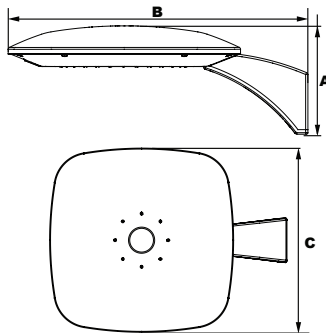
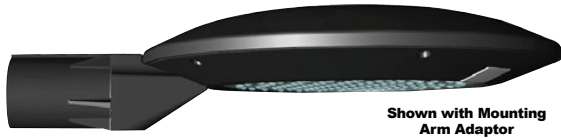
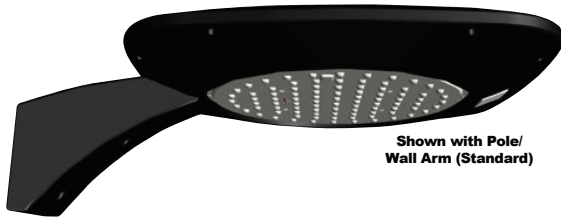


**L70**  
25°C **327,000 Hours**



### Dimensions

<b>Height (A)</b>	8 5/8" (213mm)
<b>Length (B)</b>	23 3/4" (589mm)
<b>Width (C)</b>	18" (457mm)

### PRODUCT DESCRIPTION

The AFS30Q Aeroform Architectural Square 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.

### 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.

**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 LEPC 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.

### ORDERING INFORMATION

EXAMPLE: AFS30Q-F-1X140-U-5K-C-B-SP



Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
AFS30Q= EasyLED Aeroform Square Pole/Wall Mount	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	Z=Bronze B=Black C=Custom (Consult Factory)	(Leave Blank) = Pole/Wall Arm MA=Mounting Arm Adaptor	SF=Single Fuse (120-277V Only) DF=Double Fuse (120-277V Only) 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'. (120-277V Only) S4=Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'. (120-277V Only) BU=Battery Backup, 90 Minutes (Up to 65w Max) BUC=Cold Start Battery Backup, -20°C, 90 Minutes (Up to 65w Max) (120-277V Only)

### 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
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 AFS30Q models.

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



\*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 2½" 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

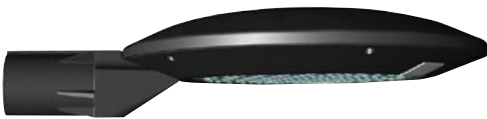
\*Specify Color: B=Black, Z=Bronze, C=Custom (Consult Factory)

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

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



### MOUNTING OPTIONS



#### AFS30 with Mounting Arm Adaptor (MA)

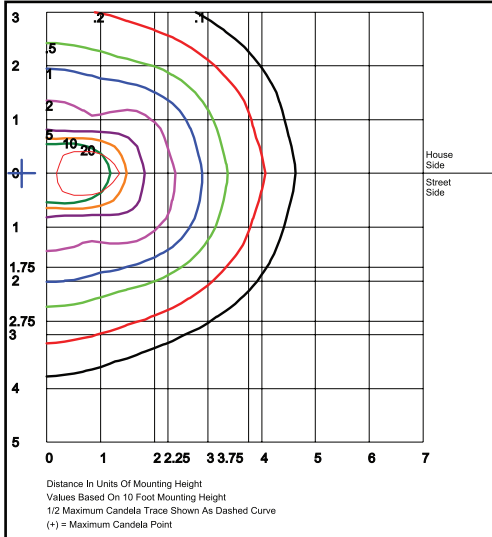
Die-Cast Adaptor for 2½" Horizontal Mounting Arms, Powdercoat Finish, Includes Hardware.

### EPA (EFFECTIVE PROJECTED AREA)

Shown with Mounting Arm.

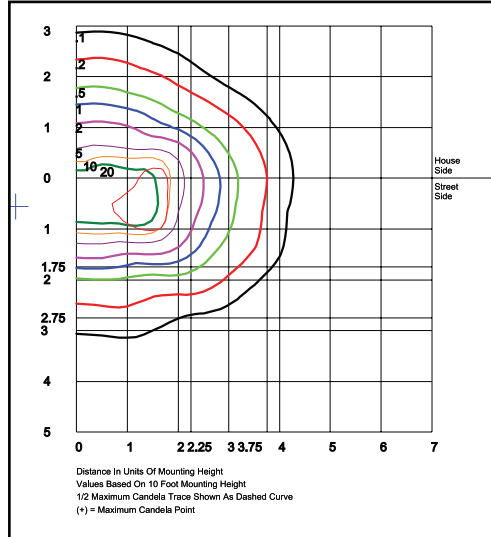
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
1	1.00	21 Lbs	2@180° Mount	2.00	42 Lbs	3@90° Mount	2.20	63 Lbs	4@90° Mount	2.20	84 Lbs
			2@90° Mount	1.36	42 Lbs	3@120° Mount	2.00	63 Lbs			

PHOTOMETRIC DATA



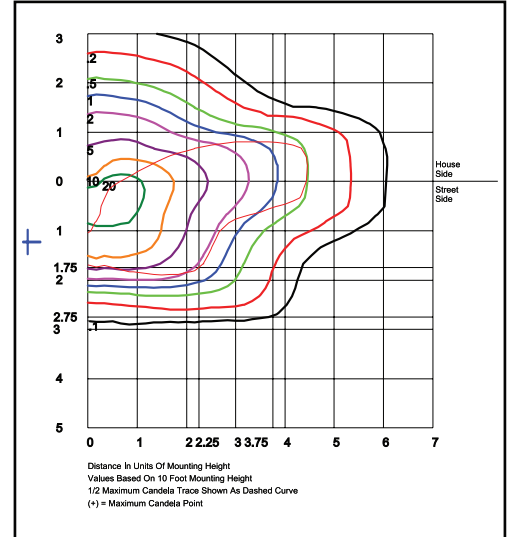
**AFS30QA1X1405K**  
**Type I**

Grid in MH  
MH=10 Feet



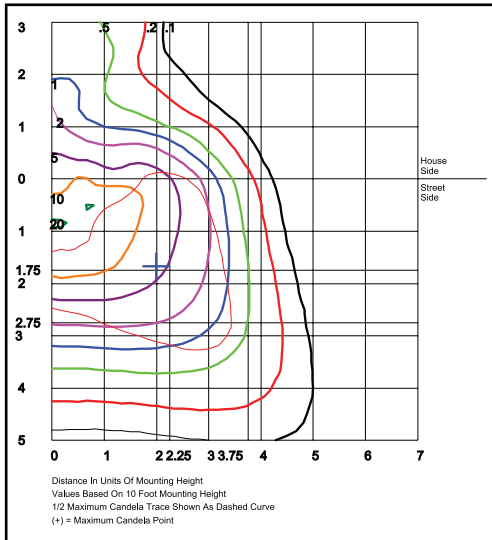
**AFS30QB1X1405K**  
**Type II**

Grid in MH  
MH=10 Feet



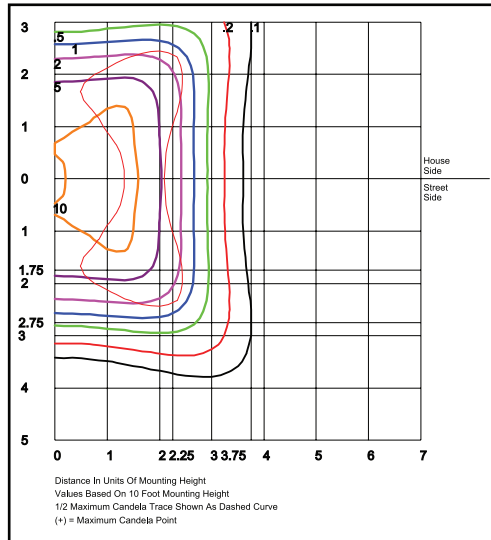
**AFS30QC1X1405K**  
**Type III**

Grid in MH  
MH=10 Feet



**AFS30QD1X1405K**  
**Type IV**

Grid in MH  
MH=10 Feet



**AFS30QF1X1405K**  
**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			
AFS30 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
AFS30 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
AFS30 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
AFS30 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
AFS30 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 @ 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.