

PAF1

Area, Wall, and Flood Light



DESCRIPTION

The PAF1 area or wall mounted luminaire is suitable for applications such as smaller parking areas, pocket parks, retail centers, industrial parks, schools, and office buildings. It is available in three wattages with Type III or Type V distributions in 4000K or 5000K color temperatures. The luminaire is scaled in size and output for mounting heights between 10 to 20 feet depending on the required light level and uniformity. Optional soft glass lens reduces brightness for increased visual comfort.



Date: _____ Type: _____ Catalog Number: _____

Project Name: _____

ORDERING INFORMATION

LUMINAIRE

MODEL	OUTPUT	CCT	VOLTAGE	OPTIC	LENS	FINISH	MOUNTING	OPTIONS
PAF1 Small Area/Flood Light	22W 22 Watts	30K 3000K ¹	UNV 120-277V	T3 Type III	C Clear Lens	DB Dark Bronze	ARM Mounting Arm	SF Single Fuse, 120-277V models only ¹
	37W 37 Watts	40K 4000K	347V 347-480V ²	T5 Type V	S Soft-Diffused Lens ³	CC Custom RAL Color	SLP Slipfitter	DF Double Fuse, 120-277V models only ¹
	56W 56 Watts	50K 5000K					PMA Pole-Mount Arm	SP Surge Protection
							YK Yoke	MIR1 IR Motion Sensor for Heights 20' to 35'
							TRN Trunnion	MIR2 IR Motion Sensor for Heights ≤18'
							WM Wall Mount	PC Photocell, 120-277VAC
							KNL Knuckle	PC2 Pencil Photocell, 277VAC
								PC3 Pencil Photocell, 120-277VAC
								EM Emergency Battery Backup ^{1,2}
								EMC Cold Start Emergency Battery Backup ^{1,2} -20°C, 90 Minutes

¹120-277V models only. ²Available with Wall Mount (WM) only. ³Available with 37-watt model only.

⁴3000K option is only available with T5 optic on 37-watt models, or T3 or T5 optic on 22-watt models.

⁵Only available with T5 optic.

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:

PAF1-22W-50K-UNV-T3-C, PAF1-22W-50K-UNV-T5

PAF1-37W-50K-UNV-T3-C, PAF1-37W-50K-UNV-T5



PAF1

Area, Wall, and Flood Light



PAF1		
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	10 to 20 Feet
	MOUNTING	7 Mounting Options Available; See Page 3 for details.
	WEIGHT	11 Pounds
	EPA	See Page 3 for details.

ELECTRICAL	POWER	22 Watts	37 Watts	56 Watts
	CURRENT	0.18 Amps @ 120 Volts 0.08 Amps @ 277 Volts	0.31 Amps @ 120 Volts 0.13 Amps @ 277 Volts	0.47 Amps @ 120 Volts 0.20 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	2kV	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 III or V Distribution
	DELIVERED LUMEN OUTPUT	up to 4921 Lumens
	EFFICACY	up to 105 Lumens per Watt
	LUMEN MAINTENANCE	L70 > 50,000 Hours at 77°F*

LIGHT DISTRIBUTIONS	CCT	DATA	22 WATTS		37 WATTS		56 WATTS	
			Type III	Type V	Type III	Type V	Type III	Type V
Values reflect delivered lumens at full output.	3000K	LUMENS	2659	2536	N/A	4266	N/A	
		EFFICACY	107	102		104		
		B-U-G RATING	1-0-1	1-0-0		2-0-0		
	4000K	LUMENS	2767	2639	4653	4439	7189	6858
		EFFICACY	112	106	114	109	117	111
		B-U-G RATING	1-0-1	1-0-0	1-0-1	2-0-0	2-0-2	2-0-0
	5000K	LUMENS	2875	2742	4834	4611	7469	7125
		EFFICACY	116	111	118	113	121	116
		B-U-G RATING	1-0-1	1-0-0	1-0-1	2-0-0	2-0-2	3-0-0

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)

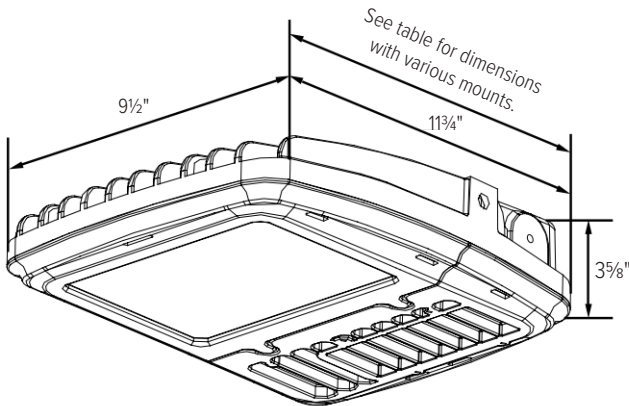
Die-Cast Adjustable Knuckle with 1/2" Threads. Bronze Powdercoat Finish.

EFFECTIVE PROJECTED AREA

CONFIGURATION	EPA (Sq. Ft.)	Weight (Pounds)
1 @ 90°	0.35	11 Pounds
2 @ 180°	0.70	22 Pounds
2 @ 90°	0.48	22 Pounds
3 @ 90°	0.77	33 Pounds
3 @ 120°	0.70	33 Pounds
4 @ 90°	0.77	44 Pounds
Values calculated using Mounting Arm (ARM).		

DIMENSIONS

All dimensions are shown in inches.



MOUNTING BRACKET DIMENSIONS		
CODE	DESCRIPTION	LENGTH
ARM	Mounting Arm	16"
SLP	Slipfitter	15 1/2"
PMA	Pole Mount Arm	16"
YK	Yoke	14 3/4"
TRN	Trunnion	15 1/2"
WM	Wall Mount	12 3/4"
KNL	Knuckle	17 3/4"

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

PAF1-WG-BRZ
Wire Guard, Stainless Steel Construction, Includes Hardware



PAF1/2-RPADPT-BRZ



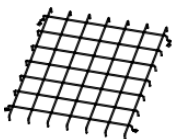
PAF1/2-WMADPT-BRZ



LCHSNG



PAF1-VISOR-BRZ



PAF1-WG-BRZ



PAF1-SB1SZ



PAF1-SB290SZ



PAF1-SB2180SZ



PAF1-SB390SZ



PAF1-SB3120SZ

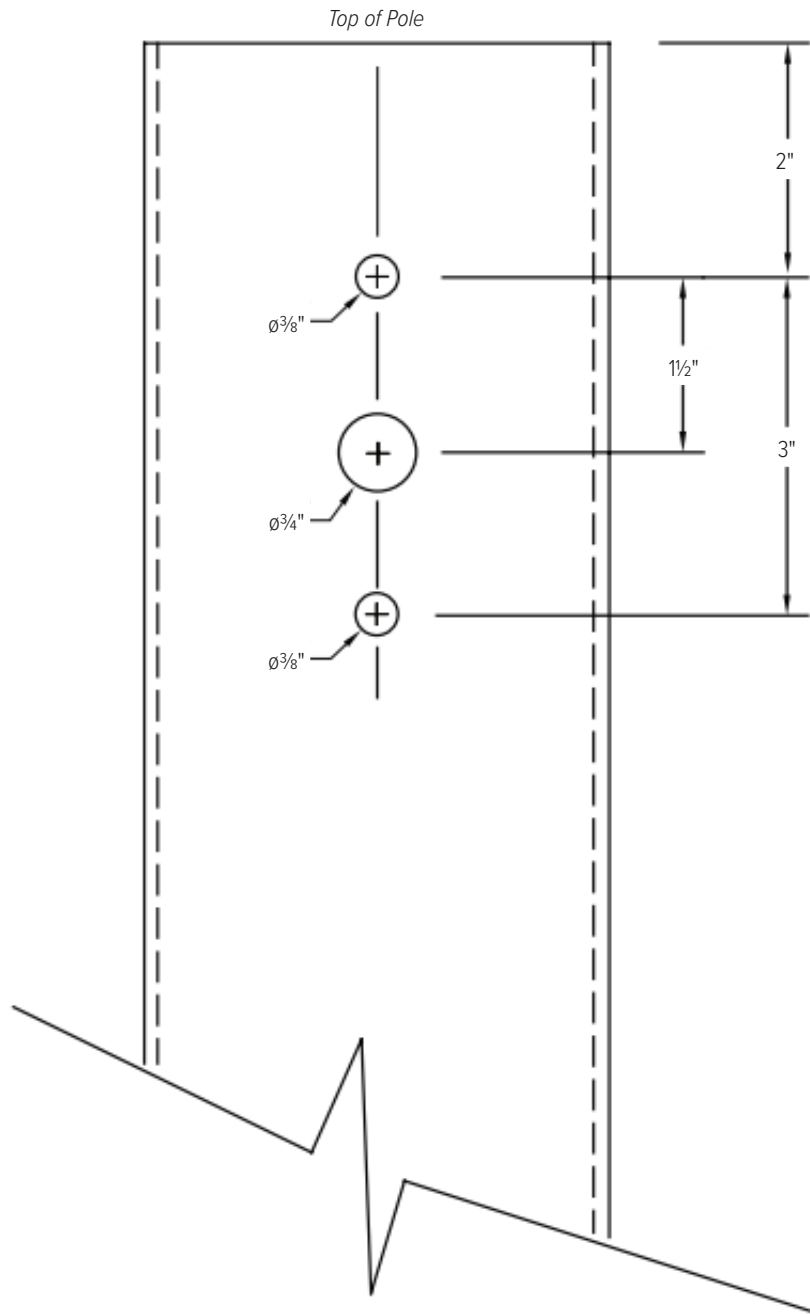


PAF1-SB490SZ

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

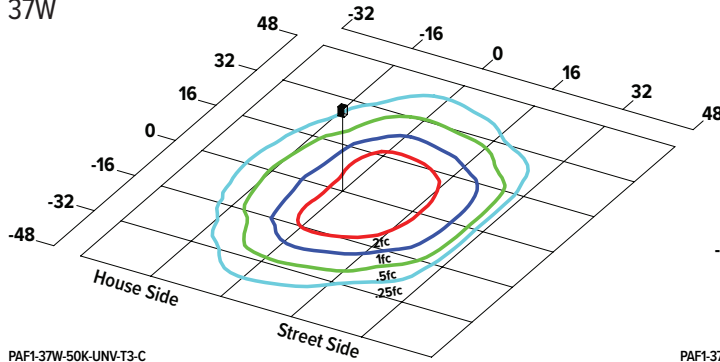
POLE DRILLING TEMPLATE

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

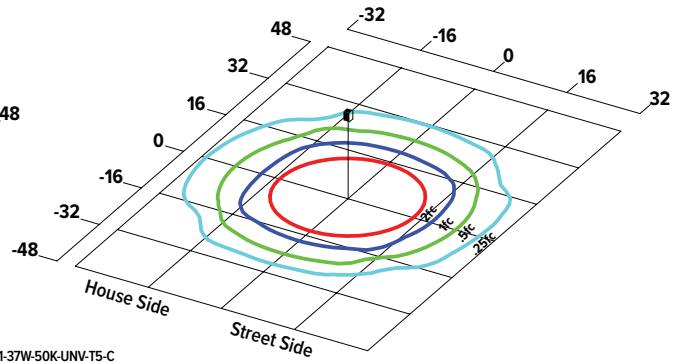


PHOTOMETRICS

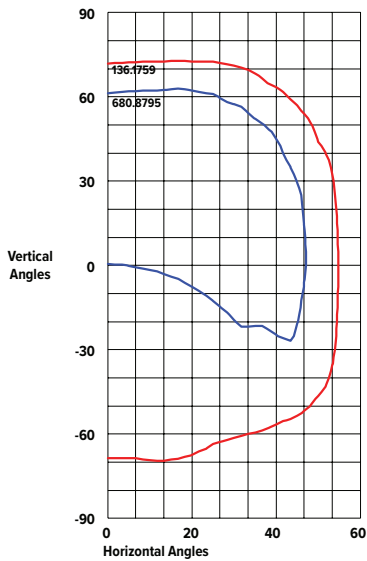
37W



PAF1-37W-50K-UNV-T3-C
Type III
Grid in MH
MH=16 Feet

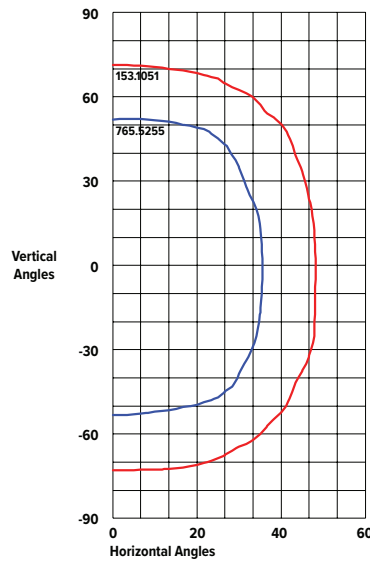


PAF1-37W-50K-UNV-T5-C
Type V
Grid in MH
MH=16 Feet



Maximum Candela = 1361.759 Located at Horizontal Angle = 5, Vertical Angle = 29
50% Maximum Candela = 680.8795
10% Maximum Candela = 136.1759

PAF1-37W-50K-UNV-T3-C
120°H x 70°V, NEMA 7H x 7V

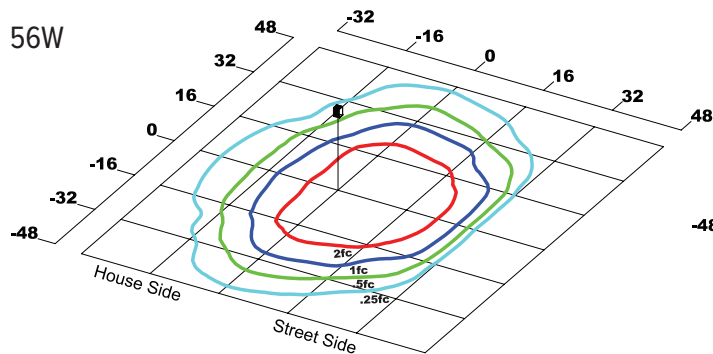


Maximum Candela = 1531.051 Located at Horizontal Angle = 3, Vertical Angle = 0
50% Maximum Candela = 765.5255
10% Maximum Candela = 153.1051

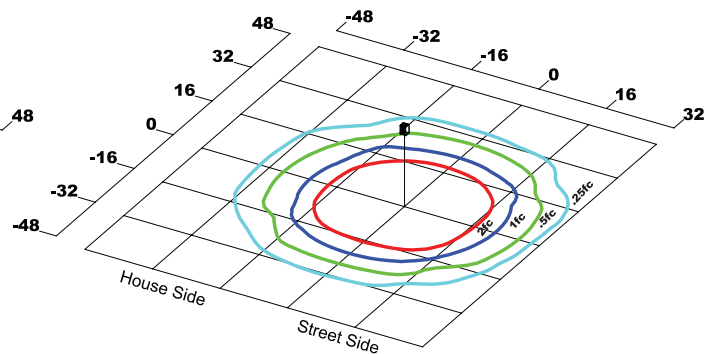
PAF1-37W-50K-UNV-T5-C
115°H x 110°V, NEMA 7H x 7V

PHOTOMETRICS

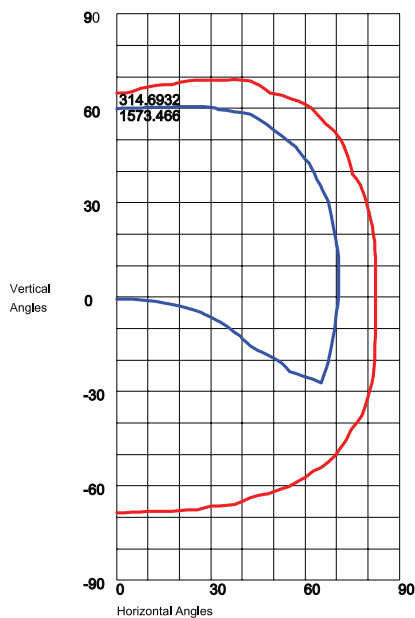
56W



PAF1-56W-50K-UNV-T3-C
Type III
Grid in MH
MH=16 Feet

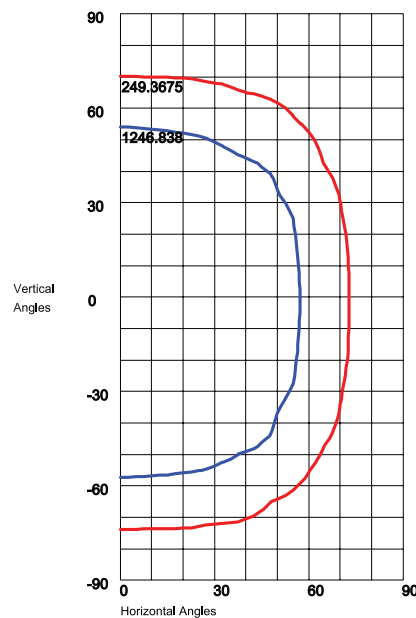


PAF1-56W-50K-UNV-T5-C
Type V
Grid in MH
MH=16 Feet



Maximum Candela = 3146.932 Located at Horizontal Angle = 37.5, Vertical Angle = 42.5
50% Maximum Candela = 1573.466
10% Maximum Candela = 314.6932

PAF1-56W-50K-UNV-T3-C
120°H x 70°V, NEMA 7H x 7V



Maximum Candela = 2493.675 Located at Horizontal Angle = 1, Vertical Angle = 3
50% Maximum Candela = 1246.8375
10% Maximum Candela = 249.3675

PAF1-56W-50K-UNV-T5-C
115°H x 110°V, NEMA 7H x 7V