

Project		Date
Type		
Model		

## Features

### Construction:

- Thermally conductive LED panel and electrical chamber are securely housed within a durable one-piece die-cast aluminum enclosure.
- Low profile, 3G vibration rated compact design minimizes wind load requirements.
- Housing is completely sealed against moisture and environmental contaminants.

### Optics:

- Available in IES Type III, IV, V distributions
- Light engines are available in standard 4000K and 5000K (70 CRI) configurations.
- Scalable Lumen Packages from 13,900 to 42,000 Lumens replaces up to 1000W Metal Halide.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.
- The optics can conform to dark sky requirement.

### Electrical:

- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming driver(s) from 10% to 100%
- THD:  $\leq 20\%$
- Power Factor:  $\geq 90\%$

### Controls:

- Optional occupancy sensor or Microwave sensor
- Optional NEMA 3-pin photocell or 7-pin photocell

### Ambient Temperature:

- Ambient operating temperature -40°F to 113°F

### Installation:

- Mounting heights ranging from 26-50ft in area lighting applications
- Round pole, Square pole, slipfitter, wall mount and Trunnion are available.

### Lifespan:

- Estimated 70,000-hour LED lifespan based
- on IES LM-80 results and TM-21 calculations

### Finish:

			
Black RAL9011	Bronze RAL7022	Silver RAL7004	White RAL9010

## ORDER INFORMATION

EXAMPLE: EAL2-150W-Y-50K-3M-16-BZ



Series	Wattage	Voltage	CCT	Optics	Mounting	Motion Sensor	Photocell	Back-light Shield	Finish
EAL2 Area Light	100W	Y 120-277V	40K 4000K	3M	SF Slip Fitter	Blank No sensor  MS Motion Sensor	Blank No photocell	Blank No shield  BS Back-light Shield	BK Black
	150W			4M	TR Trunnion		PC (120-277V)		WH** White
	180W			HV 347-480V	50K 5000K		WM Wall Mount		PC3 (348V)
	250W	AM Arm Mount	PC4 (480V)				SV Silver		
	300W	ADJ Adjustable Arm Mount							

Enter configuration:

\*\* Special Order

Dimensions and values shown are nominal. LuminosoLED continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

## EAL2 Series LED Area Light

100W



150W / 180W



250W / 300W



## PERFORMANCE DATA

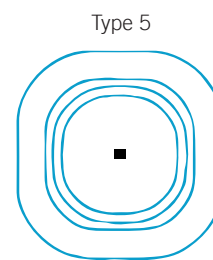
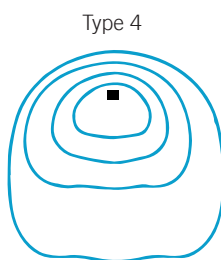
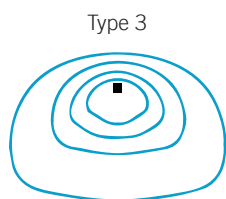
SYSTEM WATTS	VOLTAGE	DIST.TYPE	4000K(70CRI)		5000K(70CRI)	
			LUMENS	LPW	LUMENS	LPW
100W	120-277V/347-480V	3	14,100lm	141 lm/W	14,100lm	141 lm/W
	120-277V/347-480V	4	14,000lm	140 lm/W	13,900lm	139 lm/W
	120-277V/347-480V	5	14,200lm	142 lm/W	14,200lm	142 lm/W
150W	120-277V/347-480V	3	21,000lm	140 lm/W	21,000lm	140 lm/W
	120-277V/347-480V	4	20,500lm	137 lm/W	20,500lm	137 lm/W
	120-277V/347-480V	5	21,000lm	140 lm/W	21,000lm	140 lm/W
180W	120-277V/347-480V	3	25,000lm	139 lm/W	25,000lm	139 lm/W
	120-277V/347-480V	4	25,000lm	139 lm/W	25,000lm	139 lm/W
	120-277V/347-480V	5	26,000lm	144 lm/W	26,000lm	144 lm/W
250W	120-277V/347-480V	3	35,000lm	140 lm/W	35,000lm	140 lm/W
	120-277V/347-480V	4	35,000lm	140 lm/W	35,000lm	140 lm/W
	120-277V/347-480V	5	36,000lm	144 lm/W	35,000lm	140 lm/W
300W	120-277V/347-480V	3	42,000lm	140 lm/W	42,000lm	140 lm/W
	120-277V/347-480V	4	41,000lm	137 lm/W	41,000lm	137 lm/W
	120-277V/347-480V	5	42,000lm	140 lm/W	42,000lm	140 lm/W

## BUG

SYSTEM WATTS	VOLTAGE	DIST.TYPE	B	U	G
100W	120-277V/347-480 V	3	2	0	2
		4	3	0	3
		5	4	0	2
150W	120-277V/347-480 V	3	3	0	3
		4	3	0	3
		5	4	0	2
180W	120-277V/347-480 V	3	3	0	3
		4	3	0	3
		5	4	0	2
250W	120-277V/347-480 V	3	4	0	4
		4	4	0	4
		5	5	0	3
300W	120-277V/347-480 V	3	4	0	4
		4	4	0	5
		5	5	0	3

## PHOTOMETRICS

LuminosoLED offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.



## Mounting Options

- Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles.
- Optional for cast aluminum slipfitter mounting adapter (Compatible with more Luminoso LED mounting adaptors such as Tenon, suits for various application)



### Arm Mount

(4" and 5" Square and Round poles)  
The installation of the versatile mounting arm is straightforward, and it can easily be utilized with existing poles for retrofitting purposes.



### Slipfitter Mount

A cast aluminum mast arm adapter is available as an option to securely attach the fixture head to a horizontal steel tenon arm with a nominal 2-3/8" O.D. dimension.



### Wall Mount

The Wall Mount option offers easy installation for direct wall mounting, accommodating either 1/2" conduit wiring or standard J-box mounting.



### Trunnion Mount

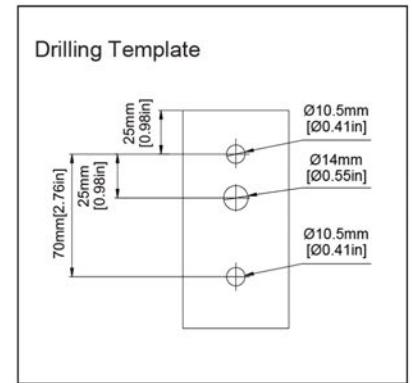
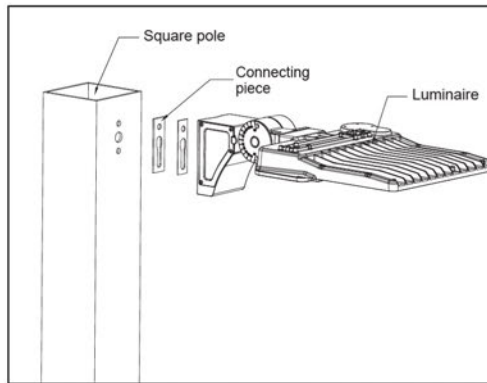
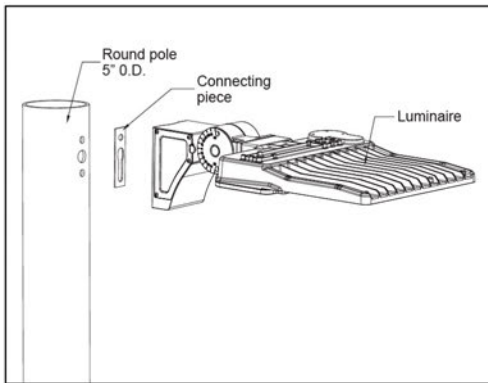
The die-cast aluminum trunnion is highly adaptable to various surfaces and facilitates effortless adjustment of fixture aiming angles.



### Adjustable Arm Mount

The versatile mounting arm, designed for standard use, offers straightforward installation and compatibility with existing poles for retrofitting applications.

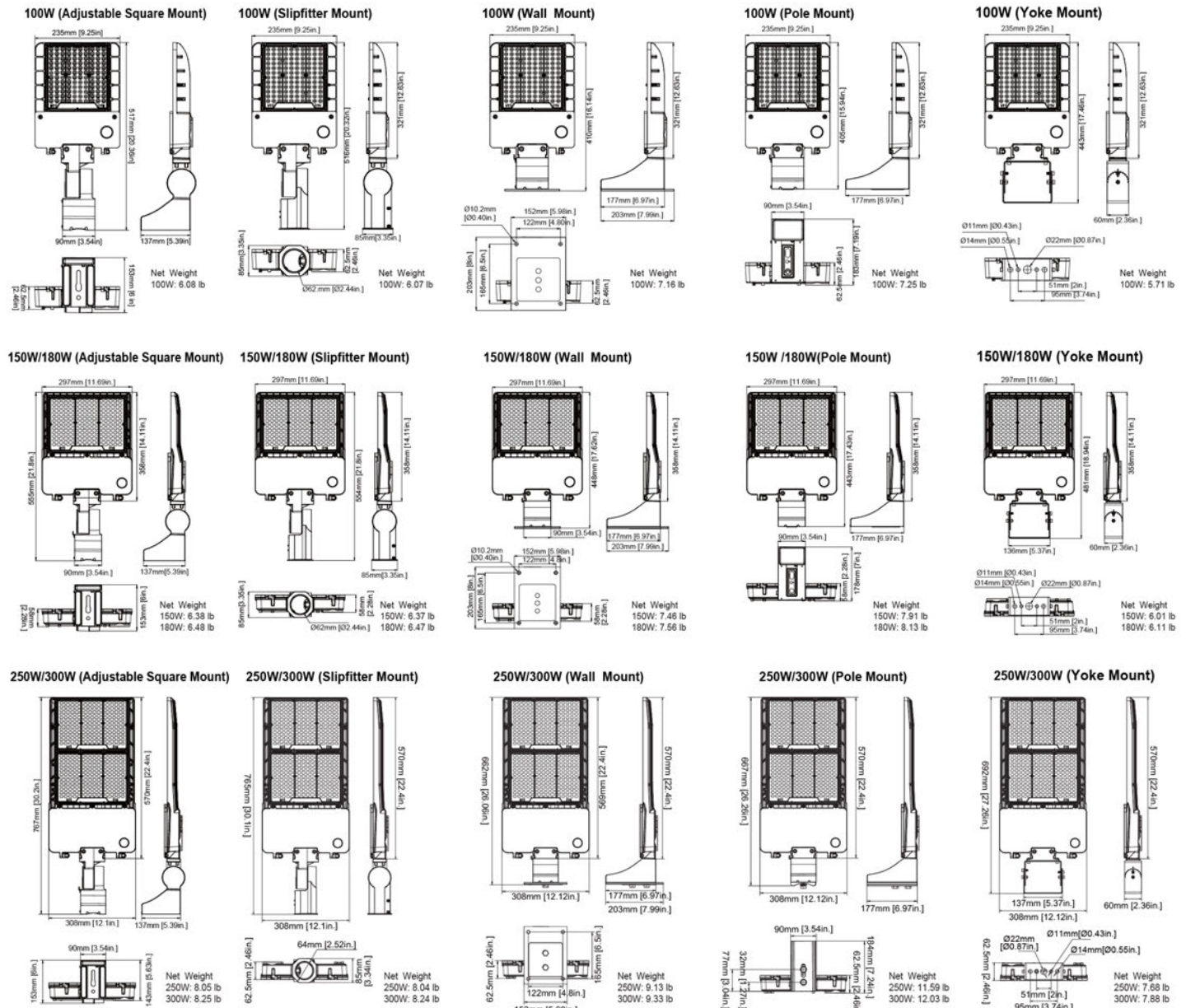
## Mounting Dimensions



## EPA (Area Light)

Item							
	1	2 @ 90°	2 @ 120°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
100W	0.2751	0.5267	0.7321	0.6164	0.9577	0.9837	0.9577
150W/180W	0.3111	0.6343	0.6464	0.6222	0.9335	0.9696	0.9335
250W/300W	0.4097	0.7227	0.9919	0.8856	1.1986	1.3049	1.1986

## EAL2 Series Dimensions / Back Shield Accessory



## Back Shield Accessory

