PROlite LED Lighting™

JOB NAME: _____

TYPE: _____

PAT`_,A _____

NOTES: _____

# PAFR31Q & PAFR32Q

## EasyLED Aeroform Round Post Tops

The 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.



**PAFR31Q**
**EasyLED Aeroform**
**Single Arm Open**
**Round Post Top**



**PAFR32Q**
**EasyLED Aeroform**
**Dual Arm Open**
**Round Post Top**

**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.

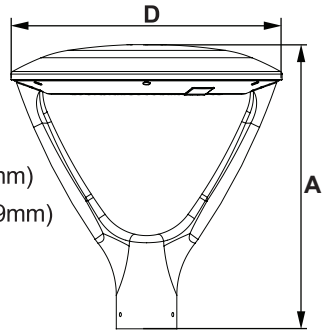
**Mounting:** Accommodates "P3" 2⅞" O.D. x 3" Tenons
EasyLED LED: Aluminum Boards

**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 specific Controls and May Not Function Properly With Controls Supplied By Others. Please confrim wwith your rep when selecting fixtures. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

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




**Dimensions:**

| | |
|---|---|
| **Diameter (D)** | 18″ (457mm) |
| **Height (A)** | 18¾″ (479mm) |

IP66

**ORDERING INFORMATION:**

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

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## Accessories & Replacement Parts:



P18131



P18132



P18140



P18150
P18152



P18156,
P18157



P17117



P17123

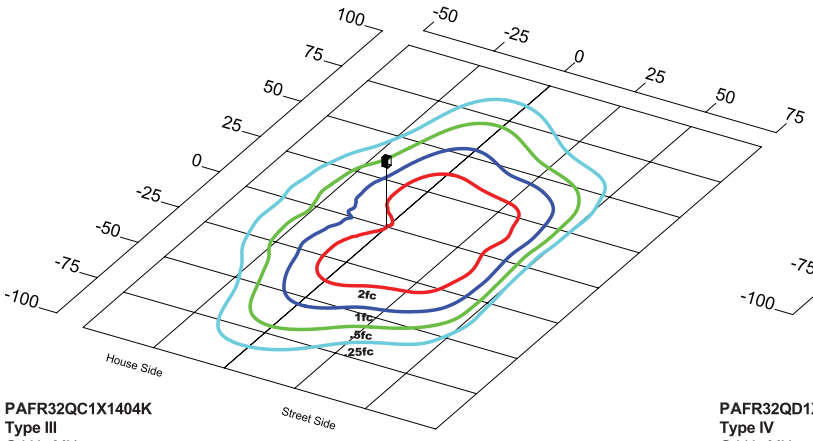
| Accessories (Order Separately, Field Installed) | |
|---|---|
| P18131 | Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Dis-abling (Fixture Always Off). IP65, 480V Maximum. |
| P18132 | Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture 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 |

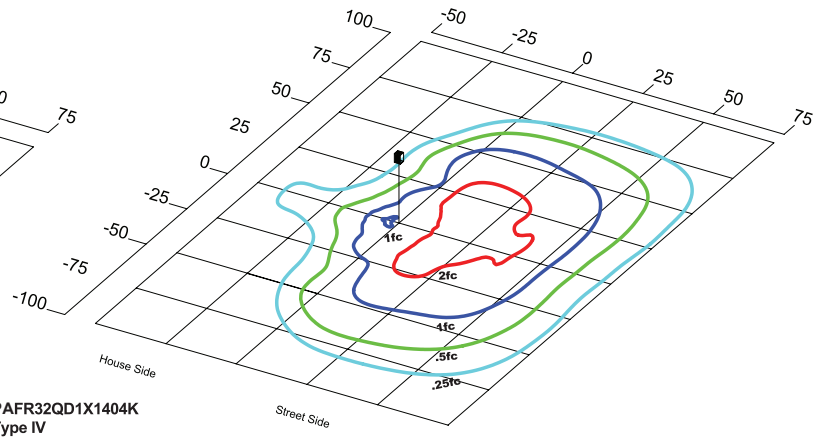
## EPA (Effective Projected Area)

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

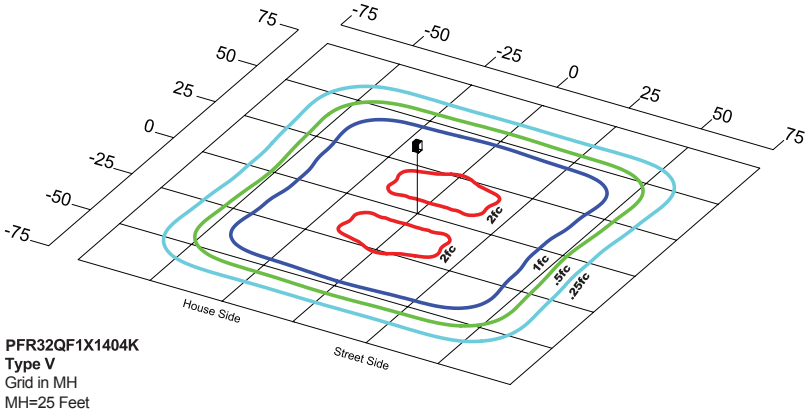
## Photometric Data




**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

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## Photometric Performance

| | | | | | AAFR31Q 4000 CCT 70 CRI | | | | | AAFR32Q 4000 CCT 70 CRI | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **LED Board Watts** | **Drive Current (mA)** | **Input Watts** | | **Optics** | **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 |

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