

## EACL® Series

### LED Area Light/Compact Low Wattage

Current's EACL Series of Area Light Luminaires offer a wide range of optical patterns, color temperatures, lumen packages, and mounting configurations to optimize area light applications, as well as provide versatility in lighting design within the same form factor.



### Construction

|                 |                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Housing:</b> | Die-cast aluminum housing with integral heat sink for maximum heat transfer                                                                                                              |
| <b>Paint:</b>   | Corrosion resistant polyester powder paint, minimum 2.0 mil thickness<br>Standard = Black, Dark Bronze Gray, White (RAL & custom colors available)<br>Optional coastal finish available. |
| <b>Weight:</b>  | 18 lbs (8.16 kg) Max depending on configuration                                                                                                                                          |

### Optical System

|                      |                                                                                          |
|----------------------|------------------------------------------------------------------------------------------|
| <b>Lumens:</b>       | 2,900 - 20,400                                                                           |
| <b>Distribution:</b> | Asymmetric Forward Type IV<br>Asymmetric Wide Type III<br>Asymmetric Narrow/Auto Type II |
| <b>Efficacy:</b>     | 123 - 143 LPW                                                                            |
| <b>CCT:</b>          | 3000K, 4000K, 5000K                                                                      |
| <b>CRI:</b>          | ≥70                                                                                      |

### Electrical

|                                   |                      |
|-----------------------------------|----------------------|
| <b>Input Voltage:</b>             | 120-277V & 347-480V  |
| <b>Input Frequency:</b>           | 50/60Hz              |
| <b>Power Factor:</b>              | > 90% at rated watts |
| <b>Total Harmonic Distortion:</b> | < 20% at rated watts |

### Surge Protection\*

| TYPICAL<br>(120 STRIKES) | ENHANCED<br>(40 STRIKES) |
|--------------------------|--------------------------|
| 6kV/3kA*                 | 10kV/5kA*                |

\*Per ANSI C136.2-2015

### Warranty

5 Year (Standard)

### Lumen Maintenance

#### Projected Lxx per IES TM-21-11 at 25°C

| LUMEN CODES                                                                 | LXX(10K) @ HOURS |           |           |
|-----------------------------------------------------------------------------|------------------|-----------|-----------|
|                                                                             | 25,000 HR        | 50,000 HR | 60,000 HR |
| <b>A2, A3, A4, B2, B3, B4, C2, C3, C4D2, D3, D4, E2, E3, E4, F2, F3, F4</b> | L94              | L90       | L88       |
| <b>H2,H3, H4</b>                                                            | L97              | L96       | L96       |

Note: Projected Lxx based on LM80 (≥ 10,000 hour testing). Accepted Industry tolerances apply to initial luminous flux and lumen maintenance measurements.

### Luminaire Ambient Temperature Factor

| AMBIENT<br>TEMP (°C) | INITIAL FLUX<br>FACTOR | AMBIENT<br>TEMP (°C) | INITIAL FLUX<br>FACTOR |
|----------------------|------------------------|----------------------|------------------------|
| 10                   | 1.02                   | 30                   | 0.99                   |
| 20                   | 1.01                   | 40                   | 0.98                   |
| 25                   | 1.00                   | 50                   | 0.97                   |

### Ratings

|                               |                                            |
|-------------------------------|--------------------------------------------|
| <b>Operating Temperature:</b> | -40°C to 50°C                              |
| <b>Vibration:</b>             | 3G vibration per ANSI C136.31-2018         |
| <b>LM-79:</b>                 | Testing in accordance with IESNA Standards |

### Controls

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| <b>Dimming:</b> | Standard - 0-10V<br>Optional - DALI (Option U)                               |
| <b>Sensors:</b> | Photo Electric Sensors (PE) available<br>LightGrid+™ and Daintree Compatible |



Not all product variations listed on this page are DLC qualified.  
Visit [www.designlights.org/search](http://www.designlights.org/search) to confirm qualifications.

CUSTOMER NAME \_\_\_\_\_

PROJECT NAME \_\_\_\_\_

DATE \_\_\_\_\_ TYPE \_\_\_\_\_

CATALOG NUMBER \_\_\_\_\_

## Ordering Information

EACL 01

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| PROD. ID                                                 | GEN | VOLTAGE                                                                                                                                                      | OPTIC CODE                                                                                         | DISTRIBUTION                                                                   | CRI (MIN) | CCT                                                  | DIMMING <sup>2</sup>                                                                                                                                                          | CONTROLS                                                                                                                                                                                                                                                                                                                    | MOUNTING ARM                                                                                                                                                                                                                                                                                                                                                                       | COLOR                                                                           | OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E = Evolve<br>AC = Compact Area Light<br>L = Low Voltage | 01  | 0 = 120-277V <sup>1</sup><br>H = 347-480V <sup>1</sup><br>E = 277-480V <sup>14</sup><br>1 = 120V<br>2 = 208V<br>3 = 240V<br>4 = 277V<br>5 = 480V<br>D = 347V | Ax=3000 lm<br>Bx=5000 lm<br>Cx=7500 lm<br>Dx=10000 lm<br>Ex=12500 lm<br>Fx=15000 lm<br>Hx=20000 lm | AF = Asymmetric Forward<br>AW = Asymmetric Wide<br>AN = Asymmetric Narrow/Auto | 7 = 70    | 30 = 3000K <sup>11</sup><br>40 = 4000K<br>50 = 5000K | N = Dimming thru PE receptacle<br>D = External Dimming 18/2-3ft cable<br>X = No External Dimming Leads<br><br>E = ANSI C136.41 7-pin with Non-Dimming PE Control <sup>3</sup> | 1 = None<br><br>A = ANSI 7-pin PE receptacle (no control)<br><br>D = ANSI 7-pin PE receptacle with shorting cap provided<br><br>K1 = Knuckle Slipfitter for 1.9 in - 2.3in. OD Tenon <sup>5,6</sup><br><br>S1 = Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon <sup>5,6</sup><br><br>V1 = Knuckle Wall Mount <sup>5,6</sup> | C1 = Integral Slip-fitter for 1.25"- 2" Pipe (1.66in. OD - 2.378 in. OD) <sup>4</sup><br><br>D1 = Universal Mounting Arm, fitted for round or square pole mounting <sup>5</sup><br><br>K1 = Knuckle Slipfitter for 1.9 in - 2.3in. OD Tenon <sup>5,6</sup><br><br>S1 = Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon <sup>5,6</sup><br><br>V1 = Knuckle Wall Mount <sup>5,6</sup> | GRAY = Gray<br><br>BLACK = Black<br><br>DKBZ = Dark Bronze<br><br>WHITE = White | F = Fusing <sup>12</sup><br><br>H1 = Motion Sensor w/LightGrid <sup>13</sup><br><br>H2 = Motion Sensor (Daintree) <sup>8</sup><br><br>H4 = Motion Sensor (Wattstopper) <sup>13</sup><br><br>J = cUL/Canada<br><br>L = Tool-Less Entry<br><br>R= Enhanced Surge Protection (10kV/5kA)<br><br>U = DALI dimming <sup>7</sup><br><br>V = 3-Position Terminal Block<br><br>Y = Coastal Finish <sup>10</sup><br><br>XXX = Special Options |

<sup>1</sup> Not Available with Fusing, Must Choose a Discrete Voltage with "F" Option Code

<sup>2</sup> Note Standard Dimming is 0-10V

<sup>3</sup> PE Control only available for 120-277V, 347V or 480V Discrete Voltage.

<sup>4</sup> Supplied with 3ft leads

<sup>5</sup> Supplied with 16/3 ft Cable

<sup>6</sup> Restricted Aiming Angle of 0-45°

<sup>7</sup> Compatible with LightGrid+™ Wireless Control Nodes, Not Compatible with Motion Sensor Control

<sup>8</sup> H2 Sensor is not available in High Voltage (347V, 480V or 347-480V)

<sup>10</sup> Recommended for installations within 750 feet from coast. Lead time varies, check with factory.

<sup>11</sup> Select 3000K CCT for IDA approved fixtures.

<sup>12</sup> Fusing not available with the following options: optical codes AX, BX; voltage options 347V, 480V

<sup>13</sup> For optical codes AX or BX: only available in 120-277V, not available with fusing, terminal board, or R surge.

<sup>14</sup> Not available in Ax, Bx, or Cx optic codes.

CUSTOMER NAME \_\_\_\_\_

PROJECT NAME \_\_\_\_\_

DATE \_\_\_\_\_ TYPE \_\_\_\_\_

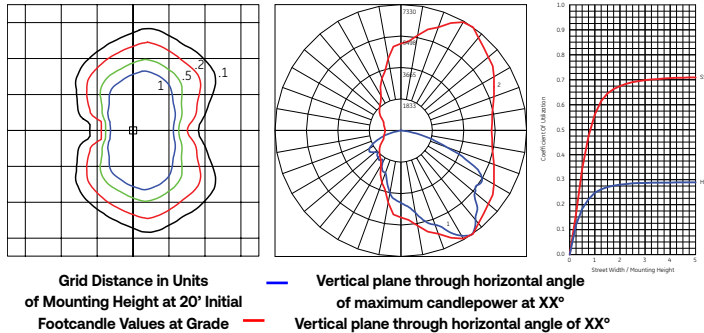
CATALOG NUMBER \_\_\_\_\_

| OPTICAL CODE | DIST CODE | CLASSIFICATION | TYPICAL LUMENS |               | TYPICAL SYSTEM WATTAGE |          | BUG RATING |               |
|--------------|-----------|----------------|----------------|---------------|------------------------|----------|------------|---------------|
|              |           |                | 3000K          | 4000K & 5000K | 120-277V               | 347-480V | 3000K      | 4000K & 5000K |
| A4           | AF        | TYPE IV        | 2900           | 2900          | 21                     | 23       | B1-UO-G1   | B1-UO-G1      |
| B4           |           |                | 4900           | 4900          | 36                     | 38       | B1-UO-G1   | B1-UO-G1      |
| C4           |           |                | 7300           | 7300          | 55                     |          | B1-UO-G2   | B1-UO-G2      |
| D4           |           |                | 9800           | 9800          | 73                     |          | B2-UO-G2   | B2-UO-G2      |
| E4           |           |                | 12200          | 12200         | 95                     |          | B2-UO-G2   | B2-UO-G2      |
| F4           |           |                | 14700          | 14700         | 122                    |          | B2-UO-G2   | B2-UO-G2      |
| H4           |           |                | 19000          | 19000         | 153                    |          | B3-UO-G3   | B3-UO-G3      |
| A3           | AW        | TYPE III       | 2900           | 3000          | 21                     | 23       | B1-UO-G1   | B1-UO-G1      |
| B3           |           |                | 4900           | 5100          | 36                     | 38       | B1-UO-G1   | B1-UO-G1      |
| C3           |           |                | 7400           | 7600          | 55                     |          | B1-UO-G2   | B1-UO-G2      |
| D3           |           |                | 9900           | 10200         | 73                     |          | B2-UO-G2   | B2-UO-G2      |
| E3           |           |                | 12400          | 12700         | 95                     |          | B2-UO-G2   | B2-UO-G2      |
| F3           |           |                | 14900          | 15300         | 122                    |          | B2-UO-G2   | B2-UO-G2      |
| H3           |           |                | 19300          | 20400         | 153                    |          | B3-UO-G2   | B3-UO-G2      |
| A2           | AN        | TYPE II        | 2900           | 3000          | 21                     | 23       | B1-UO-G1   | B1-UO-G1      |
| B2           |           |                | 4900           | 5000          | 36                     | 38       | B1-UO-G1   | B1-UO-G1      |
| C2           |           |                | 7300           | 7500          | 55                     |          | B2-UO-G1   | B2-UO-G2      |
| D2           |           |                | 9800           | 10100         | 73                     |          | B2-UO-G2   | B2-UO-G2      |
| E2           |           |                | 12300          | 12600         | 95                     |          | B2-UO-G2   | B2-UO-G2      |
| F2           |           |                | 14700          | 15100         | 122                    |          | B3-UO-G2   | B3-UO-G3      |
| H2           |           |                | 19100          | 20200         | 153                    |          | B3-UO-G3   | B3-UO-G3      |

For additional information on Non-Shielded and Shielded EACL IES files, please refer to LED.com

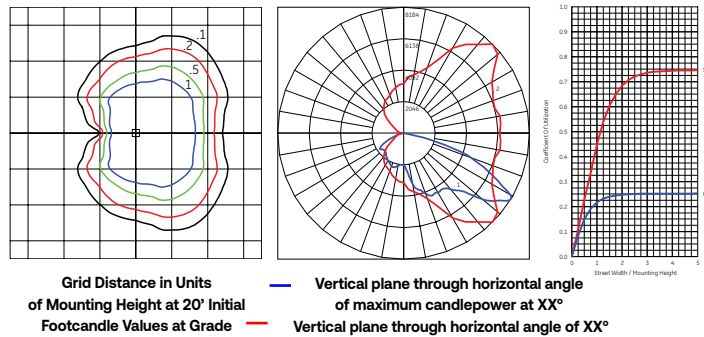
#### EACL - Type II - Very Short

15,100 lumens  
EACL01\_F2AN750\_...IES



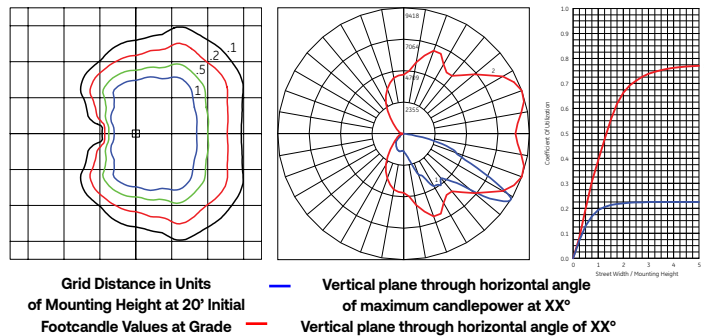
#### EACL - Type III - Short

15,300 lumens  
EACL01\_F3AW750\_...IES



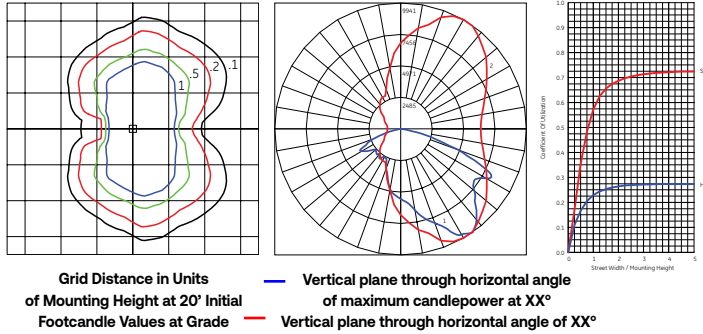
#### EACL - Type III - Very Short

15,000 lumens  
EACL01\_F4AF750\_...IES



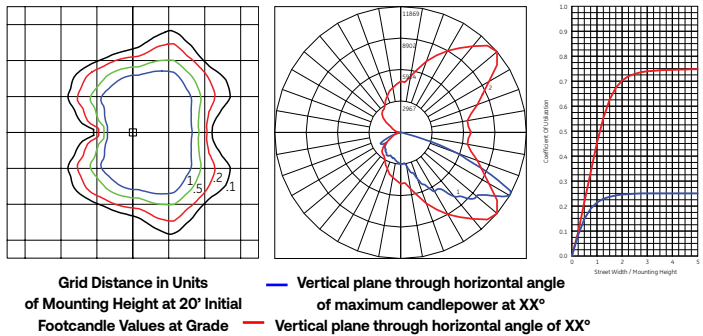
### EACL - Type II- Very Short

20,200 lumens  
EACL01\_H2AN750\_\_\_IES



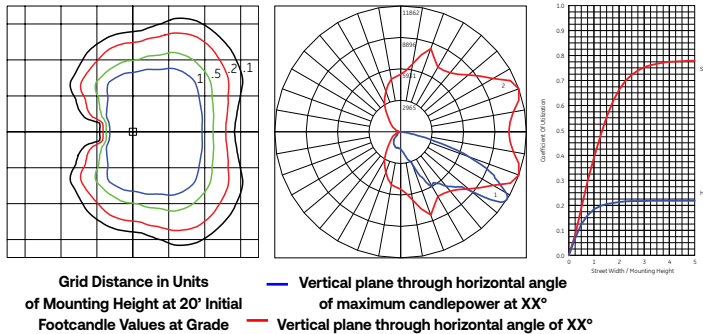
### EACL - Type III - Short

20,400 lumens  
EACL01\_H3AW750\_\_\_IES



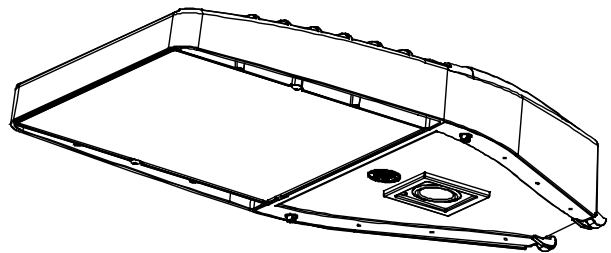
### EACL - Type IV - Very Short

20,000 lumens  
EACL01\_H4AF750\_\_\_IES



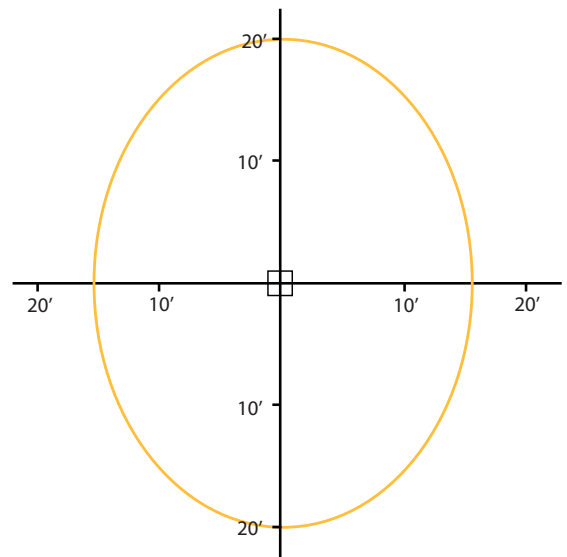
### H-Motion Sensing Option

- Recommended Mounting Height: 15-30' (4.6-9.1m)
- For mounting heights exceeding 30 ft., pole mounted sensors are recommended
- Coverage Radius: 15-20' (4.6-6.1 m).
- Provides 270 degree of coverage (approx 90 is blocked by the pole)
- Default Settings:
  - Output: Occupied - 100%/Unoccupied - 50%
  - Integral PE Sensor.
  - 5 minute post-occupancy time delay, 5 minute dimming ramp-down.
- Fixture power increase of 1W expected with sensor use.



### H1/4 - Motion Sensing Option (WattStopper)

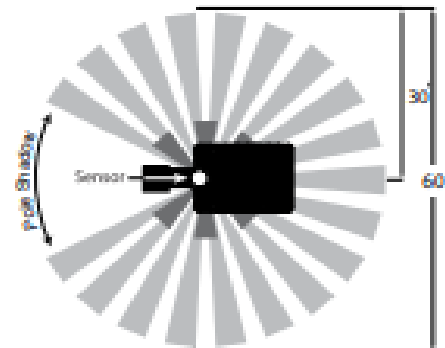
- Recommended Mounting Height: 15-30' (4.6-9.1m)
- For mounting heights exceeding 30 ft., pole mounted sensors are recommended
- Coverage Radius: 15-20' (4.6-6.1 m).
- Provides 270 degree of coverage (approx 90 is blocked by the pole)
- Default Settings:
  - Output: Occupied - 100%/Unoccupied - 10%
  - PE Sensor: Disabled
  - Ramp/Fade: Disabled
- Adds < 1W to fixture power rating
- Field programmable using FSIR-100 hand held programmer



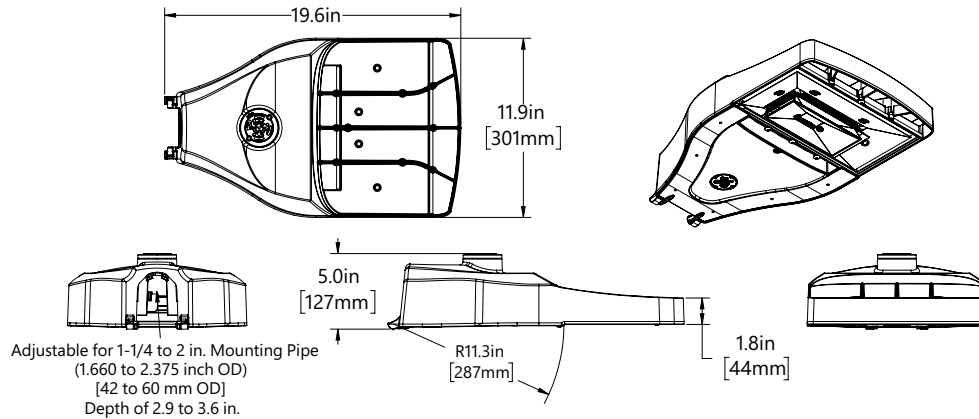
### H2 - Motion Sensing Option (Daintree)

- Recommended Mounting Height: 15-30' (4.6-9.1m)
- For mounting heights exceeding 30 ft., pole mounted sensors are recommended
- Provides a coverage area radius for walking motion of 15-20 ft. (4.57-6.10m)
- Provides 270 degree of coverage (approx 90 is blocked by the pole)
- Default Settings:
  - Output: Occupied - 100%/Unoccupied - 50%
  - PE Sensor: None
  - Ramp/Fade: 5 Minutes/5 Minutes
- Adds < 1W to fixture power rating
- Requires Daintree Enterprise and wide area control (WAC)

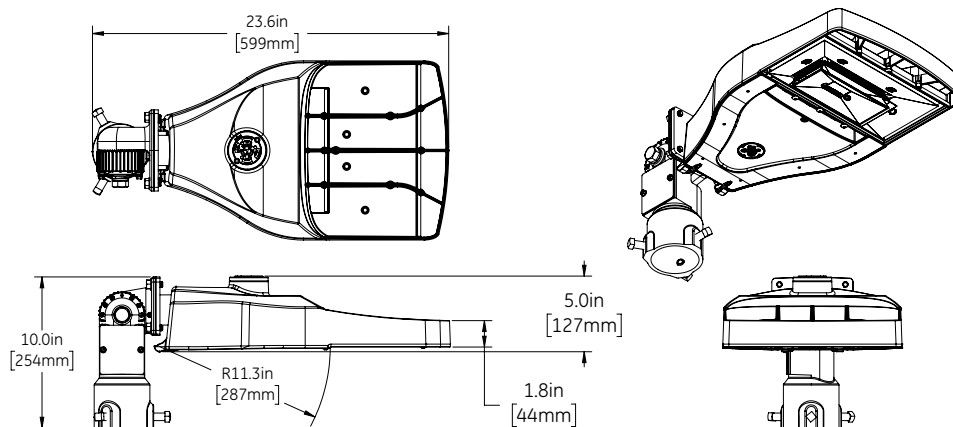
Sensing Pattern Area Fixture  
Up to 30 ft. Mounting Height



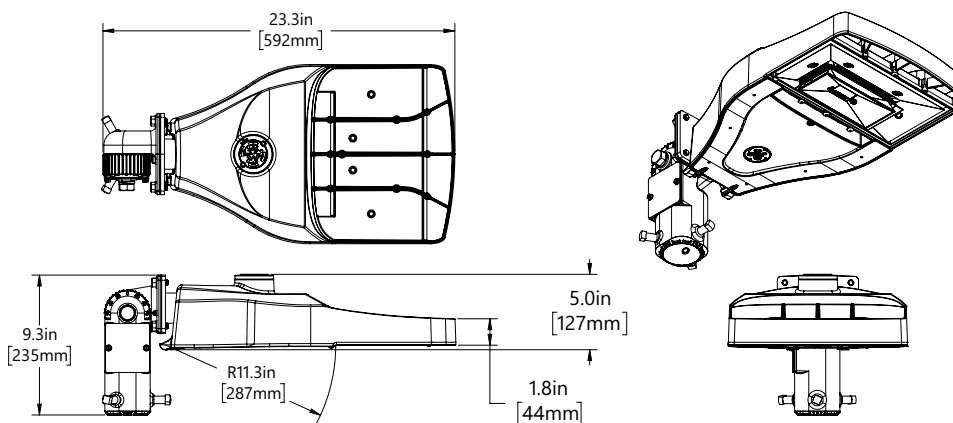
#### Integral Slipfitter: C1



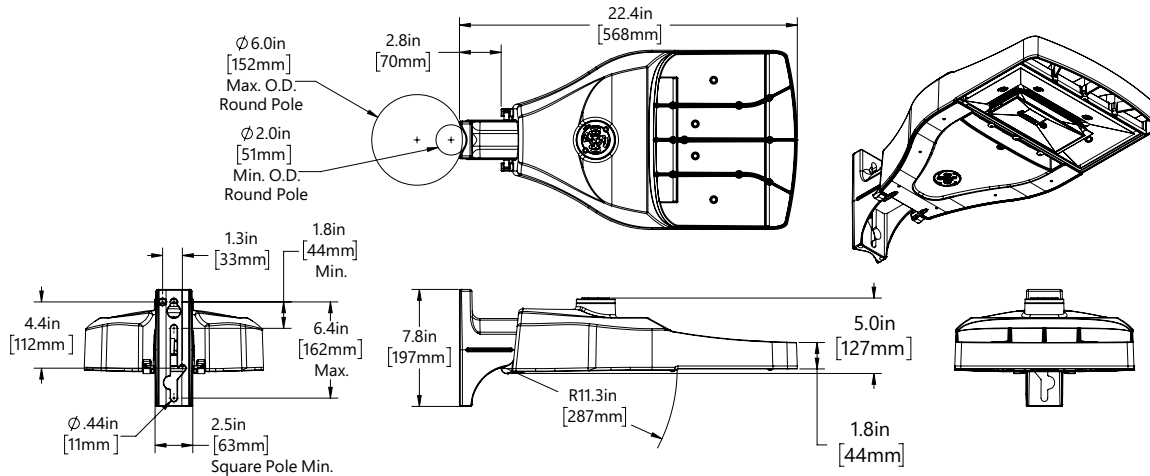
#### Knuckle Slipfitter: S1



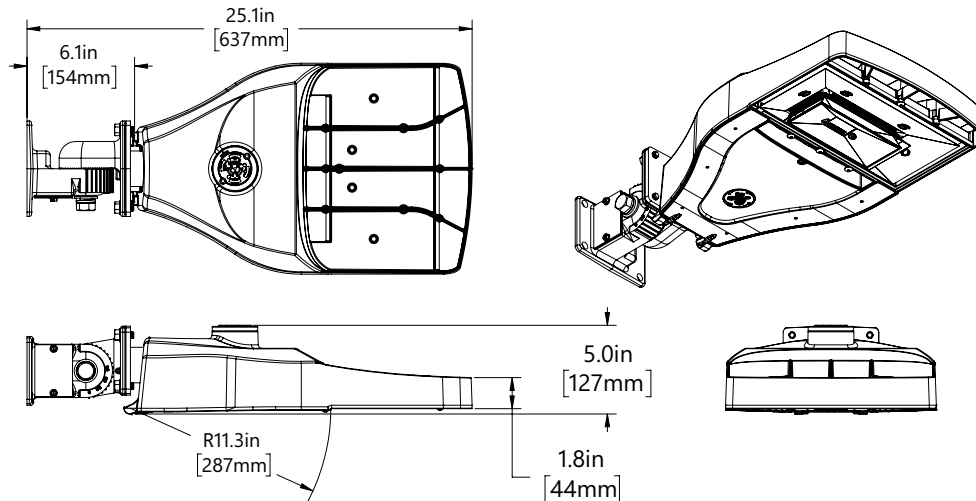
#### Knuckle Slipfitter: K1



#### Universal Mounting Arm: D1



#### Knuckle Wall Mount: V1



#### Weight

- 18 lbs (8.16 kg) Max depending on configuration

#### Effective Projected Area

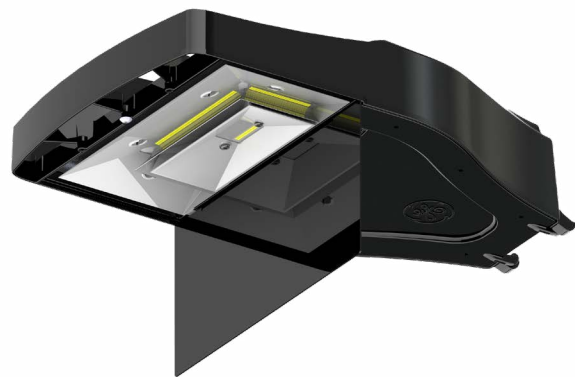
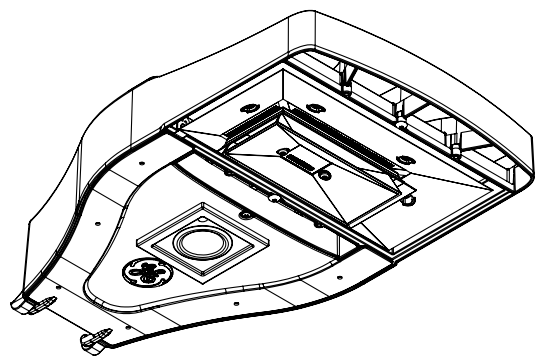
- Integral Slipfitter C1, EPA = 0.31 Min/0.37 Max
- Universal Arm Mount D1, EPA = 0.31 Min / 0.52 Max
- Knuckle Slipfitter S1, K1 downward aim, EPA = 0.46 Min / 0.56 Ma
- Knuckle Slipfitter S1, K1 45° aim, EPA = 0.56 Min / 1.03 Max

CUSTOMER NAME \_\_\_\_\_

PROJECT NAME \_\_\_\_\_

DATE \_\_\_\_\_ TYPE \_\_\_\_\_

CATALOG NUMBER \_\_\_\_\_



PE Accessories (To Be Order Separately)

| SAP NUMBER | PART NUMBER   | DESCRIPTION                                      |
|------------|---------------|--------------------------------------------------|
| 93123552   | WANSI - 277   | ANSI 136.41 Dimming PE Danitree Enable, 105-305V |
| 93123553   | WANSI - 480   | ANSI 136.41 Dimming PE Danitree Enable, 312-530V |
| 93029237   | PED-MV-LED-7  | ANSI C136.41 Dimming PE, 120-277V                |
| 93029238   | PED-347-LED-7 | ANSI C136.41 Dimming PE, 347V                    |
| 93029239   | PED-480-LED-7 | ANSI C136.41 Dimming PE, 480V                    |

| SAP NUMBER | PART NUMBER | DESCRIPTION       |
|------------|-------------|-------------------|
| 28299      | PEC0TL      | STANDARD 120-277V |
| 28294      | PEC5TL      | STANDARD 480V     |
| 80436      | PECDDL      | STANDARD 347V     |
| 73251      | SCCL-PECTL  | Shorting cap      |

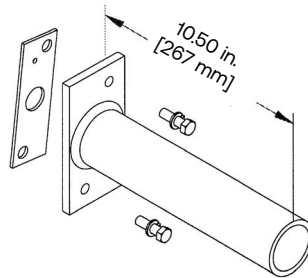
Back Light Shied

| SHIELD ORIENTATIONS | CUTOFF DISTANCE | SHIELD ORDER LOGIC |
|---------------------|-----------------|--------------------|
| Back                | Long            | ELS-EACL-RBL-BLCK  |

## Mounting Arms for Slipfitter Order separately with Mounting Option C1 (Slipfitter)

### Square pole mounting arm

- 3.5 to 4.5-inch (89 to 114mm) square (will allow 4 fixtures per pole @ 90 degrees.)

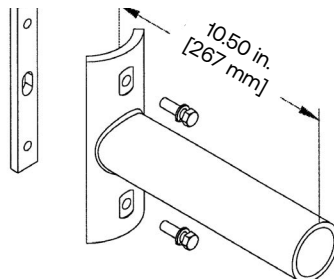


#### Order separately from fixture as catalog number

- SPA-EAMT10BLACK "Black"
- SPA-EAMT10DKBZ "Dark Bronze"
- SPA-EAMT10WHITE "White"
- SPA-EAMT10GRAY "Gray"

### Round Pole Mounting Arm

- 3.5 to 4.5-inch (89 to 114mm) od (will allow 4 fixtures per pole @ 90 degrees.)



#### Order separately from fixture as catalog number

- RPA-EAMT10BLACK "Black"
- RPA-EAMT10DKBZ "Dark Bronze"
- RPA-EAMT10WHITE "White"
- RPA-EAMT10GRAY "Gray"

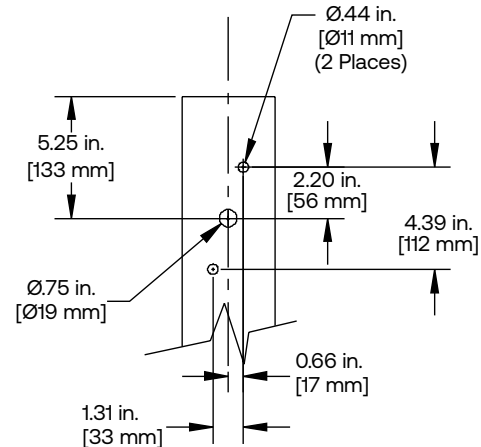
### Wall Mounting Bracket Adapter Plate

Order separately from fixture as catalog number  
WMB-EAMT06

\*NOTE: For Wall Mounting, order luminaire with mounting arm: C1 = Slipfitter 2" Pipe (2.378 in. OD) supplied with leads.

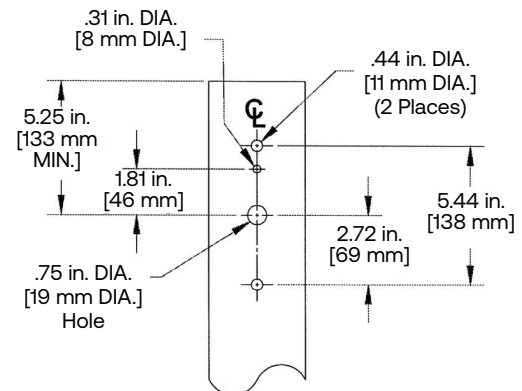
Other mounting patterns are available for retrofit installations. Contact manufacturing for other available mounting patterns.

### Square pole mounting drilling template



### Round Pole Mounting Drilling Template

- 3.5 TO 4.5-inch (89 to 114mm) OD round pole mounting arm



### Wall MOUNTING Bracket Hole Pattern

