

PAF3

LED Area, Wall and Flood Luminaire



DESCRIPTION

The Pantheon PAF3 is a high-performance area, flood, or wall mounted luminaire head with a full array of light distributions in three color temperatures. Wattages range from 99 watts to 256 watts, making the luminaire ideally suited for illumination of general areas and parking lots found in retail centers, industrial parks, schools, airports, and office complexes. The PAF3 is effective for mounting heights from 16 to 35 feet based on required light levels and uniformity. Multiple mounting options and accessories enhance the capabilities of the luminaire for adaptation to a wide variety of installations. Optional soft glass lens for increased visual comfort.



Date: _____ Type: _____ Catalog Number: _____

Project Name: _____

ORDERING INFORMATION

FIXTURE	MODEL	CCT	DRIVER	OPTICS	LENS	FINISH	MOUNTING	OPTIONS
PAF3	99W	30K ¹ 3000K	UNV 120-277V	T1 Type 1	C Clear	BRZ Bronze	ARM Mounting Arm	SF Single Fuse (120-277V only)
	111W	40K 4000K	347V 347-480V	T2 Type 2	S Soft	CC Custom	SLF Slipfitter	DF Double Fuse (120-277V only)
	133W	50K 5000K		T3 Type 3	P ³ Prismatic		PMA Pole Mount Arm	SP Surge Protection
	136W			T4 Type 4			YK Yoke	MIR1 Motion Sensor, IR for mounting heights of 20ft to 35ft (120-277V only)
	167W			T5 Type 5			BR Two-piece swivel bracket	MIR2 Motion Sensor, IR for mounting heights of 18ft or less (120-277V only)
	183W			NB ² Narrow Beam			WM Wall Mount	PCR3 3-Pin Twist Lock Photocell Receptacle
	199W							PCR5 5-Pin Twist Lock Photocell Receptacle
	225W							PCR7 7-Pin Twist Lock Photocell Receptacle
	256W							MSD Microwave Motion Sensor with Dimming for Mounting Heights ≤35' (120-277VAC)
								MS Microwave On/Off Motion Sensor for Mounting Heights 8'-19' (120-277VAC)

¹ Use with T3 & T5 optics only.

² NB use with 50K options only.

³ Use with T5 optic only.

ACCESSORIES

PAF3 - RPADPT

Die-Cast Adaptor for 4" to 6" Round Poles, Bronze Powdercoat Finish. Use with ARM Mounting Arm only

PAF3 - WMADPT

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

TLNSC

Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum

TLSC

Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always On). Rated Load 7200w Tungsten

PCTD120

120VAC Time Delay Twist Lock Photocell

PCTD277

277VAC Time Delay Twist Lock Photocell

PCUNVTL

120-277VAC Universal Twist Lock Photocell

PC480TL

480VAC Time Delay Twist Lock Photocell. For 480V use only

LCHSNG

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

PAF3 - VISOR

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

PAF3 - WG

Wire Guard, Stainless Steel Construction, Includes Hardware

LCHSNGPC

Bronze UV-Stabilized Polycarbonate Housing for Installing Sensors, Includes Sensor Bracket and Gasket



PAF3 - RPADPT



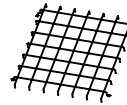
PAF3 - WMADPT



LCHSNG



PAF3 - VISOR



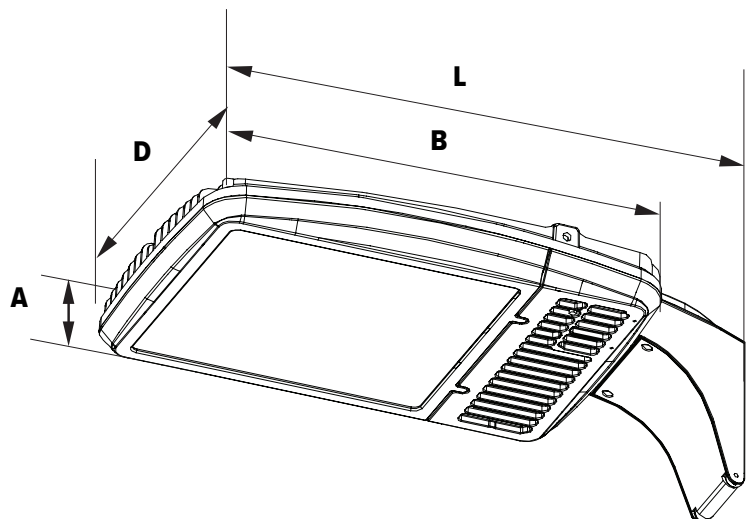
PAF3 - WG





LCHSNGPC

DIMENSIONS


WIDTH (D)	15 3/4" (400mm)
LENGTH (B)	22" (559mm)
HEIGHT (A)	4" (102mm)
LENGTH WITH MOUNT (L)	ARM Mounting Arm 27 1/2" (699mm)
	SLF Slipfitter 29 1/4" (743mm)
	PMA Pole Mount Arm 26 1/8" (644mm)
	YK Yoke 26 1/4" (667mm)
	BR Two-piece swivel bracket
	WM Wall Mount 23 1/4" (605mm)









PRODUCT SPECIFICATIONS

LUMEN OUTPUT	Up to 37,000 lms @ 5000K (see photometric chart for details)
LUMEN MAINTENANCE	(L70): >290,000 @ 25°C
COLOR TEMPERATURES	3000K, 4000K, 5000K
CRI	80CRI
OPTICS	Tempered Clear Flat or SoftLED Flat Glass, or Tempered Clear Flat Prismatic Glass Lens.
OPERATING TEMPERATURE	-40°C to +50°C (-40F to +122F)
POWER CONSUMPTION	99W: System 104.8w 111W: System 116.5w 133W: System 139.5w 136W: System 148.1w 167W: System 178.8w 183W: System 193.7w 199W: System 210.6w 225W: System 241.1w 256W: System 271.2w
DRIVERS	Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 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 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.

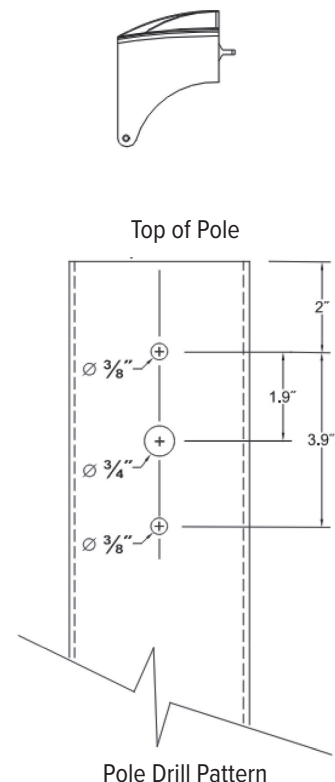
MOUNTING OPTIONS

		
PAF3 with Mounting Arm (ARM)	PAF3 with Pole Mounting Arm Adapter (MA)	PAF3 with "SF" External Mount Slipfitter (SF)
Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.	Die-Cast Adaptor for 2 3/8" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.	External Mount Die-Cast Adjustable Slipfitter for 2 3/8" Tenons, Bronze Powdercoat Finish, Includes Hardware.
		
PAF3 with Yoke (YK)	PAF3 with Two-Piece Swivel Bracket (BR)	PAF3 with Wall Mount (WM)
Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.	Wall Bracket, Heavy-Duty Stamped Steel, Bronze Powdercoat Finish, Includes Hardware.

EPA (EFFECTIVE PROJECTED AREA) Shown with Arm Mount.

Configuration	EPA (Sq. Ft.)	Weight (lbs.)
	1.00	33 lbs.
	2.00	66 lbs.
	1.36	66 lbs.
	2.00	99 lbs.
	2.20	99 lbs.
	2.20	132 lbs.

PAF3 Pole Drill Template : Not To Scale



PHOTOMETRIC PERFORMANCE

"Wattage (Catalog Logic)"		99W	111W	133W	136W	167W	183W	199W	225W	256W
Input Watts		104.8	116.5	139.5	148.1	178.8	193.7	210.6	241.1	271.2
Optic	CCT	Delivered Lumens								
T1 = Type I NEMA 7H x 5V (130°H x 70°V)	3000K	-	-	-	-	-	-	-	-	-
	4000K	12,831	14,386	17,237	20,197	21,644	23,717	25,791	32,734	33,178
	5000K	13,331	14,946	17,909	20,983	22,487	24,641	26,796	34,009	34,471
	BUG Rating	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3	B5-U0-G3	B5-U0-G3
T2 = Type II NEMA 7H x 6V (110°H x 30°V)	3000K	-	-	-	-	-	-	-	-	-
	4000K	12,240	13,724	16,444	19,267	20,648	22,626	24,604	31,228	31,651
	5000K	12,717	14,259	17,084	20,018	21,452	23,507	25,563	32,444	32,884
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
T3 = Type III NEMA 7H x 7V (120°H x 70°V)	3000K	12,922	14,489	17,360	20,341	21,798	23,887	25,975	32,968	33,416
	4000K	13,446	15,076	18,064	21,166	22,682	24,855	27,028	34,305	34,770
	5000K	13,970	15,664	18,768	21,990	23,566	25,824	28,082	35,641	36,125
	BUG Rating	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4
T4 = Type IV NEMA 7H x 6V (110°H x 50°V)	3000K	-	-	-	-	-	-	-	-	-
	4000K	13,629	15,282	18,312	21,455	22,992	23,545	25,604	34,775	32,937
	5000K	14,160	15,877	19,024	22,291	23,888	24,462	26,601	36,128	34,221
	BUG Rating	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B5-U0-G5
T5 = Type V NEMA 7H x 7V (115°H x 110°V)	3000K	12,327	13,821	16,560	19,403	20,793	22,785	24,778	31,448	31,875
	4000K	12,826	14,381	17,231	20,190	21,636	23,709	25,782	32,723	33,167
	5000K	13,326	14,941	17,903	20,976	22,479	24,633	26,787	33,998	34,459
	BUG Rating	B3-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2
NB = Narrow Beam NEMA 4H x 4V (30°H x 30°V)	3000K	-	-	-	-	-	-	-	-	-
	4000K	-	-	-	-	-	-	-	-	-
	5000K	14,320	16,059	19,238	-	24,160	26,475	28,791	-	37,035
	BUG Rating	N/A	N/A	N/A	-	N/A	N/A	N/A	-	N/A

PROJECTED LUMEN MAINTENANCE

Data shown for 5000 CCT				
TM-21-11	Initial	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	1.00	0.95	0.90	290,000
L70 Lumen Maintenance @ 50°C / 122°F	1.00	0.88	0.76	84,000
L80 Lumen Maintenance @ 40°C / 104°F	1.00	0.91	0.81	108,000

NOTES:

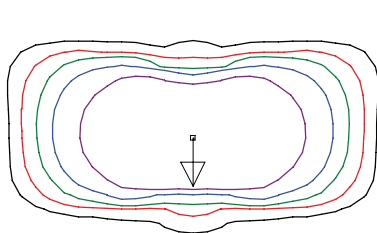
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

CONTROLS

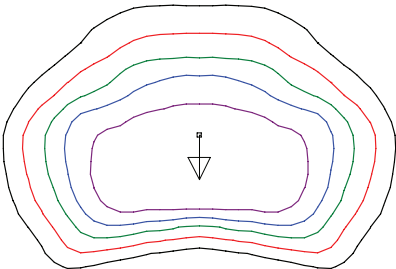
Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory.

PHOTOMETRIC DATA

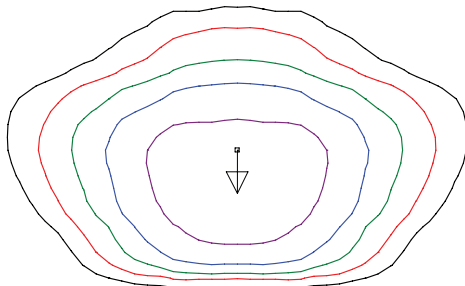
IES Roadway Distribution Optics



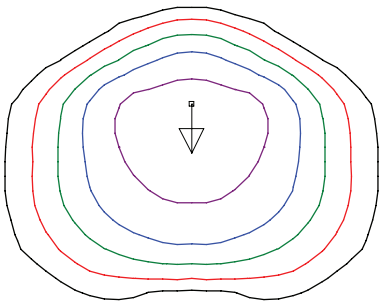
Type I



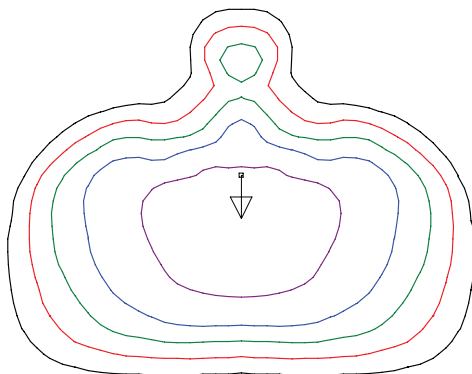
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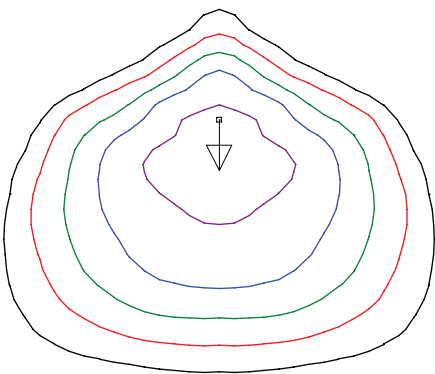
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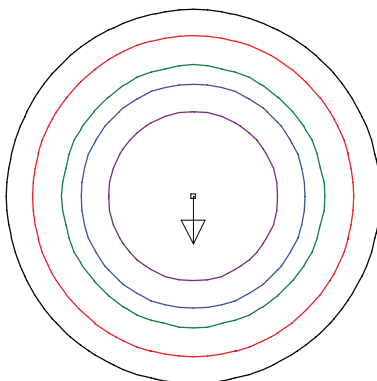
Type III - Visor



Type IV



Type IV - Visor



Type V