

# PAF2

## Area, Wall, and Flood Light



### 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	30K	UNV	T1	C	DB	ARM	SF
	65 Watts <sup>2</sup>	3000K	120-277V	Type I	Clear Lens	Dark Bronze	Mounting Arm	Single Fuse <sup>5</sup>
	81W	40K	347V	T2	S	CC	SLP	DF
	81 Watts	4000K	347-480V <sup>3</sup>	Type II	Soft-Diffused Lens <sup>4</sup>	Custom RAL Color	Slipfitter	Double Fuse <sup>5</sup>
	112W	50K		T3			PMA	SP
112 Watts	5000K		Type III			Pole-Mount Arm	Surge Protection	
				T4			YK	MIR1
				Type IV			Yoke	IR Motion Sensor for Heights 20' to 35'
				T5			TRN	MIR2
				Type V			Trunnion	IR Motion Sensor for Heights ≤18'
				NB			WM	PCR3
				Narrow Beam <sup>1</sup>			Wall Mount	3-Pin Twist Lock Photocell Receptacle
							KNL	PCR5
							Knuckle	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.

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



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		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	LED	Static White 3000K, 4000K, or 5000K
	CRI	80
	OPTICS	Type I, II, III, IV, V and 30° Narrow Beam
	DELIVERED LUMEN OUTPUT	up to 15,944 Lumens
	EFFICACY	up to 132 Lumens per Watt
	LUMEN MAINTENANCE	L70 > 300,000 Hours at 77°F*

LIGHT DISTRIBUTIONS	INPUT WATTAGE	OPTIC	3000K			4000K			5000K		
			LUMENS	EFFICACY	B-U-G RATING	LUMENS	EFFICACY	B-U-G RATING	LUMENS	EFFICACY	B-U-G RATING
65W	TYPE III	N/A			6823	101	2-0-2	7089	105	2-0-2	
		TYPE IV	6158	73	1-0-2	N/A					
			N/A			6508	96	2-0-0	6762	100	2-0-0
81W	TYPE I	N/A			10109	120	3-0-1	10503	125	3-0-2	
	TYPE II	9268	110	2-0-2	9644	115	2-0-2	10019	119	2-0-2	
	TYPE III	10181	121	2-0-2	10594	126	2-0-2	11007	131	2-0-2	
	TYPE IV	9563	114	1-0-2	9950	118	1-0-2	10338	123	1-0-2	
	TYPE V	9712	115	3-0-1	10106	120	3-0-1	10499	125	3-0-1	
112W	TYPE I	N/A			14644	121	3-0-2	15214	126	3-0-2	
	TYPE II	N/A			13970	115	2-0-2	14514	120	2-0-2	
	TYPE III	14748	122	3-0-3	15346	127	3-0-3	15944	132	3-0-3	
	TYPE IV	12986	107	2-0-3	13513	112	2-0-3	14039	116	2-0-3	
	TYPE V	13161	109	3-0-1	13637	113	3-0-1	15209	126	3-0-1	

Values reflect delivered lumens at full output.

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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).

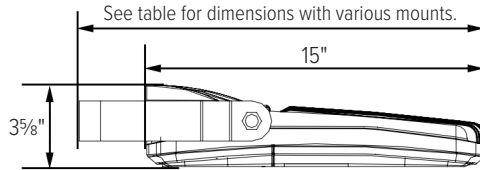
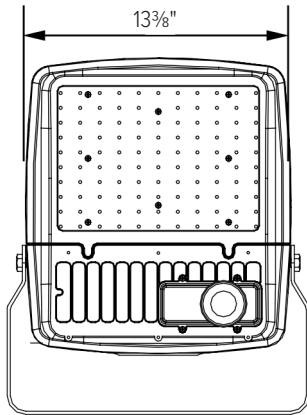
# PAF2

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### 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



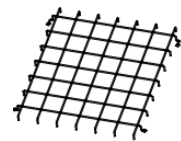
PAF1/2-WMADPT-BRZ



LCHSNG



PAF1/2-VISOR-BRZ



PAF1/2-WG-BRZ



PAF1/2-SB1SZ



PAF1/2-SB290SZ



PAF1/2-SB2180SZ



PAF1/2-SB390SZ



PAF1/2-SB3120SZ

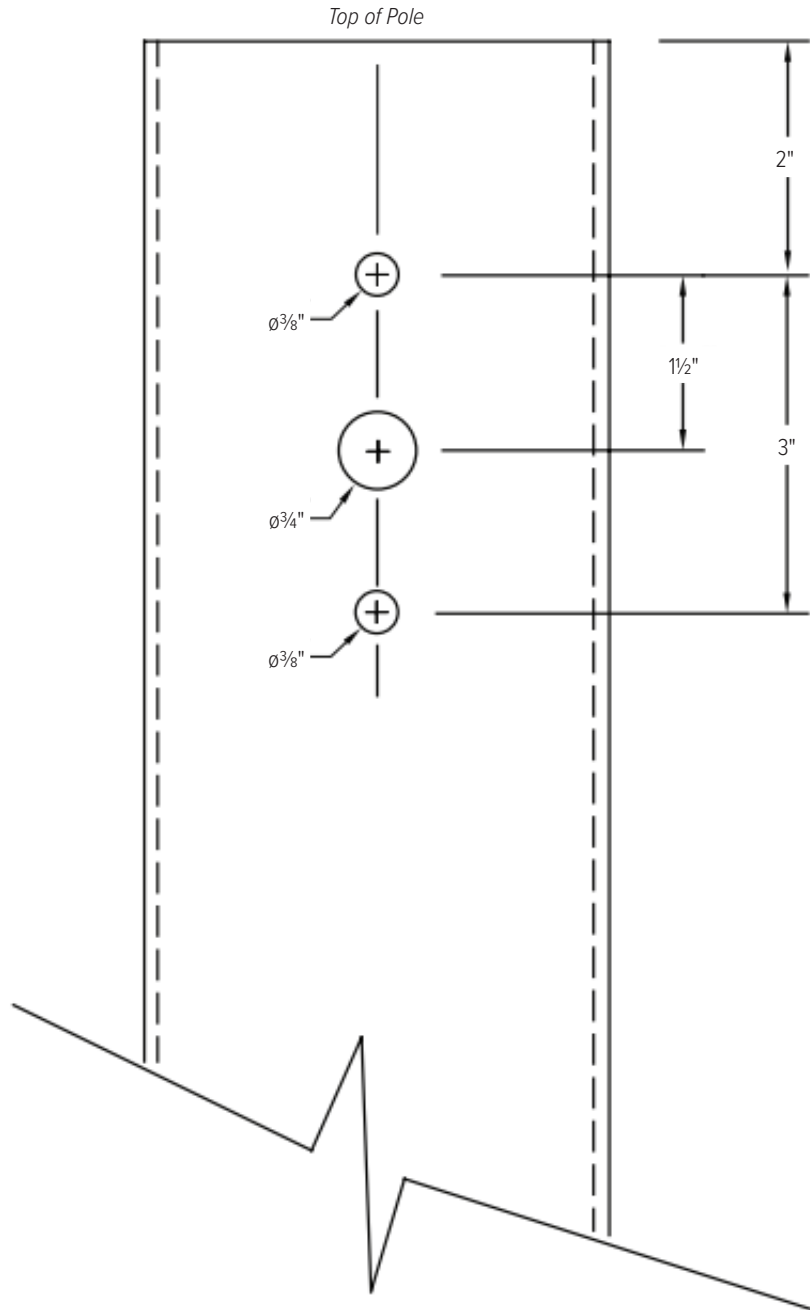


PAF1/2-SB490SZ

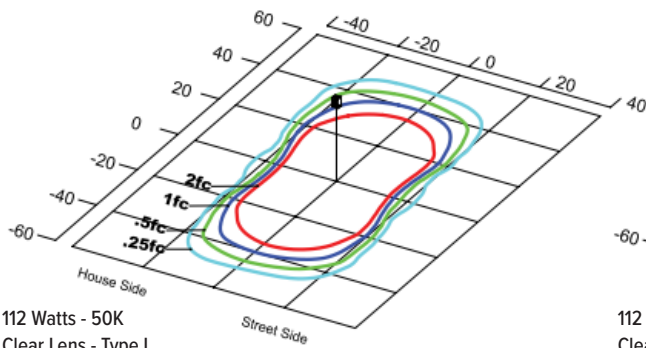
2 3/8" Horizontal Mounting Arms, Bronze Powdercoat Finish. Includes Mounting Hardware. Mounts To 2 3/8" Vertical Pole Top Tenons.

### POLE DRILLING TEMPLATE

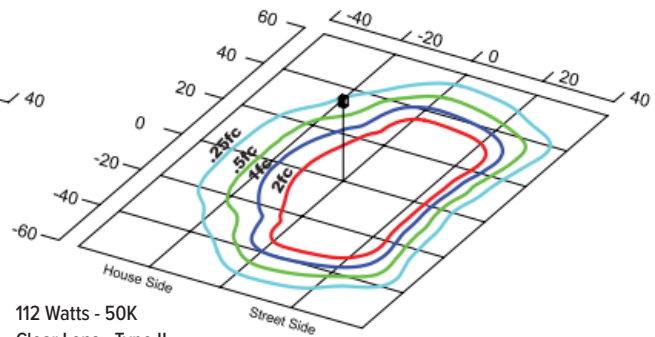
All dimensions are shown in inches. Drawing is not to scale.



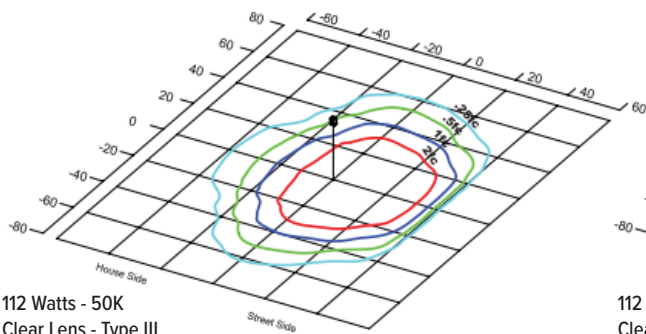
### PHOTOMETRICS



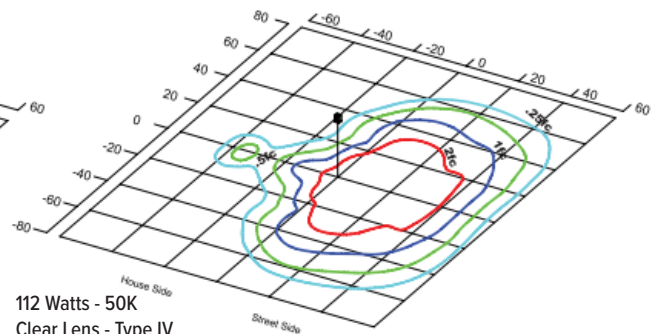
112 Watts - 50K  
Clear Lens - Type I  
Grid in MH  
MH=20 Feet



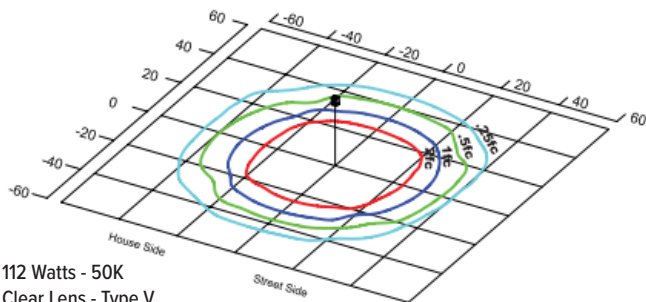
112 Watts - 50K  
Clear Lens - Type II  
Grid in MH  
MH=20 Feet



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

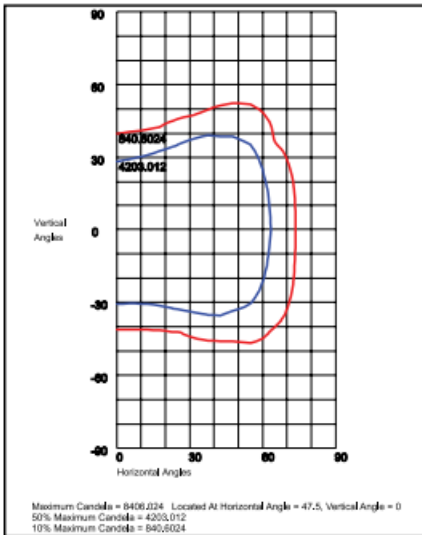


112 Watts - 50K  
Clear Lens - Type IV  
Grid in MH  
MH=20 Feet

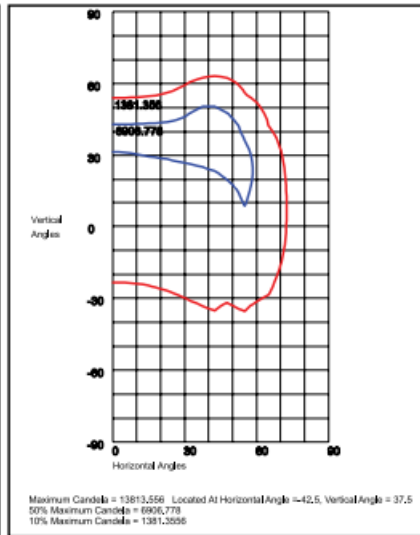


112 Watts - 50K  
Clear Lens - Type V  
Grid in MH  
MH=20 Feet

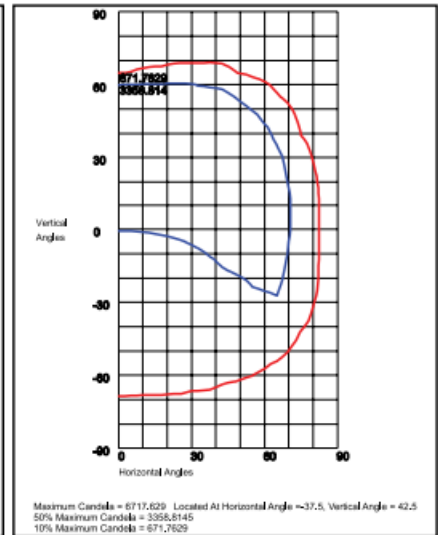
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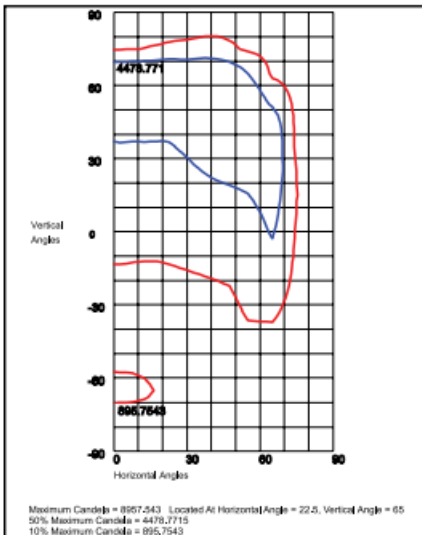
112 Watts - 50K  
 Clear Lens - Type I  
 130° H x 70° V



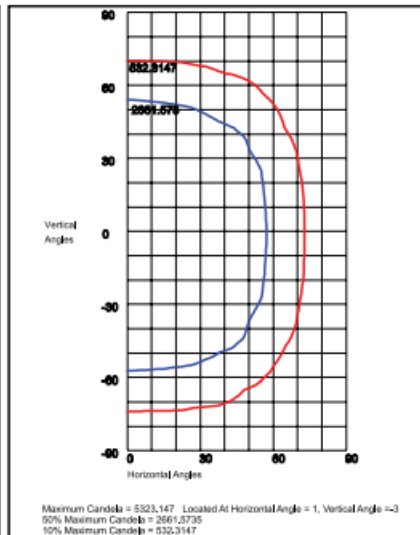
112 Watts - 50K  
 Clear Lens - Type II  
 110° H x 30° V



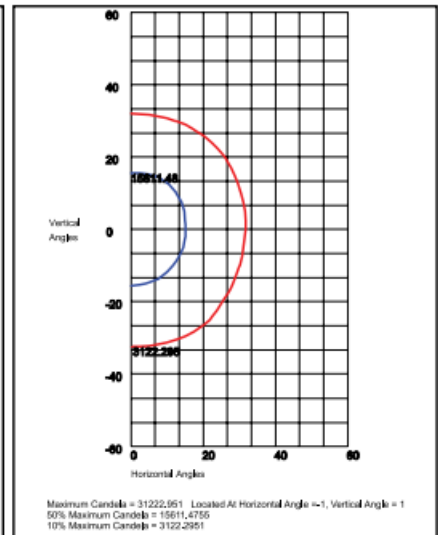
112 Watts - 50K  
 Clear Lens - Type III  
 120° H x 70° V



112 Watts - 50K  
 Clear Lens - Type IV  
 110° H x 30° V



112 Watts - 50K  
 Clear Lens - Type V  
 115° H x 110° V



112 Watts - 50K  
 Clear Lens - Narrow Beam  
 30° H x 30° V