

PAF1

LED 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



FIXTURE	MODEL	CCT	DRIVER	OPTICS	LENS	FINISH	MOUNTING	OPTIONS
PAF1 Area, Wall & Flood Light	22W	40K 4000K	UNV 120-277V	T3 Type III	C Clear	BRZ Bronze	ARM Mounting Arm	SF Single Fuse
	37W	50K 5000K	347V 347-480V (37W only)	T5 Type V	S Soft	CC Custom	SLP Slipfitter	DF Double Fuse
	56W						PMA Pole Mount Arm	SP Surge Protection
							YK Yoke	MIR1 IR for mounting heights of 20ft to 35ft
							TRN Trunion	MIR2 Motion Sensor, IR for mounting heights of 18ft or less
							WM Wall Mount	PC1 Photocell, 120-277VAC
							KNL Knuckle	PC2 Pencil Photocell, 120-277VAC

ACCESSORIES

- PAF1/2-RPADPT-BRZ**
Die-Cast Adaptor for 3" to 4" Round Poles, Bronze Powdercoat Finish. Use with ARM Mounting Arm only
- PAF1/2-WMADPT-BRZ**
Die-Cast Wall Mount Adaptor, Bronze Powdercoat Finish. Use with ARM Mounting Arm 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

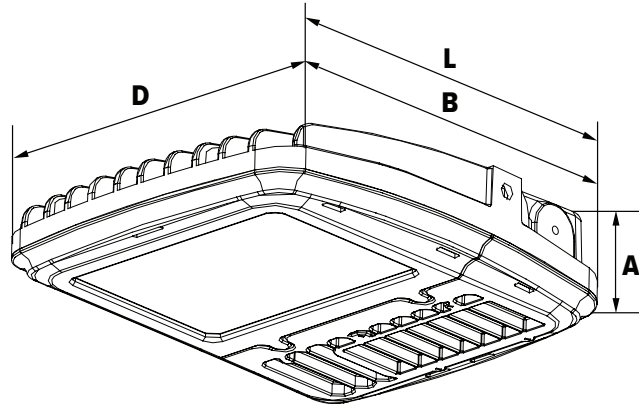


PRODUCT SPECIFICATIONS

LUMEN OUTPUT	Up to 7,469 @ 5000K (see photometric data chart for details)
EFFICACY	Up to 121 Lm/W (see photometric data chart for details)
LUMEN MAINTENANCE	(L70): >320,000 @ 25°C
COLOR TEMPERATURES	4000K, 5000K
CRI	80CRI
OPTICS	Tempered Clear Flat or SoftLED Flat Glass Lens
OPERATING TEMPERATURE	-40°C to +50°C (-40F to +122F)
POWER CONSUMPTION	22W: System 25w 37W: System 41w 56W: System 62w
DRIVERS	Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz (37w Model Only); Less Than 20% THD and PF>0.90. Standard Internal Surge Protection is 2kV for 22w, 6kV for 37w & 56w. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.
CERTIFICATIONS	 
INGRESS PROTECTION	IP66 Sealed LED Compartment, Listed for Wet Locations
HOUSING	Die Cast Aluminum Housing and Front Frame, Integral Heat Sinking and Driver Compartment. Photocell Adaptable. Nickel-Plated Stainless Steel Hardware.
FINISH	Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.
MOUNTING OPTIONS	Mounts with Adjustable Knuckle, Arm, Adjustable Slipfitter, 2 $\frac{3}{8}$ " Diameter Mounting Arm Adapter, Yoke, Two-Piece Bracket or Wall Mount Bracket (Factory Installed).
WARRANTY	5-Year Warranty for -40°C to +50°C Environment.

DIMENSIONS

WIDTH (D)	9 ½" (220mm)
LENGTH (B)	11 ¾" (280mm)
HEIGHT (A)	3 ⅝" (146mm)
LENGTH WITH MOUNT (L)	ARM Mounting Arm 16" (406mm)
	SLP Slipfitter 15 ½" (394mm)
	PMA Pole Mount Arm 16" (406mm)
	YK Yoke 14 ¾" (375mm)
	TRN Trunion 15 ½" (394mm)
	WM Wall Mount 12 ¾" (324mm)
	KNL Knuckle Mount 17 ¾" (450mm)



PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics		4000 CCT 80 CRI					5000 CCT 80 CRI				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
22W	525	25	T3	Type III	2,767	112	1	0	1	2,875	116	1	0	1
			T5	Type V	2,639	106	1	0	0	2,742	111	1	0	1
37W		41	T3	Type III	4,653	104	3	3	1	4,834	118	1	0	3
			T5	Type V	4,439	104	3	0	0	4,611	113	2	0	3
56W		62	T3	Type III	7,189	117	2	0	2	7,469	121	2	0	2
			T5	Type V	6,858	111	2	0	0	7,125	116	3	0	0

PROJECTED LUMEN MAINTENANCE

TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 62W	1.00	0.98	0.95	0.91	320,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.95	0.89	0.79	141,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.96	0.93	0.85	134,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

CONTROLS

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory.

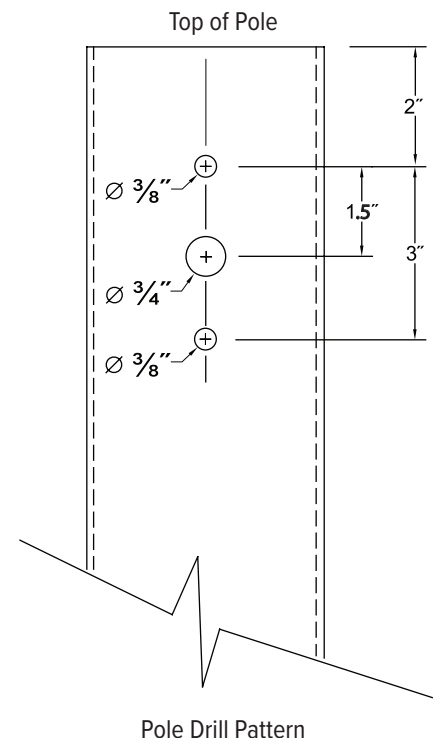
MOUNTING OPTIONS

PAF1 with Mounting Arm (ARM)	PAF1 with Slipfitter (SLF)	PAF1 with Pole Mount Arm (PMA)	PAF1 with Yoke (YK)
Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.	External Mount Die-Cast Adjustable Slipfitter for 23/8" Tenons, Bronze Powdercoat Finish, Includes Hardware.	Die-Cast Adaptor for 2 3/8" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.	Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.
PAF1 with Trunion (TRN)	PAF1 with Wall Mount (WM)	PAF1 with Knuckle Mount (KNL)	
Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.	Die-Cast Wall Bracket, Bronze Powdercoat Finish, Includes Hardware.	Die-Cast Adjustable Knuckle with 1/2" NPS Threads, Bronze Powdercoat Finish.	

EPA (EFFECTIVE PROJECTED AREA) Shown with Arm Mount.

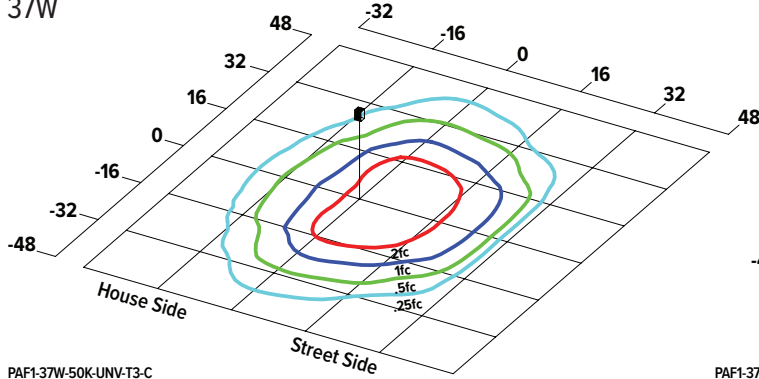
Configuration	EPA (Sq. Ft.)	Weight (lbs.)
	0.35	11 lbs.
	0.70	22 lbs.
	0.48	22 lbs.
	0.70	33 lbs.
	0.77	33 lbs.
	0.77	44 lbs.

PAF1 Pole Drill Template : Not To Scale

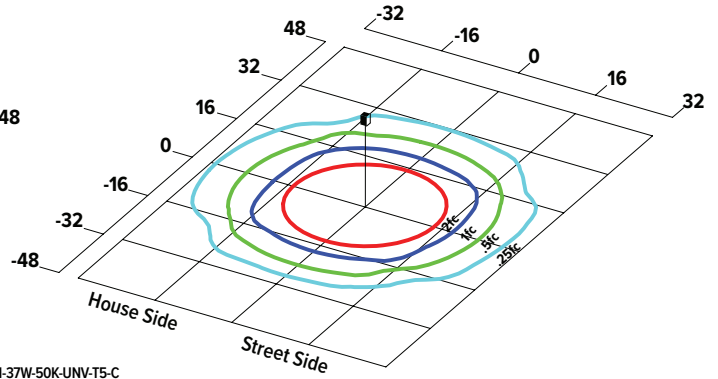


PHOTOMETRIC DATA

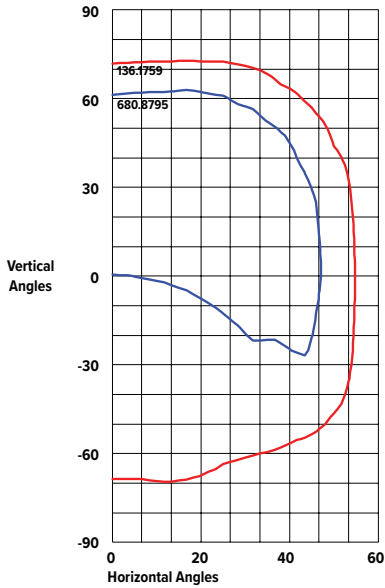
37W



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

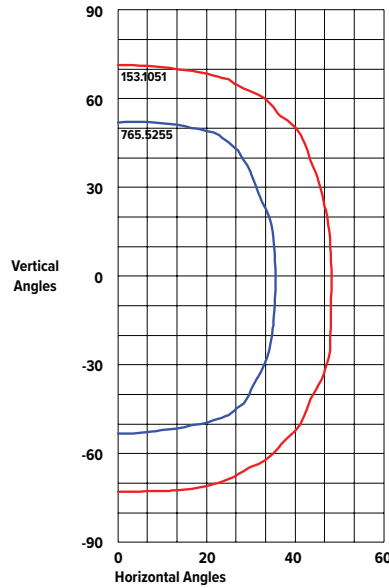


PAF1-37W-50K-UNV-T5-C
Type V
Grid in MH
MH=16 Feet



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

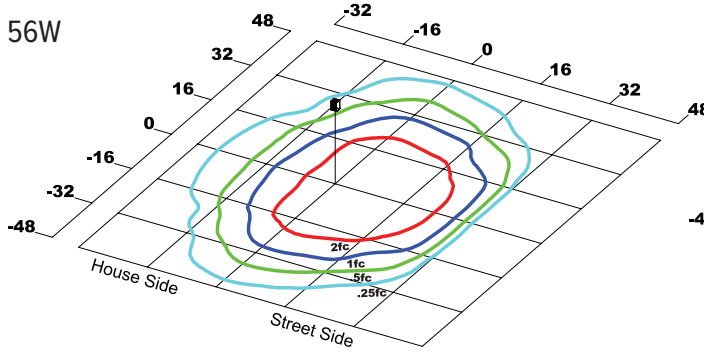


Maximum Candela = 1531.051 Located at Horizontal Angle = 3, Vertical Angle = 0
50% Maximum Candela = 765.5255
10% Maximum Candela = 153.1051

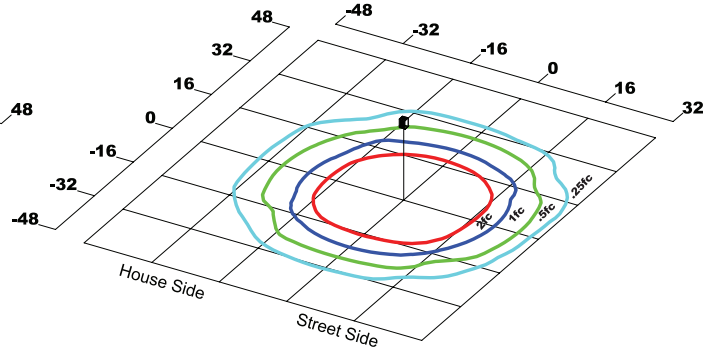
PAF1-37W-50K-UNV-T5-C
115°H x 110°V, NEMA 7H x 7V

PHOTOMETRIC DATA

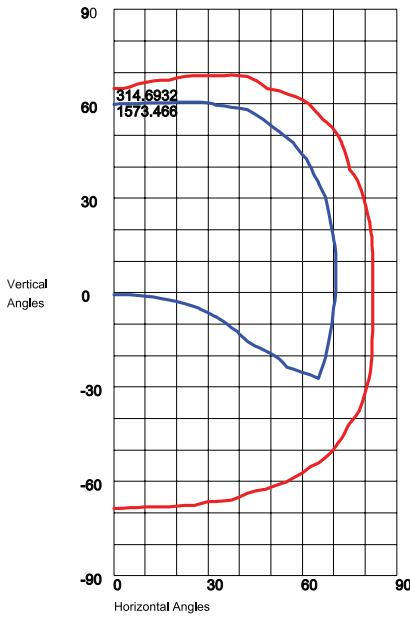
56W



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

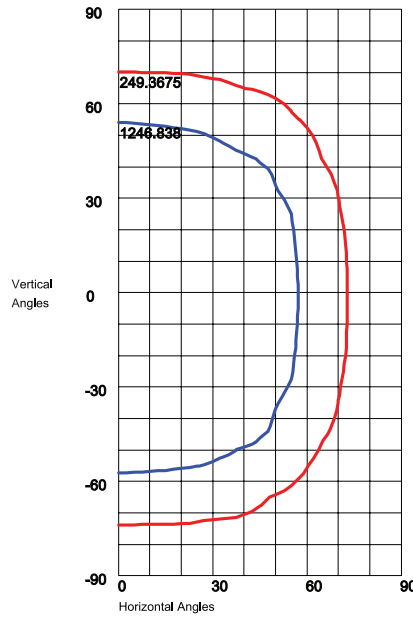


PAF1-56W-50K-UNV-T5-C
Type V
Grid in MH
MH=16 Feet



Maximum Candela = 314,693.2 Located at Horizontal Angle = 37.5, Vertical Angle = 42.5
50% Maximum Candela = 157,346.6
10% Maximum Candela = 314,693.2

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



Maximum Candela = 249,367.5 Located at Horizontal Angle = 1, Vertical Angle = 3
50% Maximum Candela = 124,683.8
10% Maximum Candela = 249,367.5

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