

Spec Grade
PROlite LED Lighting™

A Division of Emergensee® Lighting, Inc.



Job Name: _____

Type: _____

Part #: _____

Notes: _____

PAFR31Q & PAFR32Q

EasyLED Aeroform Round Post Tops



The LEPG PAFR31Q & PAFR32Q Aeroform Architectural Open Round Post Tops are available in Type II, III, IV or V distributions designed to replace HID lighting systems up to 400w MH or HPS. The fixture mounts to a pole top tenon. Typical area lighting applications include parking areas, walkways, and street lighting applications. Mounting heights of 12 to 30 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS & FEATURES:

Housing: Die Cast and Sand Cast Aluminum Housing, Integral Heat Sinking. Photocell Adaptable.

Listing & Ratings: CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP66 Sealed LED Compartment.

Finish: Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Lens: Clear Polycarbonate Vandal-Resistant Array Lens with Integral Optics. Gasketed to Seal LED Array

Mounting: Accommodates "P3" 2 7/8" O.D. x 3" Tenons

EasyLED LED: Aluminum Boards

Wattage:

37w Array: 37w, System: 41w; (70-150w HID Equivalent)
65w Array: 65.3w, System: 72w; (150-250w HID Equivalent)
100w Array: 100w, System: 111w; (150-250w HID Equivalent)
140w Array: 139.9w, System: 156w; (250-400w HID Equivalent)

Driver: 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.

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. Fixtures are Tested with LEPG Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

Warranty: 5-Year Warranty for -40°C to +50°C Environment

ORDERING INFORMATION:

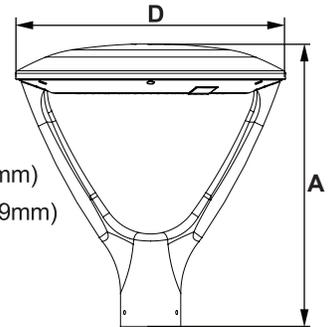
| Model | Optics | Wattage | Driver | CCT | Lens | Color | Options |
|--|--|--|--|---|--|--|---|
| PAFR31Q Aeroform Single Arm Open Round Post Top | B =Type II C =Type III D =Type IV F =Type V | 1X37 =37w 1X65 =65w 1X100 =100w 1X140 =140w | U =120-277V H =347-480V | 3K =3000K* 4K =4000K 5K =5000K | C =Clear Polycarbonate Array Lens | B =Black C =Custom (Consult Factory) | SF =Single Fuse (120-277V Only) DF =Double Fuse (120-277V Only) SP =Surge Protection R3 =3-Pin Twist Lock Photocell Receptacle R5 =5-Pin Twist Lock Photocell Receptacle R7 =7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle S2 =Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. (120-277V Only) S4 =Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'. (120-277V Only) |
| PAFR32Q Aeroform Dual Arm Open Round Post Top | | | | *37 and 65w Only | | | |



PAFR31Q
EasyLED Aeroform
Single Arm Open
Round Post Top

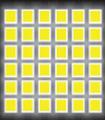


PAFR32Q
EasyLED Aeroform
Dual Arm Open
Round Post Top



Dimensions:

Diameter (D) 18" (457mm)
Height (A) 18 3/4" (479mm)



Job Name: _____

Type: _____

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Notes: _____

Accessories & Replacement Parts:



Accessories

(Order Separately, Field Installed)

| | |
|--------|---|
| P18131 | Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Dis-abling (Fixture Always Off). IP65, 480V Maximum. |
| P18132 | Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten. |
| P18140 | 110-120VAC Instant Twist Lock Photocell |
| P18150 | 120VAC Time Delay Twist Lock Photocell |
| P18152 | 277VAC Time Delay Twist Lock Photocell |
| P18156 | 120-277VAC Universal Twist Lock Photocell |
| P18157 | 480VAC Time Delay Twist Lock Photocell. For 480V use only. |

Replacement Parts

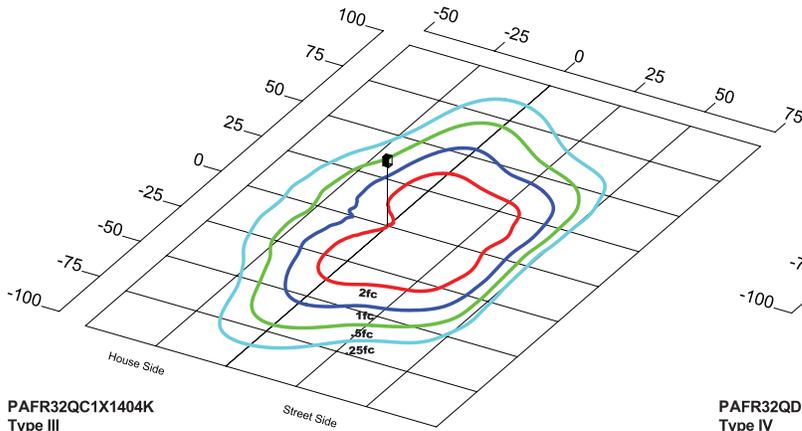
(Order Separately, Field Installed)

| | |
|--------|--|
| P17117 | Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz |
| P17123 | Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz |

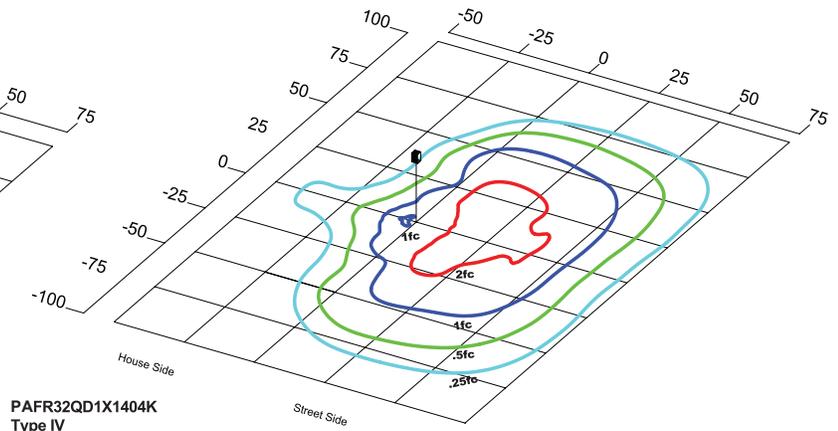
EPA (Effective Projected Area)

| Configuration | EPA (Sq. Ft.) | Weight (Lbs.) |
|---------------|---------------|---------------|
| | 1.00 | 29 Lbs |

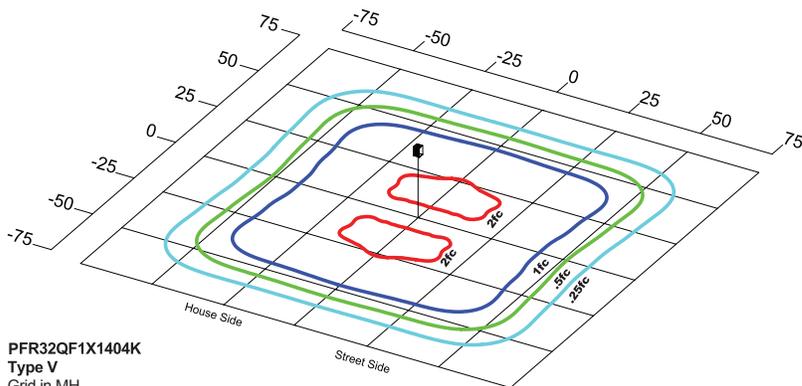
Photometric Data



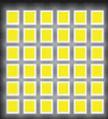
PAFR32QC1X1404K
Type III
Grid in MH
MH=25 Feet



PAFR32QD1X1404K
Type IV
Grid in MH
MH=25 Feet



PFR32QF1X1404K
Type V
Grid in MH
MH=25 Feet



Job Name: _____

Type: _____

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Notes: _____

Photometric Performance

| LED Board Watts | Drive Current (mA) | Input Watts | | Optics | AAFR31Q 4000 CCT 70 CRI | | | | | AAFR32Q 4000 CCT 70 CRI | | | | |
|-----------------|--------------------|-------------|---|----------------|-------------------------|-----|---|---|---|-------------------------|-----|---|---|---|
| | | | | | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G |
| EasyLED 37w | 525 | 42 | B | Type II Clear | 5,111 | 122 | 1 | 0 | 1 | 4,723 | 113 | 1 | 0 | 1 |
| | | | C | Type III Clear | 5,132 | 122 | 2 | 0 | 2 | 4,742 | 113 | 1 | 0 | 1 |
| | | | D | Type IV Clear | 4,682 | 112 | 1 | 0 | 2 | 4,516 | 108 | 1 | 0 | 2 |
| | | | F | Type V Clear | 5,135 | 122 | 3 | 0 | 1 | 4,745 | 113 | 3 | 0 | 1 |
| EasyLED 65w | | 74 | B | Type II Clear | 8,979 | 121 | 2 | 0 | 2 | 8,298 | 112 | 2 | 0 | 1 |
| | | | C | Type III Clear | 9,015 | 122 | 2 | 0 | 2 | 8,331 | 113 | 2 | 0 | 2 |
| | | | D | Type IV Clear | 8,226 | 111 | 2 | 0 | 3 | 7,933 | 107 | 2 | 0 | 3 |
| | | | F | Type V Clear | 9,021 | 122 | 3 | 0 | 2 | 8,336 | 113 | 3 | 0 | 2 |
| EasyLED 100w | | 114 | B | Type II Clear | 13,814 | 121 | 2 | 0 | 2 | 12,766 | 112 | 2 | 0 | 2 |
| | | | C | Type III Clear | 13,869 | 122 | 3 | 0 | 3 | 12,817 | 112 | 3 | 0 | 3 |
| | | | D | Type IV Clear | 12,656 | 111 | 2 | 0 | 3 | 11,881 | 104 | 2 | 0 | 3 |
| | | | F | Type V Clear | 13,878 | 122 | 4 | 0 | 2 | 12,826 | 113 | 4 | 0 | 2 |
| EasyLED 140w | | 159 | B | Type II Clear | 19,339 | 122 | 3 | 0 | 3 | 17,871 | 112 | 3 | 0 | 3 |
| | | | C | Type III Clear | 19,417 | 122 | 3 | 0 | 3 | 17,943 | 113 | 3 | 0 | 3 |
| | | | D | Type IV Clear | 17,717 | 111 | 3 | 0 | 4 | 16,392 | 103 | 3 | 0 | 3 |
| | | | F | Type V Clear | 19,430 | 122 | 4 | 0 | 2 | 17,955 | 113 | 4 | 0 | 2 |

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 159w | 1.00 | 0.98 | 0.95 | 0.91 | 327,000 |
| L70 Lumen Maintenance @ 50°C / 122°F | | 1.00 | 0.94 | 0.89 | 0.78 | 134,000 |
| L80 Lumen Maintenance @ 40°C / 104°F | | 1.00 | 0.96 | 0.93 | 0.86 | 141,000 |