



NOTES:

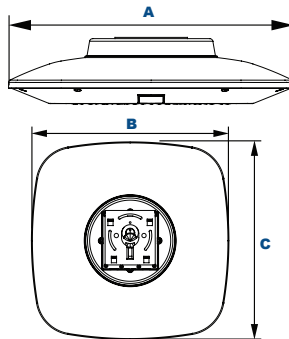
FIXTURE TYPE:

PROJECT:

Shown with  
LumaLens Option

## Dimensions

|            |             |
|------------|-------------|
| Height (A) | 4" (104mm)  |
| Length (B) | 18" (457mm) |
| Width (C)  | 18" (457mm) |



## PRODUCT DESCRIPTION

The AFSC30Q Aeroform Architectural Square Canopy 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 retail centers, industrial parks, schools and universities, public transport and airports, office buildings and medical facilities. 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. Includes 3' Cord.

### Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750;  
IP65 (IP66 with Pendant (PA) and Trunnion (T) Mounts Only)

### Finish:

Bronze or White 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 Options:

Surface Mount Model (NM) Includes Easy-Hang Bracket Allowing One-Person Installation, Fits Standard 4" Electrical Box. Adjustable Height Trunnion (T) and Pendant (PA) Models are Shipped Ready For Field Installation of the Mount. Mounts are Shipped in a Separate Carton.

### 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 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:

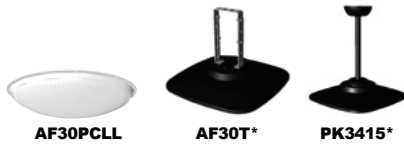
5-Year Warranty for -40°C to +50°C Environment.  
See Page 4 for Projected Lumen Maintenance Table.

## ORDERING INFORMATION

EXAMPLE: AFSC30QF1X140U5KCZNMSP

| Model  | Optics   | Wattage  | Driver                   | CCT   | Lens  | Color  | Mounting   | Options   |
|--|--|--|--------------------------|---|---|--|--|---|
| AFSC30Q =<br>EasyLED Aeroform<br>Square Canopy | B=Type II<br>C=Type III<br>D=Type IV<br>F=Type V | 1X37=37w<br>1X65=65w<br>1X100 =100w<br>1X140 =140w | U=120-277V<br>H=347-480V | 3K =3000K*<br>4K =4000K<br>5K =5000K<br><br>*37 and 65w<br>Only | C=Clear UV-Stabilized<br>Polycarbonate Array Lens<br>L=SoftLED LumaLens<br>Opal UV-Stabilized<br>Polycarbonate Lens*<br><br>*Type V Models Only | Z=Bronze<br>W=White<br>C=Custom<br>(Consult Factory) | NM=Easy-Hang<br>Bracket Only<br>T=Trunnion*<br>PA=Pendant*<br><br>*Mounting<br>Shipped<br>Separately | SF =Single Fuse*<br>DF =Double Fuse*<br>SP =Surge Protection<br>S2 =Microwave Sensor with Dimming for Mounting<br>Heights of 8' to 40'.*<br>S4 =Microwave On/Off Motion Sensor for Mounting<br>Heights of 8' to 19'.*<br>BU =Battery Backup, 90 Minutes (Up to 65w Max)*<br>BUC =Cold Start Battery Backup, -20°C, 90 Minutes<br>(Up to 65w Max)*<br><br>*120-277V Models Only. |

## ACCESSORIES &amp; REPLACEMENT PARTS



AF30PCLL

AF30T\*

PK3415\*



P17117

P17123

\*Shown Mounted

**Replacement Parts  
(Order Separately, Field Installed)**

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

AF30T\* Height Adjustable Trunnion, Stamped Heavy Duty Steel, Powdercoat Finish

PK3415\* Pendant Mount Kit Includes Top & Bottom Cover, Brackets, ¾" Dia X 15" L Downrod, and Hardware. Powdercoat Finish

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: Z=Bronze, W=White, C=Custom (Consult Factory)

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

## MOUNTING OPTIONS

**AFSC30Q with Easy-Hang Bracket (NM)**

Stamped Steel 2-Piece Bracket Allows One-Person Installation. Mounts Directly to Standard 4" Electrical Box

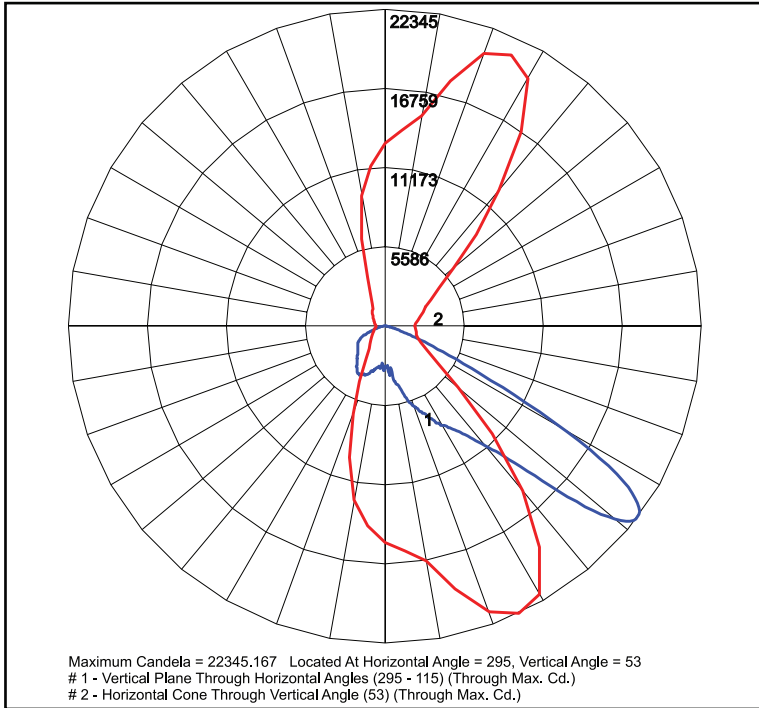
**AFSC30Q with Adjustable Trunnion Mount (T)**

Stamped Steel Height Adjustable Trunnion, Powdercoat Finish, Includes Hardware

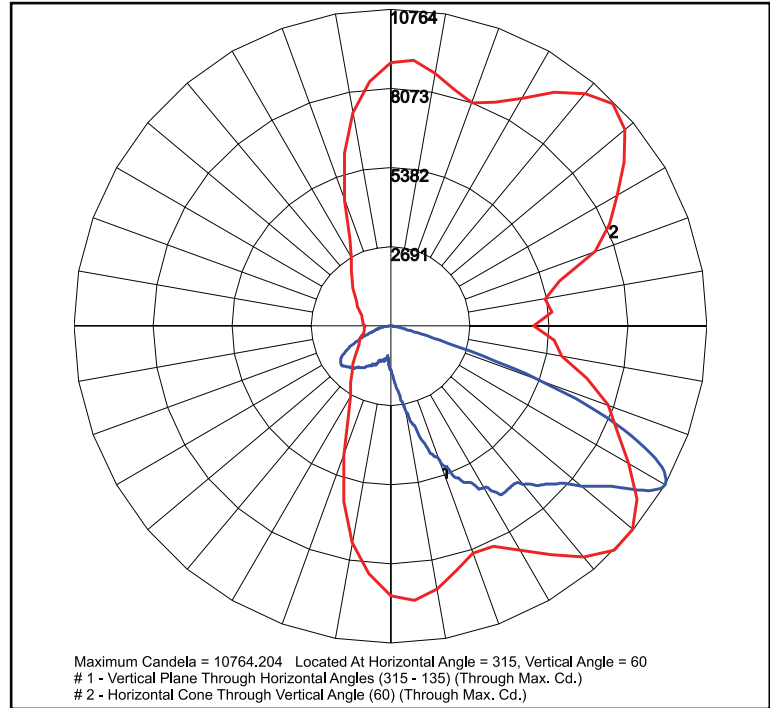
**AFSC30Q with Pendant Mount (PA)**

Includes Top and Bottom Covers, Brackets, and ¾" Diameter, 15" Long Downrod, Powdercoat Finish, Includes Hardware.

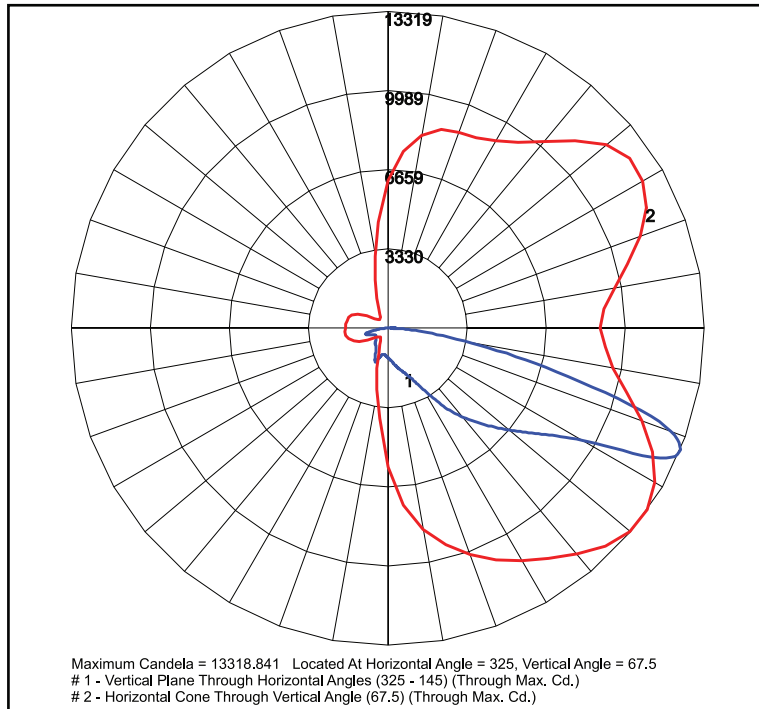
## PHOTOMETRIC DATA



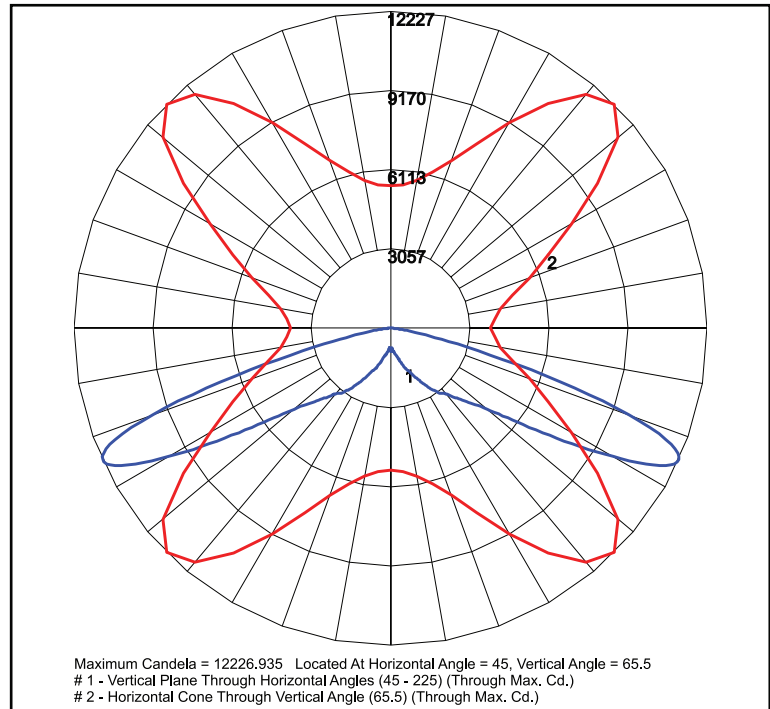
**AFSC30QB1X140U4KC -  
Clear Lens**



**AFSC30QC1X140U4KC -  
Clear Lens**



**AFSC30QD1X140U4KC -  
Clear Lens**



**AFSC30QF1X140U4KC -  
Clear Lens**

## PHOTOMETRIC PERFORMANCE

| PHOTOMETRIC PERFORMANCE |                    |             |   |                | 4000 CCT 70 CRI |     |   |   |   |
|-------------------------|--------------------|-------------|---|----------------|-----------------|-----|---|---|---|
| LED Board Watts         | Drive Current (mA) | Input Watts |   | Optics         | Lumens          | LPW | B | U | G |
| EasyLED 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 |
| EasyLED 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 |
| EasyLED 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 |
| EasyLED 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 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:

- 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.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.