

AFR30Q DuraLED Sculptor II Round Pole/Wall Mount



Project Name:	Project Information	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 UV-Stabilized Polycarbonate Vandal-Resistant Array Lens with Integral Optics or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens. Gasketed to Seal LED Array.

MOUNTING:

Mounts to Square Poles or Walls with Standard Arm, or to Round Poles Using the KH20RP Adaptor (Sold Separately). Mounts to 2 3/8" Horizontal Mounting Arms with Optional MA Mounting Arm Adaptor.

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.

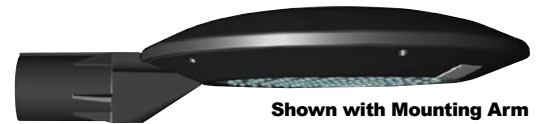
WARRANTY:

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

See Page 4 for Projected Lumen Maintenance Table.



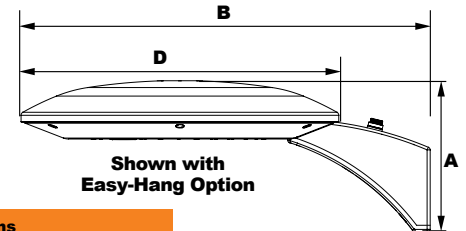
Shown with Pole/Wall Arm (Standard)



Shown with Mounting Arm Adaptor



Shown with LumaLens Option



Shown with Easy-Hang Option

Dimensions

Diameter (D)	18" (457mm)
Height (A)	8 1/2" (217mm)
Length (B)	23 3/4" (589mm)

DuraLED TECHNOLOGY

Complete Units
Ordering Information
Example: AFR30QF1X140U5KCBSP

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AFR30Q

Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
	A =Type I 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 *37 and 65w Only		Z =Bronze B =Black C =Custom (Consult Factory)	(Leave Blank) = Pole/Wall Arm MA =Mounting Arm Adaptor	

AFR30Q=DuraLED Sculptor II Round Pole/Wall Mount

C=Clear UV-Stabilized Polycarbonate Array Lens
L=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Lens*

*Type V Models Only

- SF**=Single Fuse*
- DF**=Double Fuse*
- 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'.*
- S4**=Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'.*
- BU**=Battery Backup, 90 Minutes (Up to 65w Max)*
- BUC**=Cold Start Battery Backup, -20°C, 90 Minutes (Up to 65w Max)*

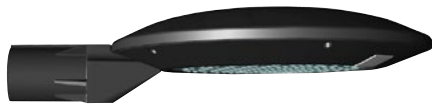
*120-277V Models Only.



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ADDITIONAL MOUNTING OPTIONS



AFR30 with Mounting Arm Adaptor (MA)
Die-Cast Adaptor for 2 1/4" Horizontal Mounting Arms, Powdercoat Finish, Includes Hardware.

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)



KH20RP

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.

AF31HS* Stamped Aluminum House Side Shield, Powdercoat Finish. Use for AFR30 models.

*Specify Color: B=Black, C=Custom (Consult Factory)



P18131



P18132



**P18140,
P18142**



**P18150
P18152**



**P18156,
P18157**



AF31HS*

*Shown Mounted

Replacement Parts (Order Separately, Field Installed)

AF30PCLL SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens

AF30MAB* Pole Mounting Arm Adaptor Bracket, fits ALMAA Adaptor, Includes Hardware, Powdercoat Finish, Requires ALMAA Pole Mounting Arm Adaptor (Sold Separately)

ALMAA Pole Mounting Arm Adaptor, Fits 2 1/4" Arm, Includes Hardware, Powdercoat Finish, Requires AF30MAB Bracket (Sold Separately)

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

*Specify Color: B=Black, Z=Bronze, C=Custom (Consult Factory)

Specify Color: Z=Bronze, C=Custom (Consult Factory)

For Replacement Battery Backup, see the DuraGuard LED Battery Backup Specification Sheet.



AF30PCLL






P17117






P17123

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

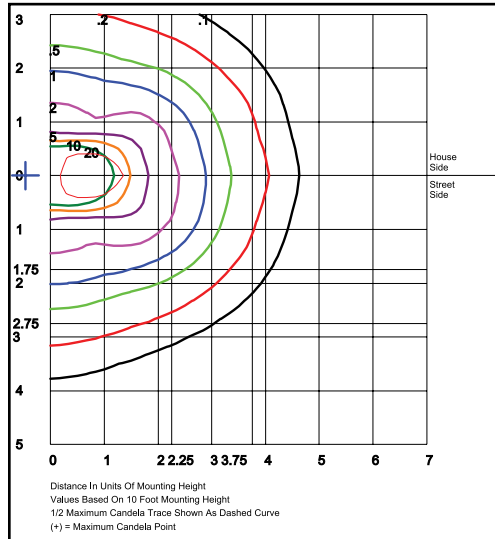
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 3@90° Mount	2.20	63 Lbs
 3@120° Mount	2.00	63 Lbs

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

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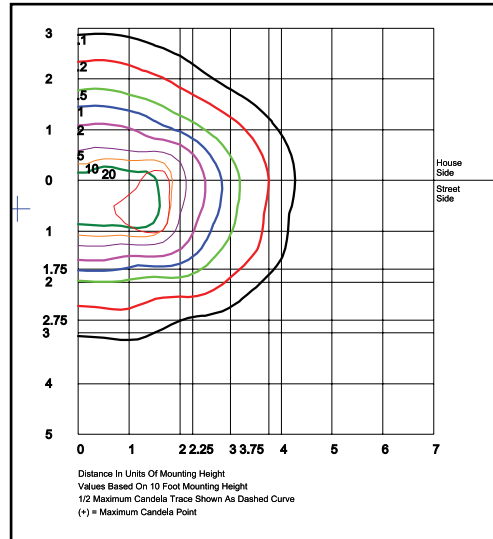


PHOTOMETRIC DATA



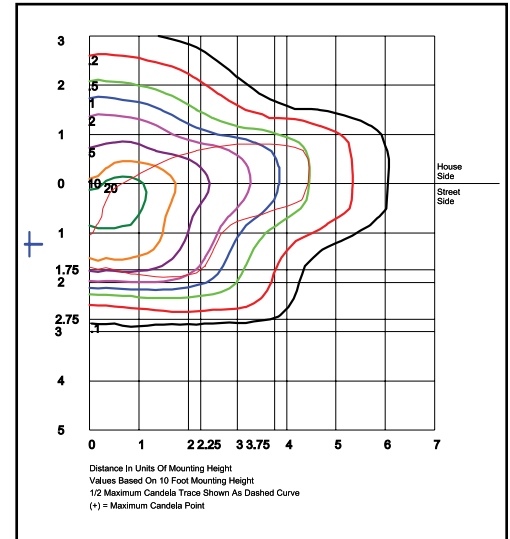
AFR30QA1X1405K
Type I

Grid in MH
MH=10 Feet



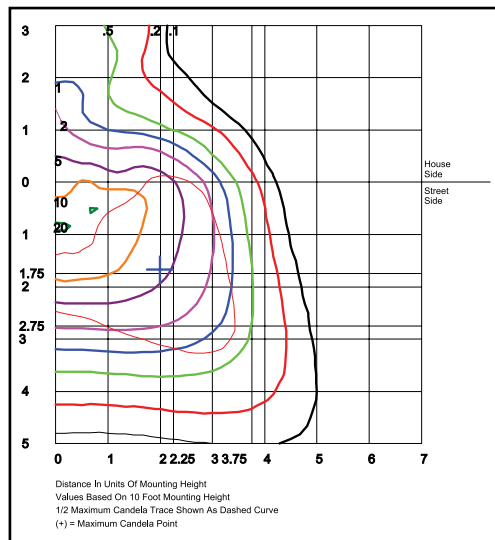
AFR30QB1X1405K
Type II

Grid in MH
MH=10 Feet



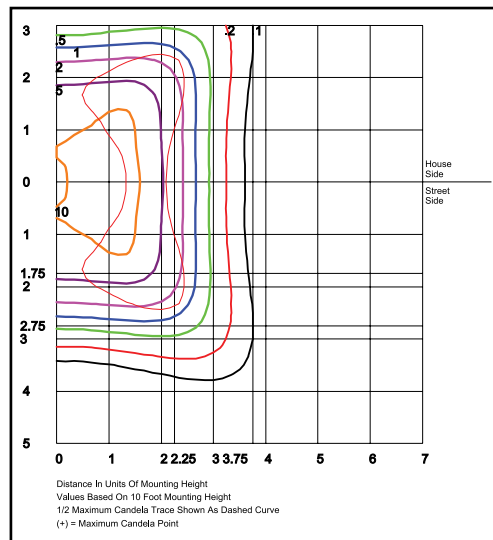
AFR30QC1X1405K
Type III

Grid in MH
MH=10 Feet



AFR30QD1X1405K
Type IV

Grid in MH
MH=10 Feet



AFR30QF1X1405K
Type V

Grid in MH
MH=10 Feet

AFR30Q DuraLED Sculptor II Round Pole/Wall Mount**DuraGuard**
PRODUCTS INC.
A QSSI Company**PHOTOMETRIC PERFORMANCE**

Optic	CCT	Wattage (Catalog Logic)	37W (1X37)	65W (1X65)	100W (1X100)	140W (1X140)
		Input Watts	42.2	74.1	114	159.6
		Delivered Lumens				
AFR30 A = Type I	3000K	5,235	8,538	13,136	18,390	
	4000K	5,446	8,884	13,668	19,136	
	5000K	5,658	9,230	14,201	19,882	
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B4-U0-G3	
AFR30 B = Type II	3000K	5,256	9,234	14,205	19,888	
	4000K	5,469	9,608	14,782	20,694	
	5000K	5,682	9,982	15,357	21,500	
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	
AFR30 C = Type III	3000K	5,277	9,271	14,263	19,968	
	4000K	5,491	9,646	14,842	20,777	
	5000K	5,705	10,022	15,419	21,586	
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	
AFR30 D = Type IV	3000K	4,815	8,459	13,015	18,219	
	4000K	5,010	8,803	13,543	18,959	
	5000K	5,206	9,145	14,069	19,697	
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	
AFR30 F = Type V	3000K	5,280	9,277	14,272	19,981	
	4000K	5,495	9,653	14,851	20,791	
	5000K	5,709	10,029	15,429	21,600	
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G3	

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 @ 50°C / 122°F	All wattages up to and including 159w	1.00	0.94	0.89	0.78	134,000
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

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.