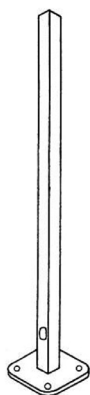


Area Light & Pole Combo Program

Selection and Ordering as Easy as 1, 2, 3



1. Choose from the Following Pole Options:

- Square Straight Steel Shaft (includes Full Base Cover)
- Dark Bronze Powder Coated Finish
- Length: 20 Feet or 25 Feet
- Mountings: Single/ Double @ 90/ Double @ 180/ Triple @ 90/ Quad
- All poles are drilled for four Luminaires, plugs will be provided for unused mounting if less than four fixtures are required



2. Select a Corresponding Fixture:

- Evolve EAEL01 - *Compact Low Wattage Area Light*
- Standard: 120-277V/ 4000K/ Dark Bronze/ Type IV Forward Only
- Lumen Packages: 5,000/ 10,000/ 12,500/ 15,000/ 20,000
- Controls: With ANSI 7-pin PE Receptacle with Shorting Cap/ or None



- Evolve EALS03 - *Standard Area Light*
- Standard: 120-277V/ 4000K/ Dark Bronze/ No PE Controls
- Lumen Packages: 10,000/ 15,000/ 20,000/ 30,000
- Distribution Types: Type III Wide or Type IV Forward
- Controls: With ANSI 7-pin PE Receptacle with Shorting Cap



3. Your Orders will be Shipped within 10 Days:

- Two week lead time for order quantities of 10 poles or less
- For larger orders please contact your customer service rep

Notes:

Shipping Bolts Early: At this time, the Bolts, Poles and Fixtures are all included in the combo. If you would like the bolts to ship early, please just make the request that the bolts be shipped immediately when you place the order and we will do our best to accommodate that request.

Mounting Bolt Pattern Templates are available on the Pole Product Page on our website.

Not Applicable for Canada Shipments



Buy American
Act Compliant

Before You Start...

A lighting pole must support the weight of the equipment you will mount on it and at the same time be able to withstand the effect of the maximum velocity winds to which it will be subjected. Therefore, the basis for selecting poles for this program is the weight and the Effective Projected Area (EPA) data shown in the Selection and Spec Charts under the headings "Total Fixture Weight" & "Total Fixture EPA" respectively.

Effective Protective Area (EPA)

The formula to calculate the force of wind acting on an object is **Actual Projected Area of the Object X Coefficient of Drag X Velocity Pressure of the Wind**. Effective projected area of EPA is the product of the first two. For example one luminaire has an actual projected area of 2.62 square feet and a drag coefficient of 0.57. Its EPA is thus $2.62 \times 0.57 = 1.5$ square feet. When mounting a luminaire, the centroid of the EPA should be no higher than 18 inches above the top of the luminaire mounting tenons.

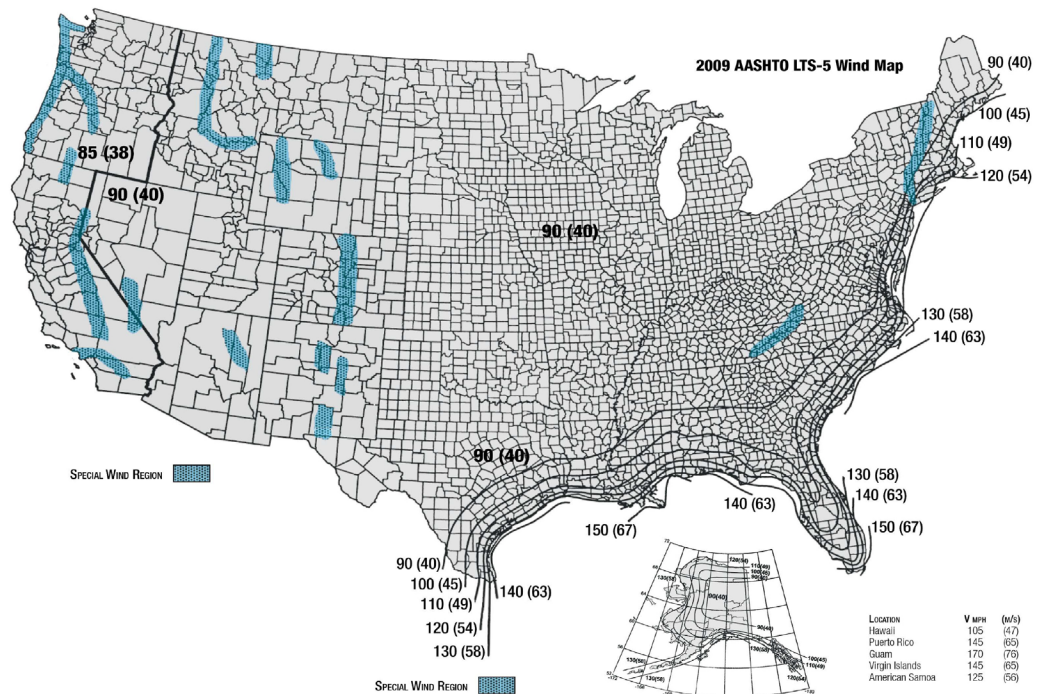
Maximum Expected Wind Velocities

Reccomended Total Load figures given in the Selection and Spec Charts are based on specific wind conditions - i.e. certain miles per hour isotach or MPH. The map below gives the maximum expected wind velocities in the contiguous United States, based on a 50-year mean recurrence interval. Refer to the map to find the maximum expected wind condition for the area you will be installing the lighting equipment. Velocities on the map are **expected isotach gusts, not gust values**.

AASHTO Wind Speed Map (2009)

All fixtures and arms are assigned an Effective Projected Area (EPA) value, which is defined as the maximum two-dimensional area multiplied by the drag coefficient (Cd) designated by the American Association of State Highway and Transportation Officials (AASHTO).

The sum of the fixture and arm EPA must not exceed the maximum allowable pole EPA at the selected design wind speed.



Ordering Logic and Spec Tables

Ordering Number Logic:

PFC SSS411 0 40 DKBZ

PROD ID	POLE: TYPE	POLE: HEIGHT	POLE: FIXTURE QTY (Per Pole)	FIXTURE: PLATFORM	FIXTURE: SUPPLY VOLTAGE	FIXTURE: TYPICAL INITIAL LUMENS	FIXTURE: PHOTOMETRIC DISTRIBUTION	FIXTURE: LED COLOR TEMP.	FIXTURE: CONTROLS	FIXTURE: & POLE: COLOR
PFC = Pole and Fixture Combination	SSS411 = Square Straight Steel, 4"x4" with 11 Gauge Wall Thickness	20 = 20 ft. 25 = 25 ft.	SD = One DB = Two DT = Three DQ = Four	A01 = EALS03 A02 = EAEL01	0 = 120-277V	05 = 5000 10 = 10000 12 = 12000 15 = 15000 20 = 20000 30 = 30000	3AW = Asymmetric Wide 4AF = Asymmetric Forward 3AW distribution only available for EALS03	40 = 4000K	1 = None D = ANSI 7-pin PE receptacle with shorting cap provided	DKBZ = Dark Bronze

NOTE: Options in Blue only Available with EAEL Fixtures

Pole Specifications and Selection Table:

POLE CAT MATRIX	SHAPE	STRAIGHT OR TAPERED	MATERIAL	HEIGHT (FT)	WALL THICKNESS (Gauge)	BASE DIMENSION (in x in)	TOP DIMENSION (in x in)	ANCHOR BASE (# of bolts)	ANCHOR BOLTS (in x in x in)	BOLT CIRCLE (in)	BOLT PROJECTION (in)	TOTAL FIXTURE WEIGHT (lbs)										
												90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH	
PFCSSS41120***	Square	Straight	Steel	20	11	4 x 4	4 x 4	4	0.75 x 17.00 x 3.00	8.50	3.75	200	9.1	6.5	5.8	4.2	2.9	1.8	1.1	-	-	-
PFCSSS41125***	Square	Straight	Steel	25	11	4 x 4	4 x 4	4	0.75 x 17.00 x 3.00	8.50	3.75	200	4.7	2.8	2.2	1.0	-	-	-	-	-	-

NOTE: See Pole Selection Guide Page for more information regarding proper sizing for poles. Installer is responsible for proper sizing regarding the Pole & Fixture(s) configuration according to location of installation.

Fixture Specifications and Selection Table:

FIXTURE CAT MATRIX	PLATFORM	SUPPLY VOLTAGE	TYPICAL INITIAL LUMENS	WATTAGE	PHOTOMETRIC DISTRIBUTION	LUMENS PER WATT	BUG RATING	PE CONTROL
A020054AF401DKBZ	EAEL01	120-277V	5,000	36W	Type IV (Asymmetric Forward)	139	B1-UO-G1	None
A020104AF401DKBZ	EAEL01	120-277V	10,000	73W	Type IV (Asymmetric Forward)	137	B2-UO-G2	None
A020124AF401DKBZ	EAEL01	120-277V	12,500	95W	Type IV (Asymmetric Forward)	132	B2-UO-G2	None
A020154AF401DKBZ	EAEL01	120-277V	15,000	122W	Type IV (Asymmetric Forward)	123	B2-UO-G2	None
A020204AF401DKBZ	EAEL01	120-277V	20,000	153W	Type IV (Asymmetric Forward)	131	B3-UO-G3	None
A020054AF40DDKBZ	EAEL01	120-277V	5,000	36W	Type IV (Asymmetric Forward)	139	B1-UO-G1	ANSI 7-Pin w/Shorting Cap
A020104AF40DDKBZ	EAEL01	120-277V	10,000	73W	Type IV (Asymmetric Forward)	137	B2-UO-G2	ANSI 7-Pin w/Shorting Cap
A020124AF40DDKBZ	EAEL01	120-277V	12,500	95W	Type IV (Asymmetric Forward)	132	B2-UO-G2	ANSI 7-Pin w/Shorting Cap
A020154AF40DDKBZ	EAEL01	120-277V	15,000	122W	Type IV (Asymmetric Forward)	123	B2-UO-G2	ANSI 7-Pin w/Shorting Cap
A020204AF40DDKBZ	EAEL01	120-277V	20,000	153W	Type IV (Asymmetric Forward)	131	B3-UO-G3	ANSI 7-Pin w/Shorting Cap
A010103AW40DDKBZ	EALS03	120-277V	10,100	70W	Type III (Asymmetric Wide)	144	B2-UO-G2	ANSI 7-Pin w/Shorting Cap
A010153AW40DDKBZ	EALS03	120-277V	15,100	116W	Type III (Asymmetric Wide)	130	B2-UO-G2	ANSI 7-Pin w/Shorting Cap
A010204AF40DDKBZ	EALS03	120-277V	20,000	140W	Type IV (Asymmetric Forward)	143	B3-UO-G3	ANSI 7-Pin w/Shorting Cap
A010304AF40DDKBZ	EALS03	120-277V	30,000	239W	Type IV (Asymmetric Forward)	126	B3-UO-G4	ANSI 7-Pin w/Shorting Cap