

PAF1

LED Area, Wall and Flood Light

PANTHEON

DESCRIPTION

Pantheon's PAF1 is a versatile area, flood, or wall mounted light head available in two wattages, three optical distributions, and three color temperatures designed to replace metal halide lighting systems from 70W to 250W. Perfect for applications including parking areas, retail centers, industrial parks, schools, and office buildings. As an area light the PAF1 can be mounted at a height from 10 to 20 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 PAF1 a perfect choice.



Date: _____ Type: _____ Catalog Number: _____

Project Name: _____

ORDERING INFORMATION

FIXTURE	MODEL	CCT	DRIVER	OPTICS	LENS	FINISH	MOUNTING	OPTIONS
PAF1 Area, Wall & Flood Light	22W	30K 3000K (37W only)	UNV 120-277V	T3 Type III	C Clear	BRZ Bronze	ARM Mounting Arm	SF Single Fuse
	37W	40K 4000K (T3 and T45 optics only)	347V 347-480V (37W only)	T5 Type V	S Soft	CC Custom	SLP Slipfitter	DF Double Fuse
	56W	50K 5000K		NB Narrow Beam (22W & 37W 50K only)			PMA Pole Mount Arm	SP Surge Protection

ACCESSORIES

RPADPT

Die-Cast Adaptor for 3" to 4" Round Poles, Bronze Powdercoat Finish. Use with ARM Mounting Arm only

WMADPT

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

VISOR

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

WG

Wire Guard, Stainless Steel Construction, Includes Hardware

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



RPADPT



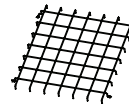
WMADPT



LCHSNG



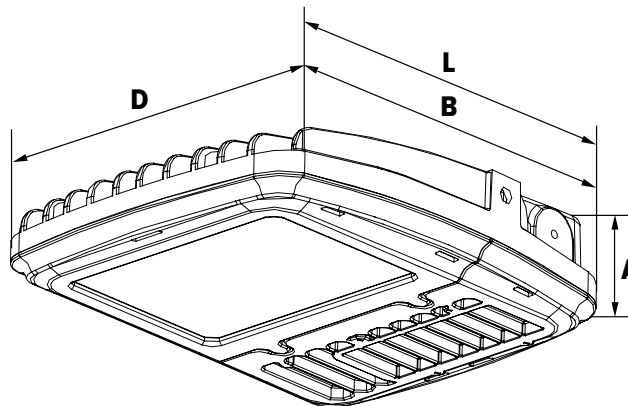
VISOR



WG

DIMENSIONS

WIDTH (D)	9 1/2" (220mm)
LENGTH (B)	11 3/4" (280mm)
HEIGHT (A)	3 5/8" (146mm)
LENGTH WITH MOUNT (L)	ARM Mounting Arm 16" (406mm)
	SLP Slipfitter 15 1/2" (394mm)
	PMA Pole Mount Arm 16" (406mm)
	YK Yoke 14 3/4" (375mm)
	TRN Trunion 15 1/2" (394mm)
	WM Wall Mount 12 3/4" (324mm)
	KNL Knuckle Mount 17 3/4" (450mm)



PHOTOMETRIC PERFORMANCE

				5000 CCT 80 CRI					4000 CCT 80 CRI					3000 CCT 80 CRI					
LED Board Watts	Drive Current (mA)	Input Watts	Optics		Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
22W	525	25	T3	Type III	2,875	116	1	0	1	2,767	112	1	0	1	-	-	-	-	-
			T5	Type V	2,742	111	1	0	1	2,639	106	1	0	0	-	-	-	-	-
			NB	Narrow Beam	2,682	112	1	0	2	-	-	-	-	-	-	-	-	-	-
37W		41	T3	Type III	4,834	118	1	0	3	4,653	104	3	3	1	-	-	-	-	-
			T5	Type V	4,611	113	2	0	3	4,439	104	3	0	0	4,266	104	2	0	0
			NB	Narrow Beam	4,647	114	3	3	3	-	-	-	-	-	-	-	-	-	-
56W		62	T3	Type III	7,469	121	2	0	2	7,189	117	2	0	2	-	-	-	-	-
			T5	Type V	7,125	116	3	0	0	6,858	111	2	0	0	-	-	-	-	-

PROJECTED LUMEN MAINTENANCE

Data shown for 5000 CCT			Compare to MH			
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.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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

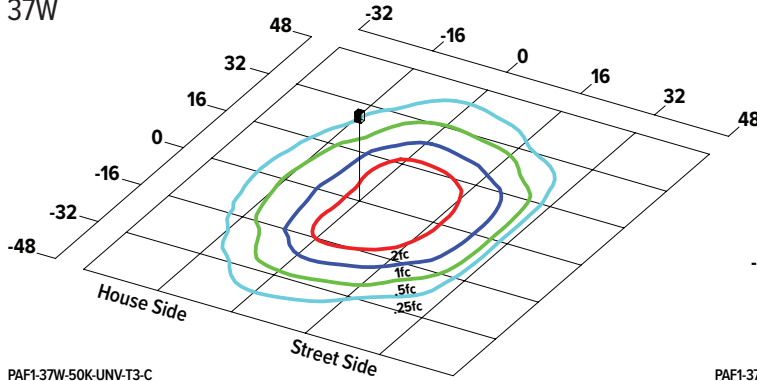
PAF1 with Mounting Arm (ARM)	PAF1 with Slipfitter (SLF)	PAF1 with Pole Mount Arm (PMA)	PAF1 with Yoke (YK)
Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.	External Mount Die-Cast Adjustable Slipfitter for 23/8" Tenons, Bronze Powdercoat Finish, Includes Hardware.	Die-Cast Adaptor for 23/8" 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.

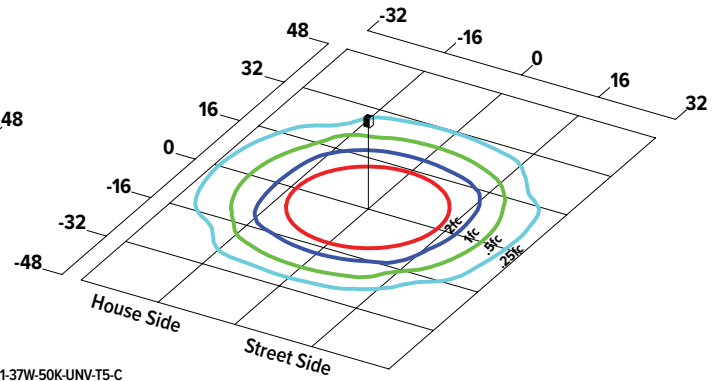
Configuration	EPA (Sq. Ft.)	Weight (lbs.)
	0.35	11 lbs.
	0.70	22 lbs.
	0.48	22 lbs.
	0.70	33 lbs.
	0.77	33 lbs.
	0.77	44 lbs.

PHOTOMETRIC DATA

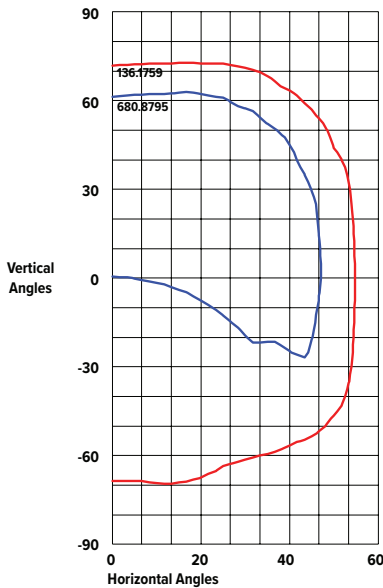
37W



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

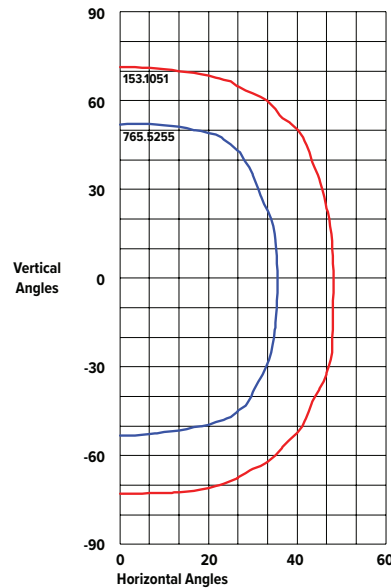


PAF1-37W-50K-UNV-T5-C
Type V
Grid in MH
MH=16 Feet



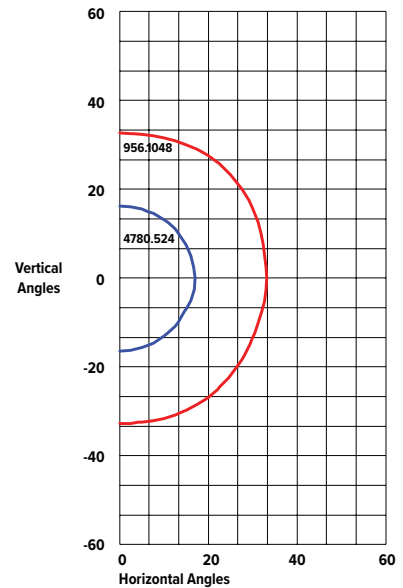
Maximum Candela = 1361.759 Located at Horizontal Angle = 5, Vertical Angle = 29
50% Maximum Candela = 680.8795
10% Maximum Candela = 136.1759

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

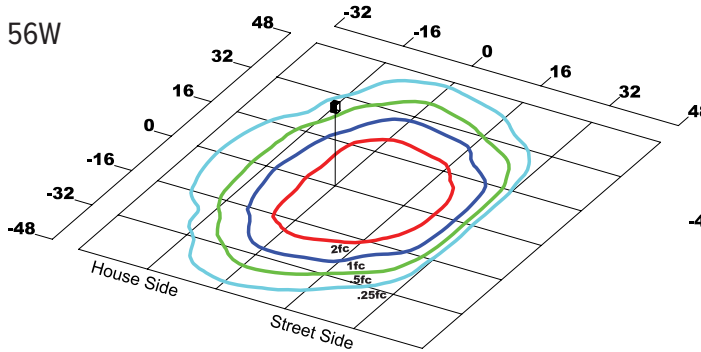


Maximum Candela = 9561.048 Located at Horizontal Angle = 1, Vertical Angle = 0
50% Maximum Candela = 4780.524
10% Maximum Candela = 956.1048

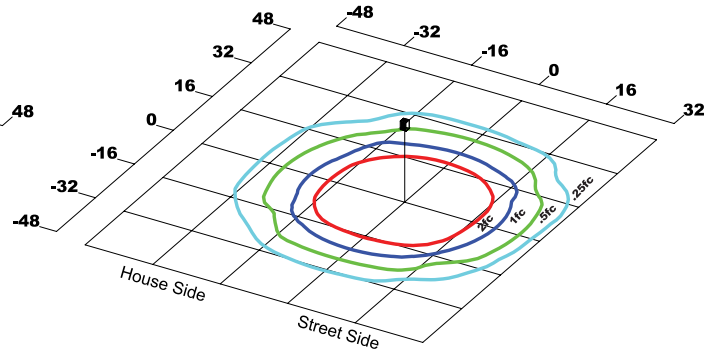
PAF1-37W-50K-UNV-NB-C
30°H x 30°V, NEMA 7H x 7V

PHOTOMETRIC DATA

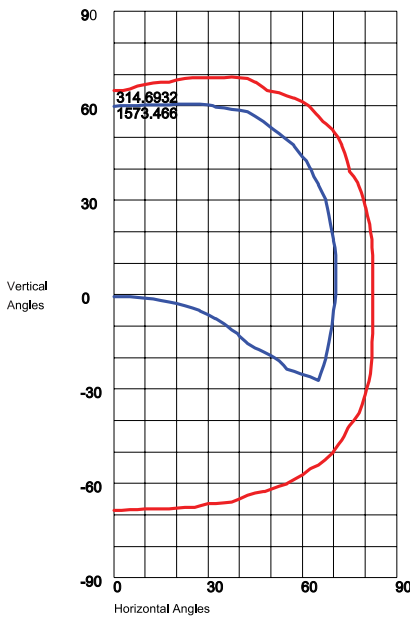
56W



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

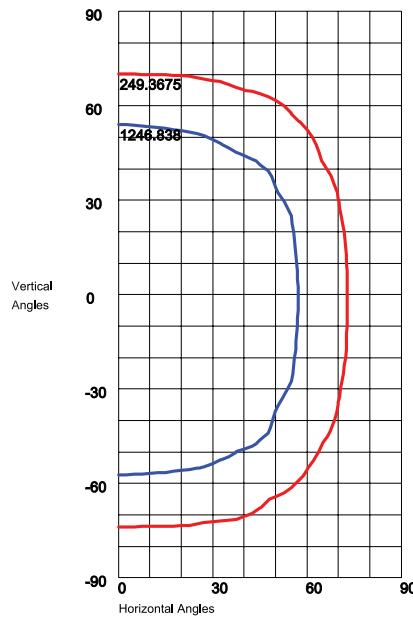


PAF1-56W-50K-UNV-T5-C
Type V
Grid in MH
MH=16 Feet



Maximum Candela = 314.6932 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 = 249.3675 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

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	3000K, 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 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.