

# PF80Q DuraLED Sculptor Open Large Round Post Top



|                            |               |
|----------------------------|---------------|
| <b>Project Information</b> |               |
| Project Name:              | Fixture Type: |
| Complete Catalog #:        | Date:         |
| Comments:                  |               |

The DuraGuard PF80Q Sculptor Architectural Open Large Round Post Top is available in a Type V distribution with two lens options designed to replace HID lighting systems up to 1000w 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 AND FEATURES:**

**HOUSING:**

Die 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.

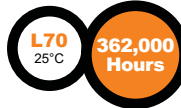
**LENS:**

Clear or LumaLens Opal Array Lens to Seal LED Array.

**MOUNTING OPTIONS:**

Accommodates "P3" 2 1/8" O.D. x 4" Tenons

**DURALED LED:**  
Aluminum Boards

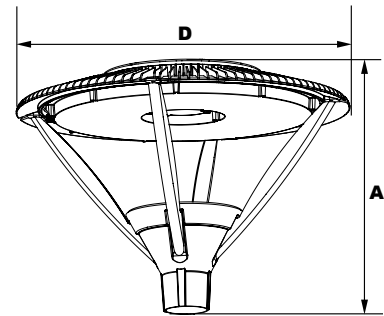


**WATTAGE:**  
Array: 176w, System Input: 190.2w (400-1000w HID Equivalent)

**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.

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

See Page 2 for Projected Lumen Maintenance Table.



| Dimensions          |                 |
|---------------------|-----------------|
| <b>Diameter (D)</b> | 26 3/4" (679mm) |
| <b>Height (A)</b>   | 19 7/8" (505mm) |

**DuraLED TECHNOLOGY**

Complete Units  
Ordering Information  
Example: PF80QF1X176U5KCBS

## PF80Q DuraLED Sculptor Open Large Round Post Top

| PF80Q   | F        | 1X176      |                          |                                  |   |                                       |  |
|---|----------|------------|--------------------------|----------------------------------|---|---------------------------------------|--|
| Model   | Optics   | Wattage    | Driver                   | CCT                              | Lens  | Color                                 | Options  |
| PF80Q= DuraLED Sculptor Open Large Round Post Top | F=Type V | 1X176=176w | U=120-277V<br>H=347-480V | 3K=3000K<br>4K=4000K<br>5K=5000K | C=Clear Array Lens<br>L=LumaLens<br>Opal Array Lens | B=Black<br>C=Custom (Consult Factory) | <p>SF=Single Fuse<br/>DF=Double Fuse<br/>SP=Surge Protection<br/>S2=Microwave Sensor for Mounting Heights of 12' and Above<br/>R3=3-Pin Twist Lock Photocell Receptacle<br/>R7=7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle</p> |



DesignLights Consortium™  
Qualified Luminaires:  
PF80QF1X176[U H]4K\*\*\*  
PF80QF1X176[U H]5K\*\*\*



Specifications subject to change without notice.



# PF80Q DuraLED Sculptor Open Large Round Post Top



| Accessories<br>(Order separately, Field installed) |  |
|--|--|
| P18140   | 110-120VAC Instant Twist Lock Photocell  |
| P18142   | 105-287VAC Instant Twist Lock Photocell  |
| P18150   | 120VAC Time Delay Twist Lock Photocell   |
| P18152   | 277VAC Time Delay Twist Lock Photocell   |
| P18131   | Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum. |
| P18132   | Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten.                                  |

Sensors Not available for 480V.

## PHOTOMETRIC PERFORMANCE

| LED Board Watts | Drive Current (mA) | Input Watts | Optics       | 5000 CCT 80 CRI |     |   |   |   | 4000 CCT 80 CRI |     |   |   |   |
|-----------------|--------------------|-------------|--------------|-----------------|-----|---|---|---|-----------------|-----|---|---|---|
|                 |                    |             |              | Lumens          | LPW | B | U | G | Lumens          | LPW | B | U | G |
| DuraLED 176w    | 525                | 190         | Type V Clear | 19,174          | 101 | 3 | 2 | 2 | 18,818          | 99  | 4 | 2 | 2 |
|                 |                    |             | Type V Opal  | 16,394          | 86  | 3 | 2 | 2 | 16,089          | 85  | 3 | 2 | 2 |

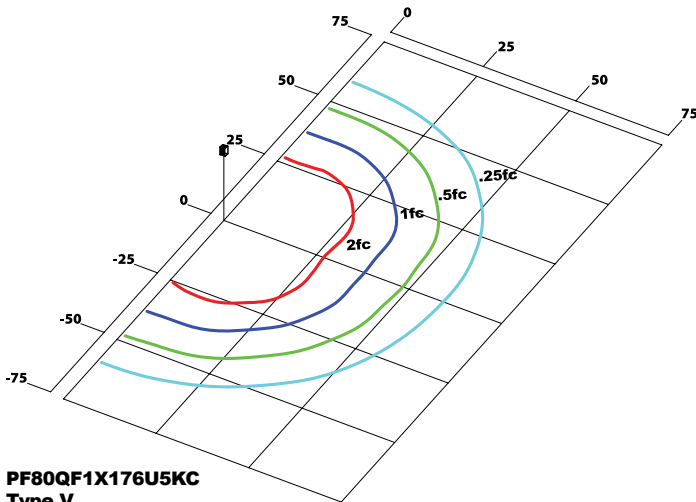
## PROJECTED LUMEN MAINTENANCE

| Data shown for 5000 CCT              |             | Compare to MH |            |            |             |                      |  |
|--------------------------------------|-------------|---------------|------------|------------|-------------|----------------------|--|
| TM-21-11                             | Input Watts | Initial       | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 25°C |  |
| L70 Lumen Maintenance @ 25°C / 77°F  | 190         | 1.00          | 0.98       | 0.96       | 0.92        | 362,000              |  |
| TM-21-11                             | Input Watts | Initial       | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 50°C |  |
| L70 Lumen Maintenance @ 50°C / 122°F | 190         | 1.00          | 0.96       | 0.92       | 0.84        | 183,000              |  |
| TM-21-11                             | Input Watts | Initial       | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L80@ 40°C |  |
| L80 Lumen Maintenance @ 40°C / 104°F | 190         | 1.00          | 0.97       | 0.94       | 0.88        | 167,000              |  |

**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.

## PHOTOMETRIC DATA



**PF80QF1X176U5KC**  
Type V  
Grid in MH  
MH=25 Feet

## EPA (EFFECTIVE PROJECTED AREA)

| EPA (Sq. Ft.) | Weight (Lbs.) |
|---------------|---------------|
| 1.80          | 32 Lbs        |