LEDALUX®

AFR31Q & AFR32Q - Aeroform Round Post Tops

EZ SPEC

CATALOG NUMBER:

NOTES:

FIXTURE TYPE:

PROJECT:

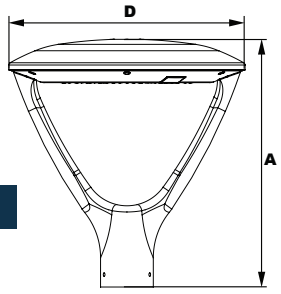
L70 25°C **327,000 Hours**

BUY AMERICAN ACT COMPLIANT

AFR31Q
EasyLED Aeroform
Single Arm Open
Round Post Top

AFR32Q
EasyLED Aeroform
Dual Arm Open Round
Post Top

Shown with LumaLens Option



Dimensions

Diameter (D)	18" (457mm)
Height (A)	18¾" (479mm)

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 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:
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.
See Page 4 for Projected Lumen Maintenance Table.

PRODUCT DESCRIPTION

The AFR31Q & AFR32Q 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.

ORDERING INFORMATION

EXAMPLE: AFR32Q-F-1X140-U-5K-C-B-SP

LED Eco-Smart

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
AFR31Q = EasyLED Aeroform Single Arm Open Round Post Top **AFR32Q** = EasyLED Aeroform Dual Arm Open Round Post Top	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	C=Clear UV-Stabilized Polycarbonate Array Lens L=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Lens **Type V Models Only	B=Black C=Custom (Consult Factory)	P2AB =PSRTN Tenon Adaptor, Black P2AC =PSRTN Tenon Adaptor, Custom Color (Consult Factory) 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.

ACCESSORIES & REPLACEMENT PARTS

Mounting Accessories (Order Separately, Field Installed)	
PSRTN*	Retrofit Tenon Adaptor, Die Cast with Powdercoat Finish, Hardware Included. Converts a 2⅜″ x 4" Pole Tenon to a 2⅞″ x 3" Tenon.
*Specify Color: B=Black, C=Custom (Consult Factory)	

PSRTN

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
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 AFR31Q models.
AF32HS*	Stamped Aluminum House Side Shield, Powdercoat Finish. Use for AFR32Q models
*Specify Color: B=Black, C=Custom (Consult Factory)	

P18131

P18132

P18140

P18152

P18156
P18157

AF31HS*

AF32HS*

***Shown Mounted**

Replacement Parts (Order Separately, Field Installed)	
AF30PCLL	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens
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
For Replacement Battery Backup, see the LEPG LED Battery Backup Specification Sheet.	

AF30PCLL

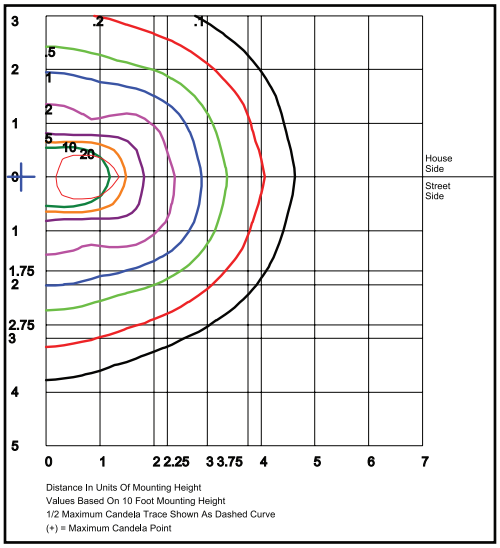
P17117

P17123

EPA (EFFECTIVE PROJECTED AREA)

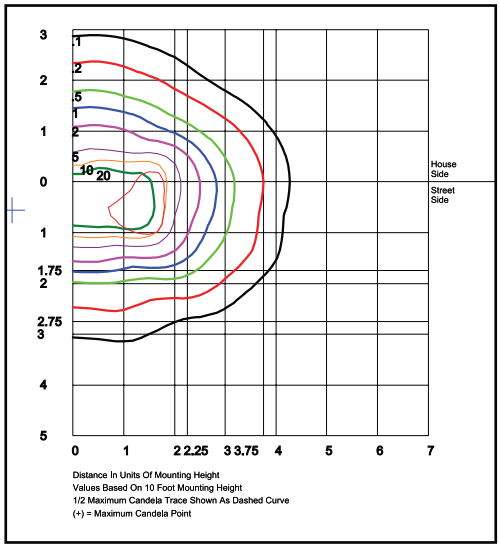
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
	1.00	29 Lbs

PHOTOMETRIC DATA



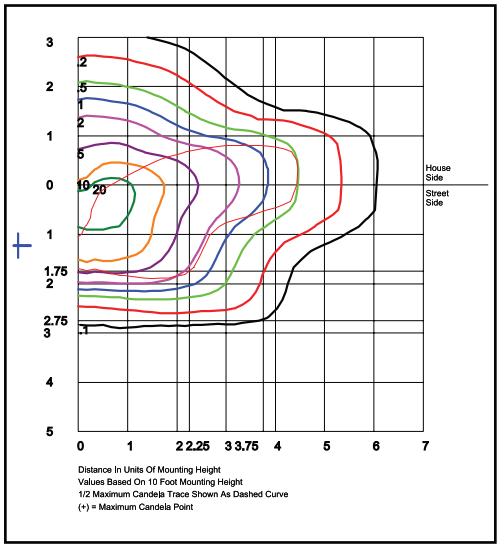
AFR32QA1X1405K
Type I

Grid in MH
MH=10 Feet



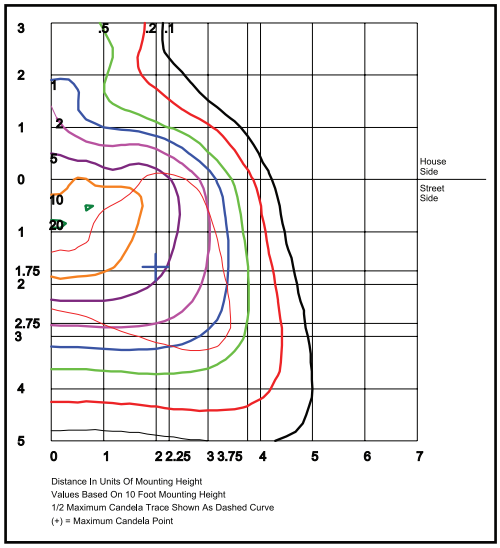
AFR32QB1X1405K
Type II

Grid in MH
MH=10 Feet



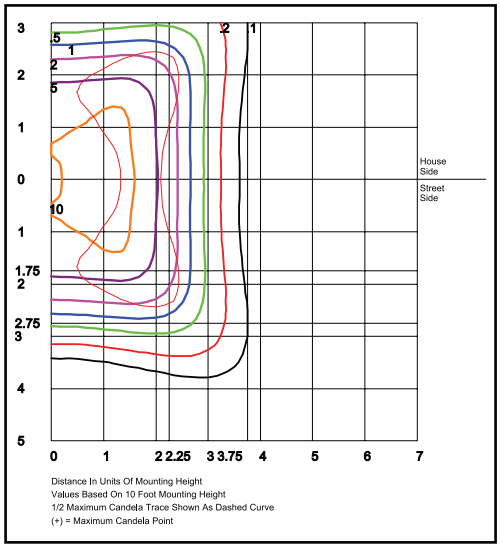
AFR32QC1X1405K
Type III

Grid in MH
MH=10 Feet



AFR32QD1X1405K
Type IV

Grid in MH
MH=10 Feet



AFR32QF1X1405K
Type V

Grid in MH
MH=10 Feet

PHOTOMETRIC PERFORMANCE

	Wattage (Catalog Logic)	37W (1X37)	65W (1X65)	100W (1X100)	140W (1X140)
	Input Watts	42.2	74.1	114	159.6
Optic	CCT	Delivered Lumens			
AFR31 A = Type I	3000K	4,891	7,979	12,276	17,187
	4000K	5,100	8,302	12,774	17,883
	5000K	5,288	8,626	13,272	18,580
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B4-U0-G3
AFR31 B = Type II	3000K	4,912	8,629	13,275	18,585
	4000K	5,111	8,979	13,814	19,339
	5000K	5,310	9,328	14,352	20,092
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3
AFR31 C = Type III	3000K	4,932	8,663	13,329	18,660
	4000K	5,132	9,015	13,869	19,417
	5000K	5,331	9,366	14,409	20,173
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
AFR31 D = Type IV	3000K	4,500	7,905	12,162	17,026
	4000K	4,682	8,226	12,656	17,717
	5000K	4,865	8,546	13,148	18,407
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4
AFR31 F = Type V	3000K	4,935	8,669	13,337	18,672
	4000K	5,135	9,021	13,878	19,430
	5000K	5,334	9,372	14,419	20,186
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2

	Wattage (Catalog Logic)	37W (1X37)	65W (1X65)	100W (1X100)	140W (1X140)
	Input Watts	42.2	74.1	114	159.6
Optic	CCT	Delivered Lumens			
AFR32 A = Type I	3000K	4,520	7,375	11,345	15,882
	4000K	4,704	7,673	11,804	16,526
	5000K	4,887	7,972	12,264	17,170
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B4-U0-G3
AFR32 B = Type II	3000K	4,539	7,974	12,268	17,174
	4000K	4,723	8,298	12,766	17,871
	5000K	4,907	8,620	13,262	18,567
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B3-U0-G3
AFR32 C = Type III	3000K	4,557	8,006	12,317	17,243
	4000K	4,742	8,331	12,817	17,943
	5000K	4,927	8,655	13,315	18,641
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
AFR32 D = Type IV	3000K	4,340	7,624	11,418	15,753
	4000K	4,516	7,933	11,881	16,392
	5000K	4,692	8,242	12,343	17,030
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4
AFR32 F = Type V	3000K	4,560	8,011	12,325	17,255
	4000K	4,745	8,336	12,826	17,955
	5000K	4,930	8,661	13,324	18,653
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2

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

NOTES:
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 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.