

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 ⁴ | 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 ³ | T5 Type V | S Soft-Diffused Lens ⁵ | 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 | | | | | | |
|---|------------------------|---|------------------------------|--|----------|--------|----------|--------|
| 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 | | | | |
| | CURRENT | 0.18 Amps @ 120 Volts 0.08 Amps @ 277 Volts | | 0.31 Amps @ 120 Volts 0.13 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 |
| | 3000K | LUMENS | 2659 | 2536 | N/A | 4266 | N/A | 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 |
| Values reflect delivered lumens at full output. | | | | | | | | |
| 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.

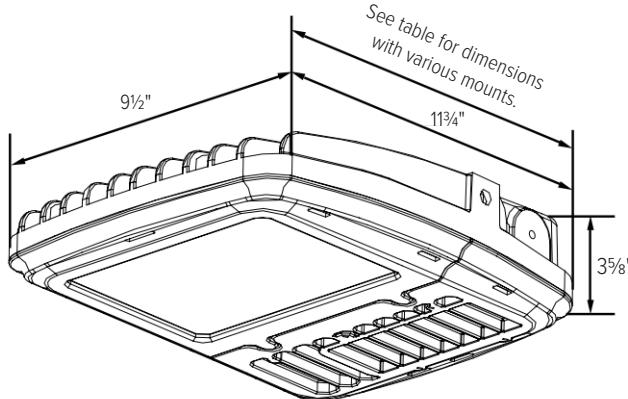
EFFECTIVE PROJECTED AREA

| 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



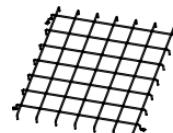
PAF1/2-WMADPT-BRZ



LCHSNG



PAF1-VISOR-BRZ



PAF1-WG-BRZ



PAF1-SB1SZ



PAF1-SB290SZ



PAF1-SB2180SZ



PAF1-SB390SZ



PAF1-SB3120SZ

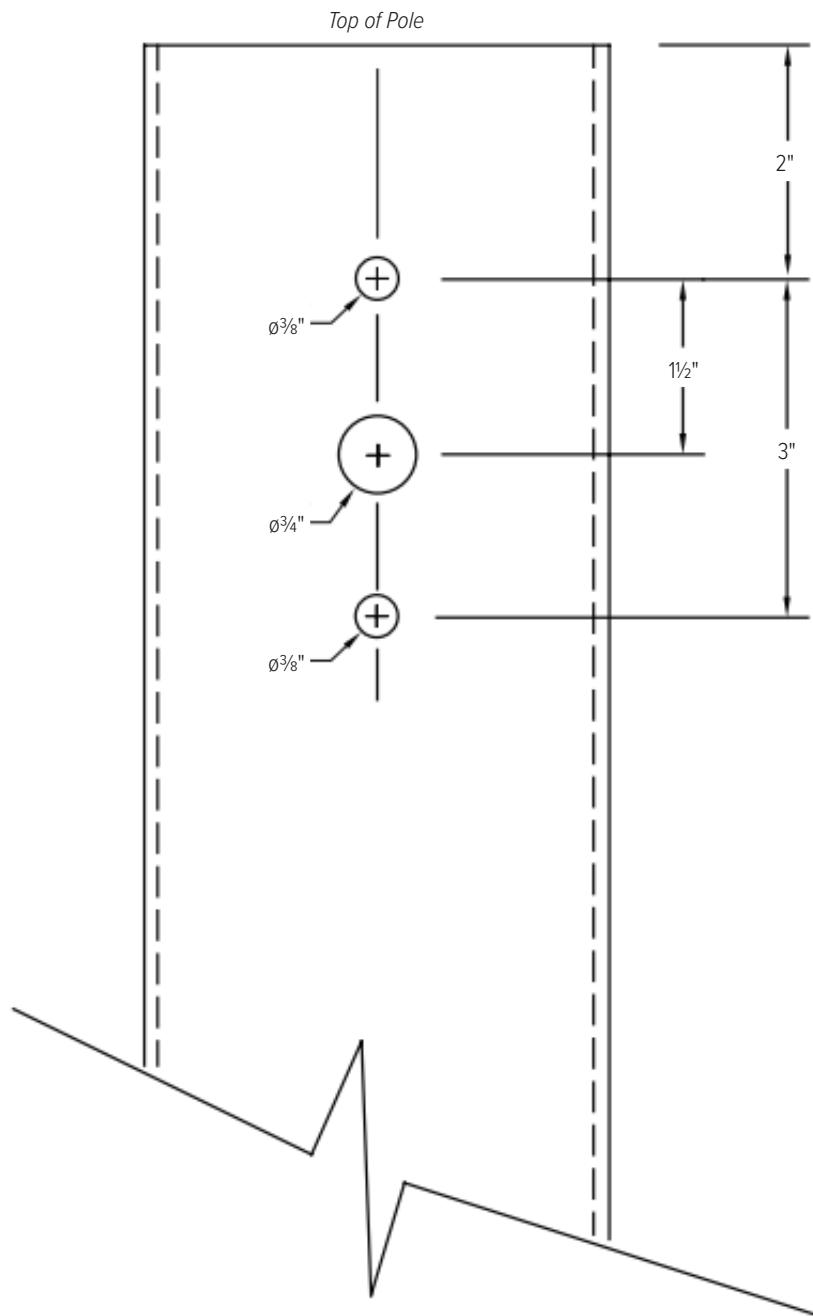


PAF1-SB490SZ

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

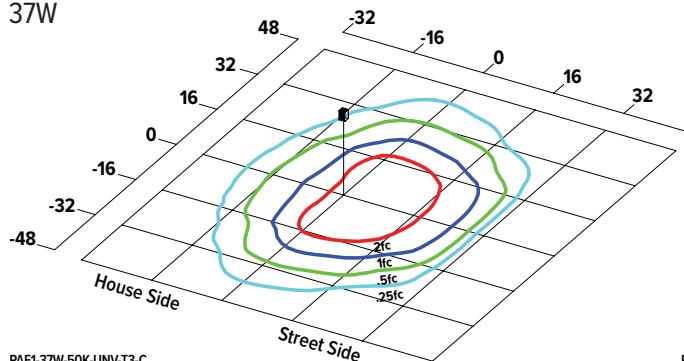
POLE DRILLING TEMPLATE

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

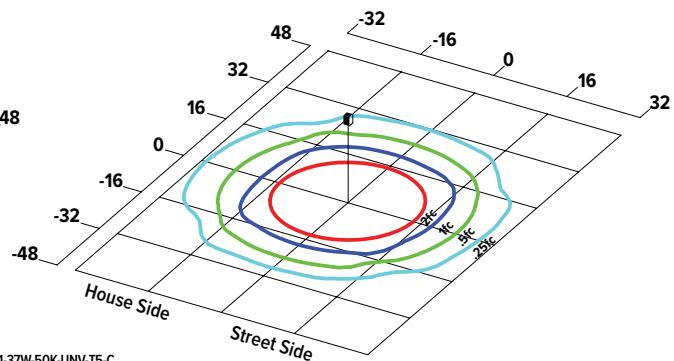


PHOTOMETRICS

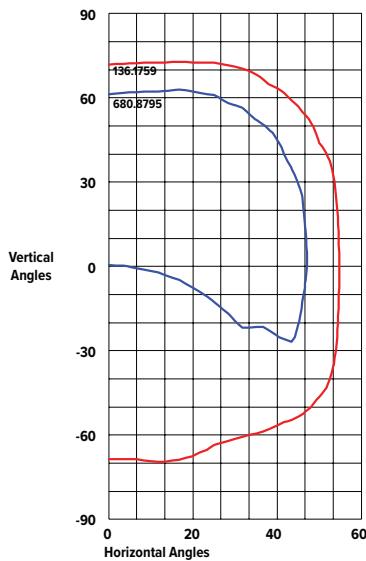
37W

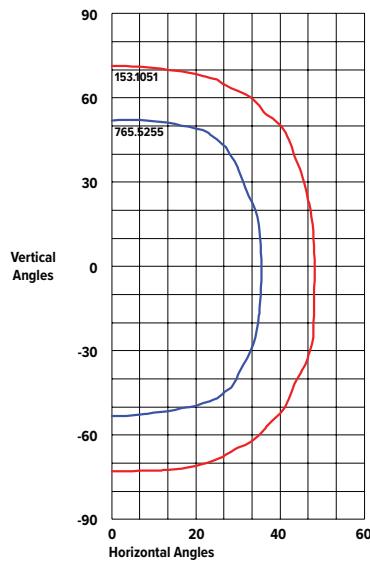


PAF1-37W-50K-UNV-T3-C

 Type III
 Grid in MH
 MH=16 Feet


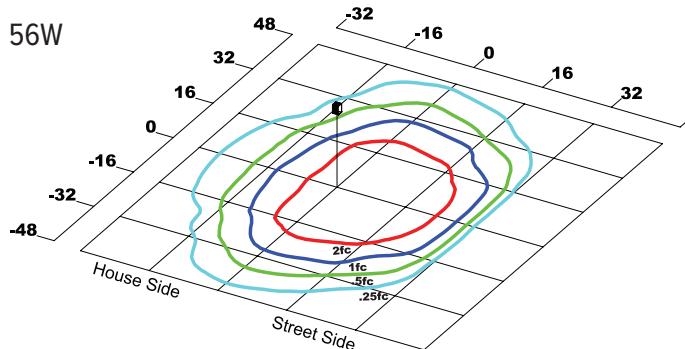
PAF1-37W-50K-UNV-T5-C

 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

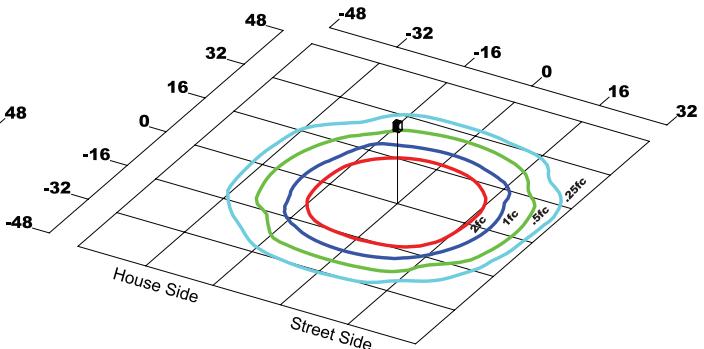
 PAF1-37W-50K-UNV-T3-C
 120°H x 70°V, NEMA 7H x 7V

 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

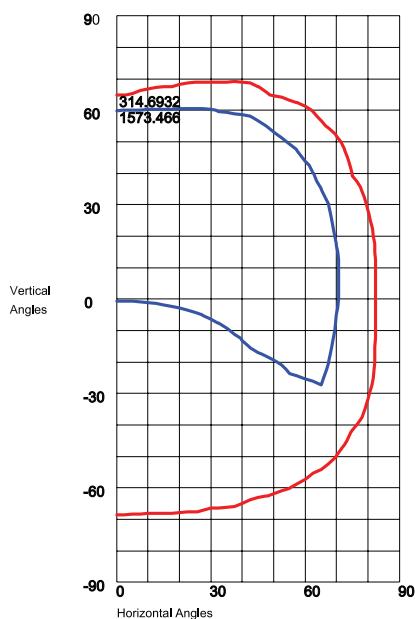
PHOTOMETRICS



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

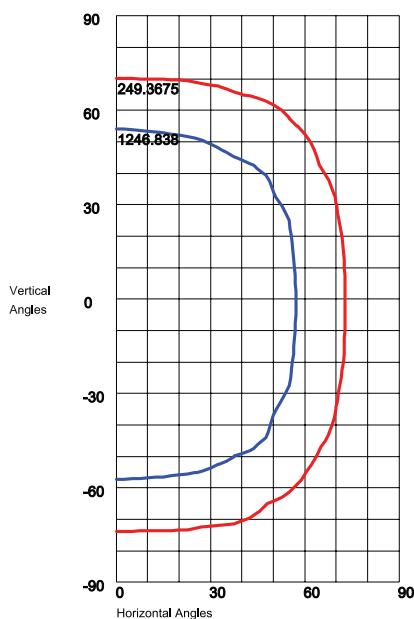


PAF1-56W-50K-UNV-T5-C
Type V
Grid in MH
MH=16 Feet



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