



Project	
Notes	
Type	Date
Cat. No.	

## LSA2™ Series

## LED Shoe Box Area Light

### DESCRIPTION

The LSA2 Series is an energy efficient LED area light. Intended to replace a 250W or 400W metal handle area light. Re-lamping once every 12 to 15 Years, instead of every 6 months makes this an attractive fixture for new construction and retrofit lighting upgrades. Perfect for hard to service locations. Rugged die cast design ensures LED's operate at optimum temperature for long life. Sealed to the environment for long reliable service life.



### LSA2 Series

100W (11,000 Lumens)
150W (16,500 Lumens)
200W (24,200 Lumens)
300W (33,000 Lumens)

### Specification Features

#### Construction

Rugged die cast aluminum housing withstands outdoor environments. Outer surface treated with durable power coating to provide resistance to corrosion, rust, weathering, and or degradation. Performance engineered internal heat dissipation fins provide superior thermal management for lens life and reliability.

#### Qualifications

All luminaires are built to UL 1598 and 2108 standards, and bear appropriate ETL labels. Wet location labeling is standard. Emergency equipped fixtures labeled UL924. Adheres to LM70, LM80, and TM21 industry standards. DesignLights Consortium® (DLC) DLC qualified product. Not all product variations listed are DLC qualified. Please visit the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which models are qualified.

#### Electrical

Equipped standard with fixed output driver. Optional 0-10V continuous dimming driver that works with any standard 0-10V control/dimmer. Long-Life LED's 60,000 hours at L80 with projected life over 100,000 hours for reduced life cycle maintenance costs. Ships Standard with Short Cap and Receptacle for twist lock photocell (sold separately).

#### Installation

Luminaire can be mounted via three mounting options: Yoke mount, Slipfitter, and Square Pole Mount.

#### Warranty

5-year Limited Warranty. See warranty documentation for more information.

#### Options

Optional On/Off or Bi-Level sensor, high voltage transformers, emergency battery backups, whips and cords.

Rated Life 60,000 hours  
Limited Warranty 5 years  
Efficacy 110 lm/W  
Continuous Dimming



Quick Ship/ DLC Listed

Available Q2 2021

### Ordering Information

Example: LSA2-150-MV-850

LSA2	150	MV	V	8	50
<b>Series</b> LSA2 LED Shoe Box Area Light	<b>Rated Wattage</b> 100-100W (11,000 Lumens) <sup>2</sup> 150-150W (16,500 Lumens) <sup>2</sup> 200-220W (24,200 Lumens) <sup>1</sup> 300-300W (33,000 Lumens) <sup>1</sup>	<b>Driver Type</b> MV-120-277V <sup>2</sup> MVD- 120-277V; 0-10V Dimming <sup>1</sup> HVD- 347-480V, 0-10V Dimming <sup>1</sup> HV- 347-480V <sup>1</sup>	<b>Light Distribution</b> II- Type 2 Distribution <sup>1</sup> III-Type 3 Distribution <sup>1</sup> IV-Type 4 Distribution <sup>1</sup> V- Type 5 Distribution <sup>2</sup>	<b>CRI</b> 8 80+ CRI <sup>2</sup>	<b>Color Temp</b> 35 3500K <sup>1</sup> 40 4000K <sup>1</sup> 50 5000K <sup>2</sup>
<b>Options</b>					
<b>Mounting</b> <i>Order as Separate Line Item</i> LSA-SF- Slipfitter (2 5/8") LSA-SPM- Pole Mount (4-6") LSA-YM- Yoke Mount			<b>Controls</b> MOSB-LSA- Bi-Level Microwave Occupancy Sensor PC-LSA- Photocell		

Specifications and Dimensions subject to change without notice.

## Performance Summary

Input Voltage	120-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 130 lm/W
CRI	80+, R9 > 0
Available CCT <sup>1</sup>	5000K
Color Consistency <sup>2</sup>	5-step MacAdam Ellipse
Rated Life	60,000 hours
L70 <sup>3</sup>	> 72,000 hours or > 45,000
Power Factor	>0.99
THD	< 2.3%
Dimming	0-10V Continuous
Operating Temp.	(10-100%) -18°C to 40°C



## Performance Data

Lens Type	Form Factor	Catalog No.	Rated Wattage (W)	Delivered Lumens	Efficacy (lm/W)
Frosted Acrylic		LSA2-100-MV-850	100W	13,000	130
		LSA2-150-MV-850	150W	19,500	130
		LSA2-200-MV-850	200W	26,000	130
		LSA2-300-MV-850	300W	39,000	130

## NOTES:

- <sup>1</sup> Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.
- <sup>2</sup> DLC Listed
- <sup>3</sup> DLC Premium Listed
- <sup>4</sup> Quick ship: 5000K. Other CCTs may require a lead time or be special order
- <sup>5</sup> Typical color consistency. May vary or be changed.
- <sup>6</sup> L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers. Contact GlobaLux for detailed information.
- <sup>7</sup> Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

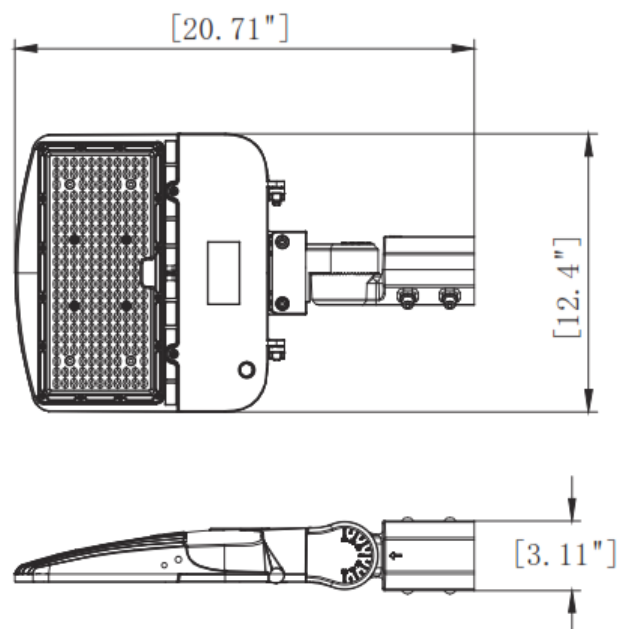
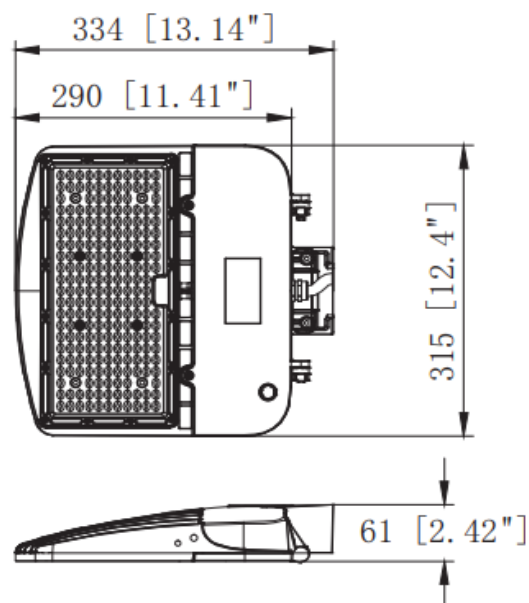
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Specifications and Dimensions subject to change without notice.

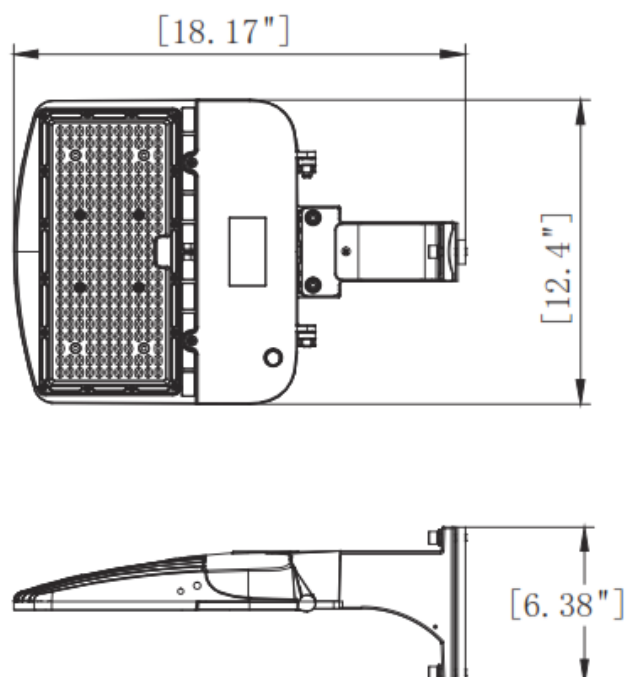
## Product Dimensions

LSA2-100/150

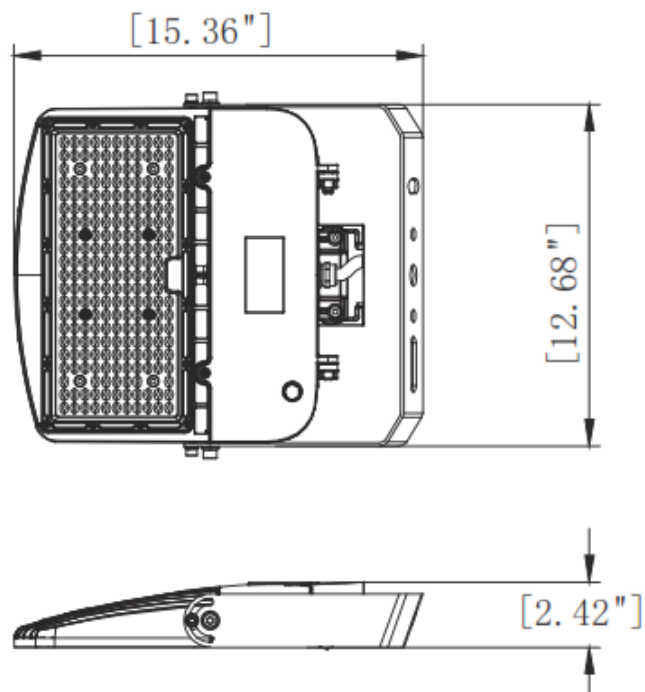
Slip-fitter Mount



Fixed Arm Mount



Yoke Mount

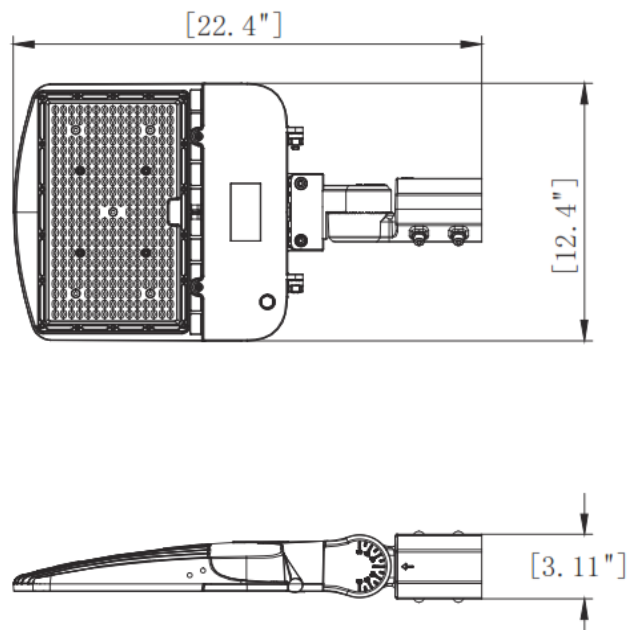
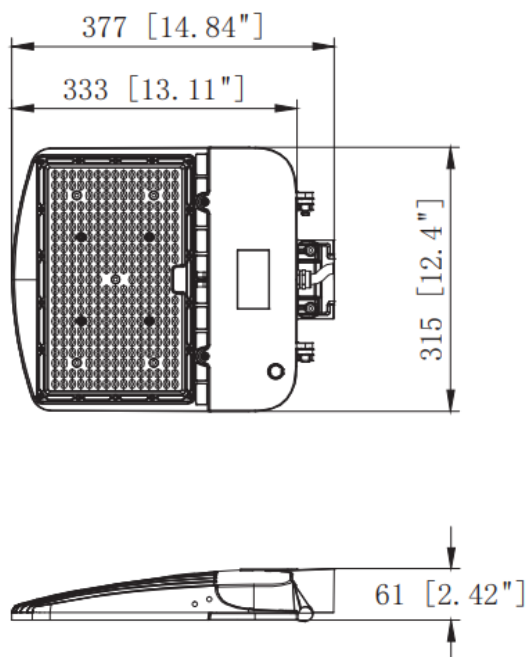


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## Product Dimensions

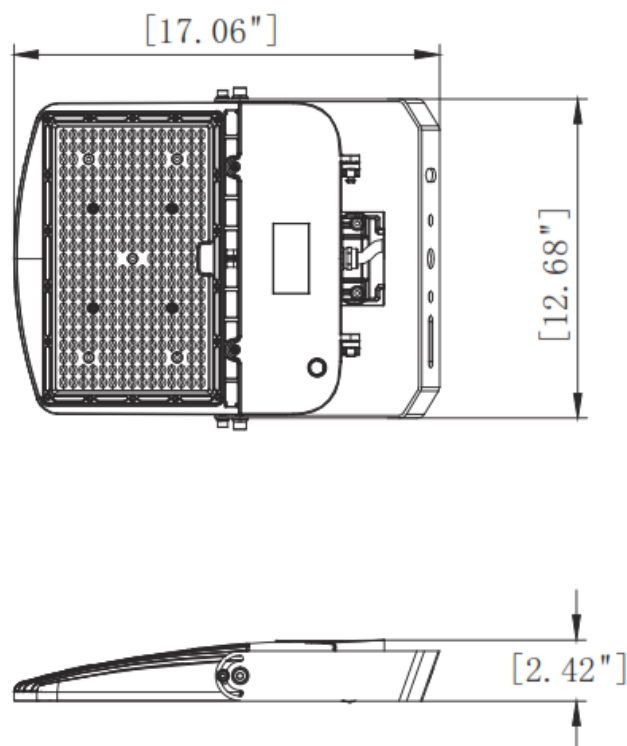
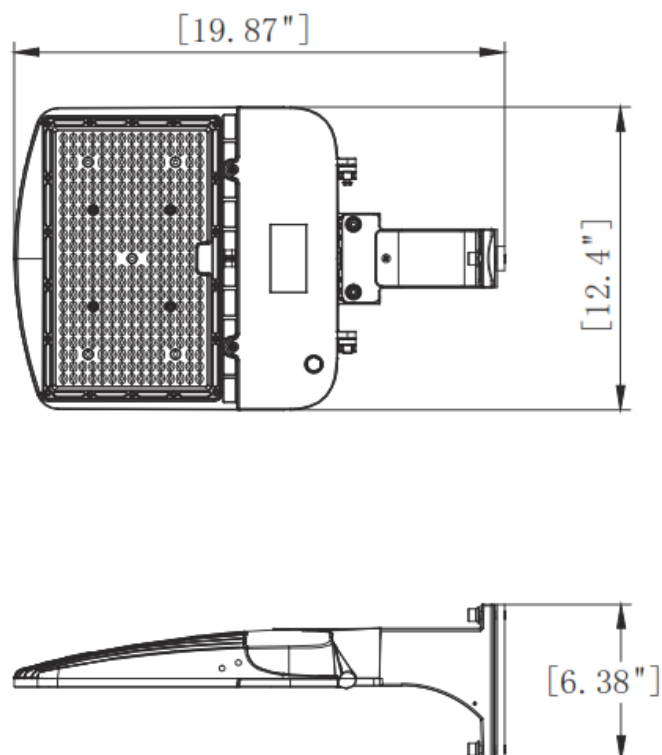
LSA2-200

Slip-fitter Mount



Fixed Arm Mount

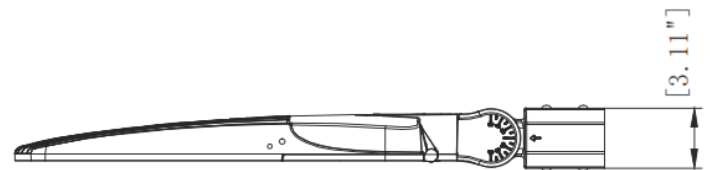
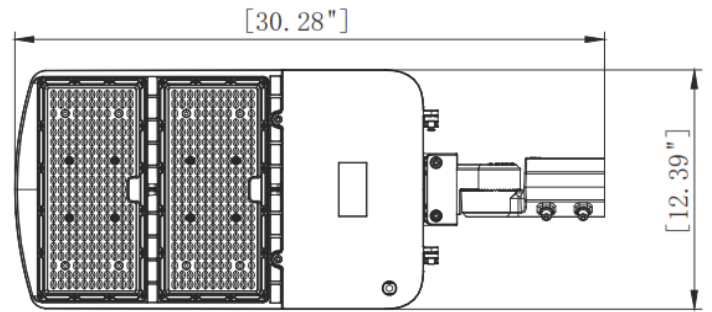
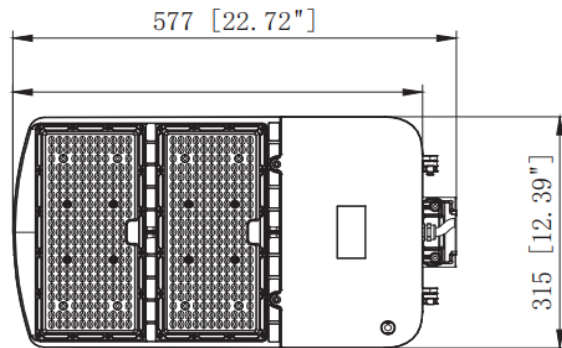
Yoke Mount



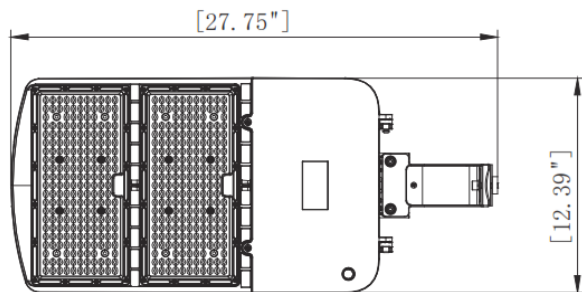
Product Dimensions

LSA2-240/300

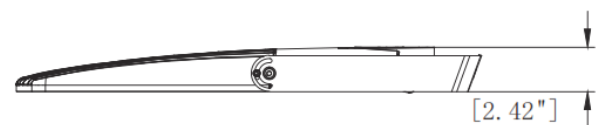
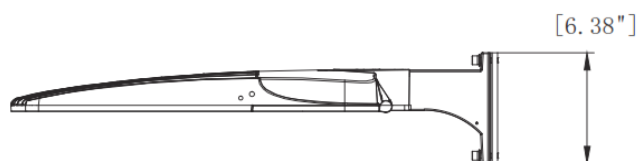
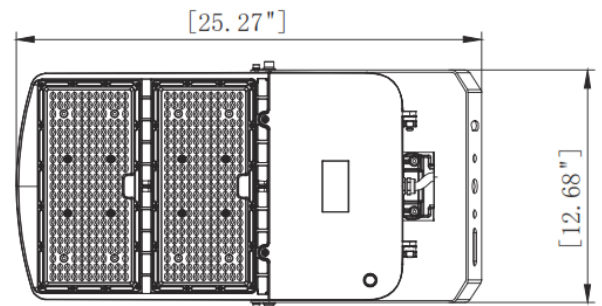
Slip-fitter Mount



Fixed Arm Mount



Yoke Mount



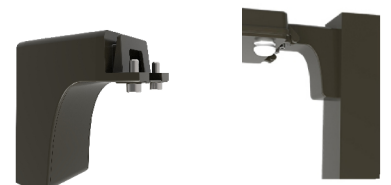
Yoke Mount



Slipfitter



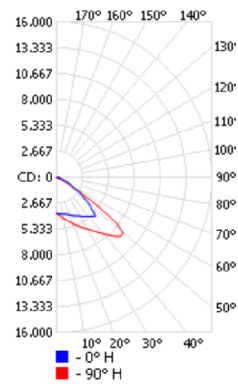
Pole Mount



## Photometric Data

LSA2-150-MV-850 Tested in accordance to IESNA LM-79

## Polar Candela Curve



## Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,396.30	21.10%	21.20%
0-40	6,201.30	38.60%	38.70%
0-60	14,019.30	87.20%	87.50%
60-90	2,000.50	12.40%	12.50%
0-90	16,019.80	99.70%	100%

## Coefficients of Utilization

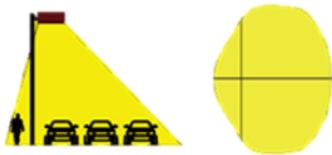
RCC %:					Effective Floor Cavity Reflectance 20%				
80					70				
RW %:	70	50	30	0	70	50	30	0	50
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1	1.11
1	1.09	1.05	1.01	0.98	1.07	1.03	0.99	0.86	0.99
2	1	0.92	0.85	0.8	0.97	0.9	0.84	0.73	0.87
3	0.91	0.8	0.72	0.66	0.88	0.79	0.71	0.62	0.76
4	0.82	0.7	0.62	0.55	0.8	0.69	0.61	0.52	0.67
5	0.75	0.62	0.53	0.47	0.73	0.61	0.53	0.44	0.59
6	0.69	0.55	0.46	0.4	0.67	0.54	0.46	0.38	0.53
7	0.63	0.5	0.41	0.34	0.62	0.49	0.4	0.33	0.47
8	0.59	0.45	0.36	0.3	0.57	0.44	0.36	0.29	0.43
9	0.54	0.41	0.32	0.26	0.53	0.4	0.32	0.26	0.39
10	0.51	0.37	0.29	0.24	0.49	0.37	0.29	0.23	0.36

## Nema Light Patterns

Type III



Type IV



Type V



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