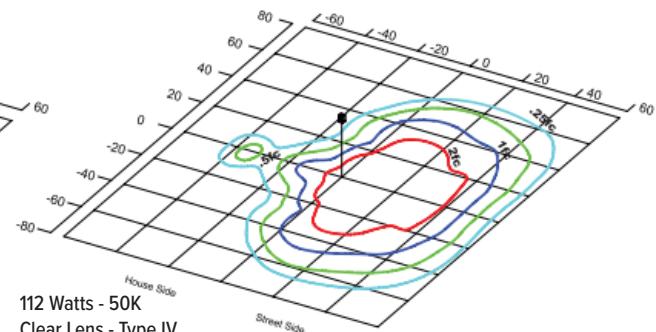
112 Watts - 50K  
Clear Lens - Type I  
Grid in MH  
MH=20 Feet



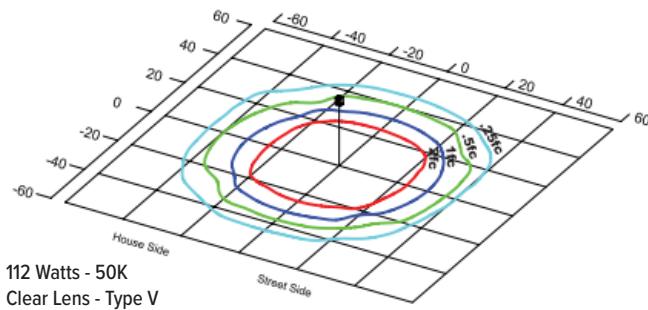
112 Watts - 50K  
Clear Lens - Type II  
Grid in MH  
MH=20 Feet



112 Watts - 50K  
Clear Lens - Type III  
Grid in MH  
MH=20 Feet

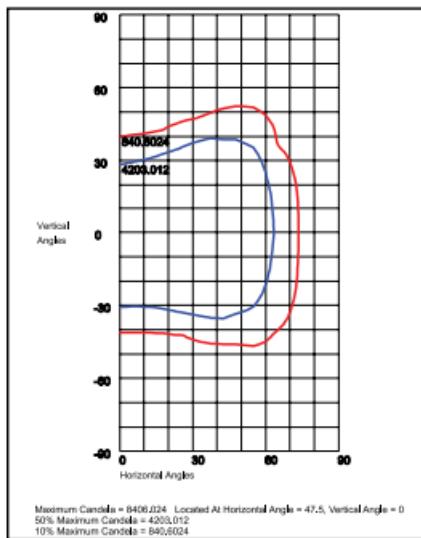


112 Watts - 50K  
Clear Lens - Type IV  
Grid in MH  
MH=20 Feet

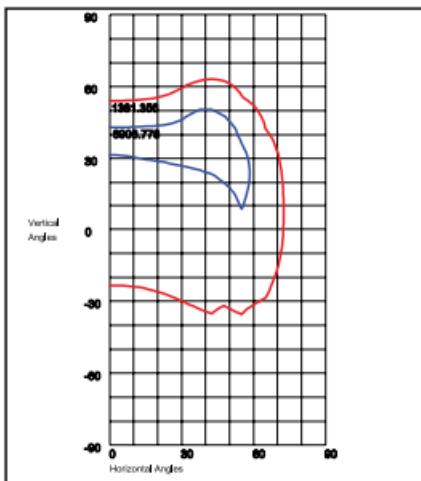


112 Watts - 50K  
Clear Lens - Type V  
Grid in MH  
MH=20 Feet

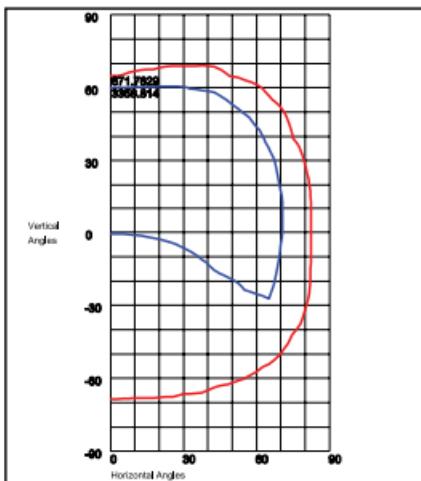
## PHOTOMETRICS



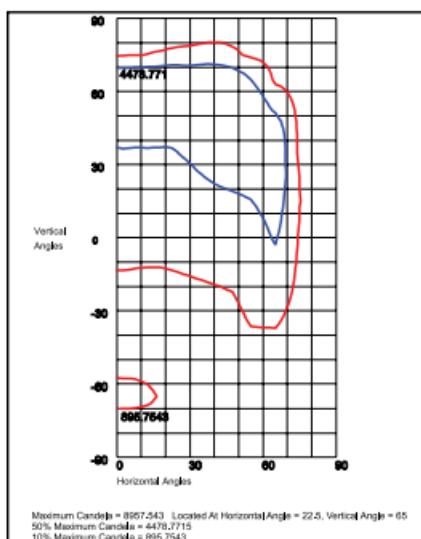
112 Watts - 50K  
 Clear Lens - Type I  
 $130^\circ$  H x  $70^\circ$  V



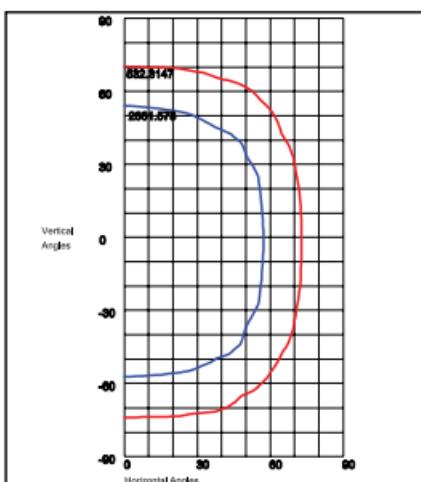
112 Watts - 50K  
 Clear Lens - Type II  
 $110^\circ$  H x  $30^\circ$  V



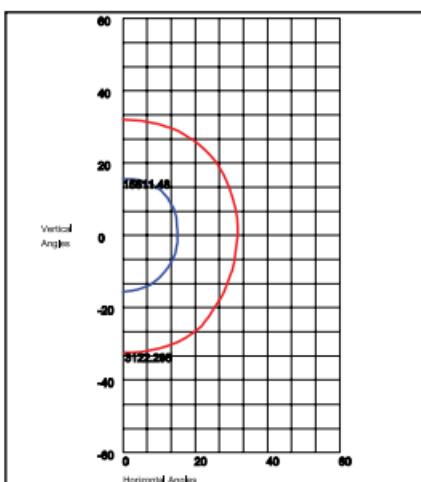
112 Watts - 50K  
 Clear Lens - Type III  
 $120^\circ$  H x  $70^\circ$  V



112 Watts - 50K  
 Clear Lens - Type IV  
 $110^\circ$  H x  $30^\circ$  V



112 Watts - 50K  
 Clear Lens - Type V  
 $115^\circ$  H x  $110^\circ$  V



112 Watts - 50K  
 Clear Lens - Narrow Beam  
 $30^\circ$  H x  $30^\circ$  V