

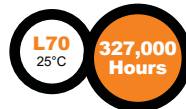
# AFR30Q DuraLED Sculptor II Round Pole/Wall Mount



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

The DuraGuard AFR30Q Sculptor II Architectural Round Pole or Wall Mount is available in Type II, III, IV or V distributions designed to replace HID lighting systems up to 400w MH or HPS. 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 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 or Bronze 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:

Mounts to Square Poles or Walls with Included Arm.

### DURALED 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.

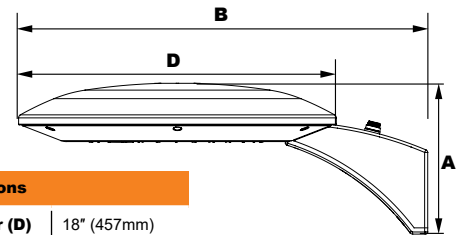
### CONTROLS:

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 DuraGuard 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.

See Page 3 for Projected Lumen Maintenance Table.



### Dimensions

<b>Diameter (D)</b>	18" (457mm)
<b>Height (A)</b>	8½" (217mm)
<b>Length (B)</b>	23¼" (589mm)

## DuraLED TECHNOLOGY

Complete Units  
 Ordering Information  
 Example: AFR30QF1X140U5KCBSP

# AFR30Q DuraLED Sculptor II Round Pole/Wall Mount

AFR30Q				C			
Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
	<b>B</b> =Type II <b>C</b> =Type III <b>D</b> =Type IV <b>F</b> =Type V	<b>1X37</b> =37w <b>1X65</b> =65w <b>1X100</b> =100w <b>1X140</b> =140w	<b>U</b> =120-277V <b>H</b> =347-480V	<b>3K</b> =3000K* <b>4K</b> =4000K <b>5K</b> =5000K	<b>C</b> =Clear Polycarbonate Array Lens	<b>Z</b> =Bronze <b>B</b> =Black <b>C</b> =Custom (Consult Factory)	
<b>AFR30Q</b> =DuraLED Sculptor II Round Pole/Wall Mount				*37 and 65w Only			

- SF**=Single Fuse
- DF**=Double Fuse
- SP**=Surge Protection
- S2**=Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. (120-277V Only)
- 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



# AFR30Q DuraLED Sculptor II Round Pole/Wall Mount



## ACCESSORIES & REPLACEMENT PARTS:



Mounting Accessories (Order Separately, Field Installed)	
KH20RP*	Die-Cast Adaptor for 3" to 4" Round Poles, Powdercoat Finish.
*Specify Color: B=Black, Z=Bronze, C=Custom (Consult Factory)	

Accessories (Order Separately, Field Installed)	
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.
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
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

## EPA (EFFECTIVE PROJECTED AREA) SHOWN WITH MOUNTING ARM

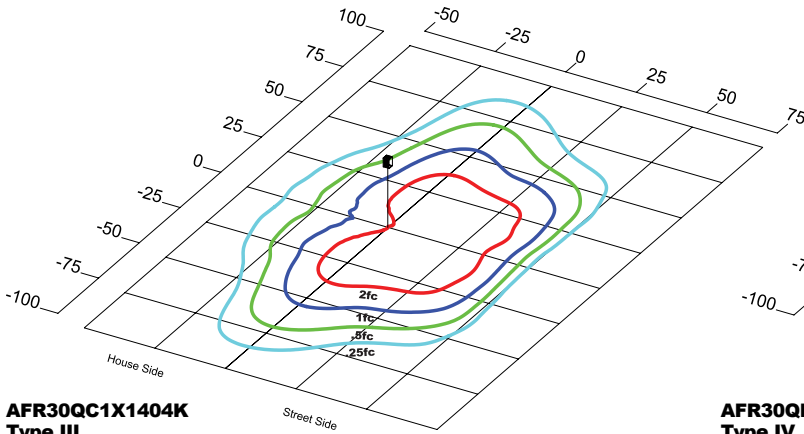
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
1	1.00	21 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
2@180° Mount	2.00	42 Lbs
2@90° Mount	1.36	42 Lbs

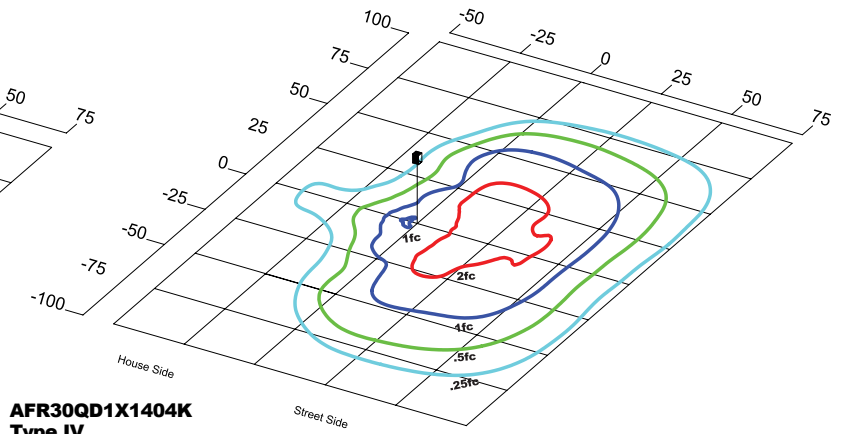
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
3@90° Mount	2.20	63 Lbs
3@120° Mount	2.00	63 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
4@90° Mount	2.20	84 Lbs

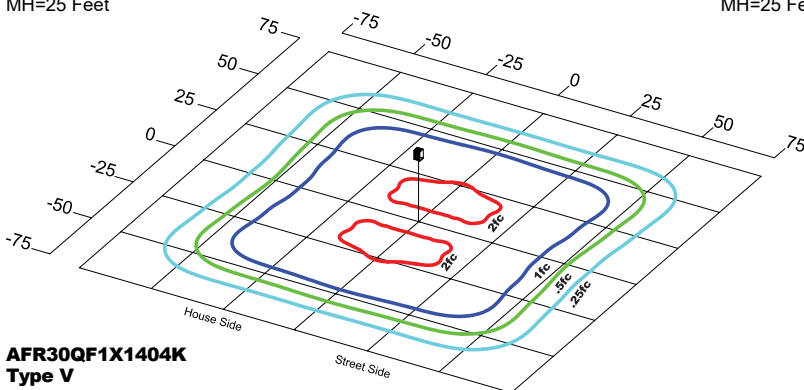
## PHOTOMETRIC DATA



**AFR30QC1X1404K**  
Type III  
Grid in MH  
MH=25 Feet



**AFR30QD1X1404K**  
Type IV  
Grid in MH  
MH=25 Feet



**AFR30QF1X1404K**  
Type V  
Grid in MH  
MH=25 Feet

Specifications subject to change without notice.

# AFR30Q DuraLED Sculptor II Round Pole/Wall Mount



## PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics	4000 CCT 70 CRI					
				Lumens	LPW	B	U	G	
DuraLED 37w	525	42	B Type II Clear	5,469	130	1	0	1	
			C Type III Clear	5,491	131	2	0	2	
			D Type IV Clear	5,010	119	1	0	2	
			F Type V Clear	5,495	131	3	0	1	
DuraLED 65w		74	B Type II Clear	9,608	130	2	0	2	
			C Type III Clear	9,646	130	3	0	3	
			D Type IV Clear	8,803	119	2	0	3	
			F Type V Clear	9,653	130	3	0	2	
DuraLED 100w		114	B Type II Clear	14,782	130	2	0	2	
			C Type III Clear	14,842	130	3	0	3	
			D Type IV Clear	13,543	119	3	0	3	
			F Type V Clear	14,851	130	4	0	2	
DuraLED 140w		159	B Type II Clear	20,694	130	3	0	3	
			C Type III Clear	20,777	131	3	0	3	
			D Type IV Clear	18,959	119	3	0	4	
			F Type V Clear	20,791	131	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 L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	74	1.00	0.98	0.97	0.94	473,000
L70 Lumen Maintenance @ 25°C / 77°F	114	1.00	0.98	0.96	0.92	393,000
L70 Lumen Maintenance @ 25°C / 77°F	159	1.00	0.98	0.95	0.91	327,000

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	74	1.00	0.97	0.93	0.87	226,000
L70 Lumen Maintenance @ 50°C / 122°F	114	1.00	0.96	0.92	0.83	180,000
L70 Lumen Maintenance @ 50°C / 122°F	159	1.00	0.94	0.89	0.78	134,000

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	74	1.00	0.98	0.97	0.93	290,000
L80 Lumen Maintenance @ 40°C / 104°F	114	1.00	0.98	0.95	0.91	219,000
L80 Lumen Maintenance @ 40°C / 104°F	159	1.00	0.96	0.93	0.86	141,000

**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.