

# VoltaLED

◆ The G10 Area Light is the latest generation Area Light Lighting, it is highly cost effective, offers complete configurations. The G10 delivers 11000lm to 48000lm lumen, which can replace 250W to 1000W HID luminaries.

◆ The whole family includes three different sizes, Slipfitter mounts, square or round pole mounts, arm and Yoke mounts are available.

- Photocell, motion sensor and external light control shield are also available

## Features

### Construction

The G10 area light features a rugged die-cast aluminum body that uses heat sink and flow-through designed to provide optimal thermal management that both enhances LED performance and extends component life. The light housing is sealed against moisture and environmental contaminants. 3G vibration rated compact design minimizes wind load requirements. Low EPA, allowing pole optimization.

### Electrical:

Universal 120-277VAC, 120-347VAC or 277-480VAC input voltage

- ◆ Standard with 1-10V dimmable Power

Factor :  $\geq 0.95$

- ◆ THD  $\leq 20\%$

10-20KV Surge Protector

- ◆ Light engines are available in 3000K, 4000K, 5000K or 5700K (70 CRI) configurations

- ◆ High Lumen : 155lmns/W



Options :

- ◆ Type III, IV, V distributions optional

### Finish :

- ◆ Dark bronze is standard. Black, white and gray optional

### Ambient Temperature:

- ◆ 40° F (-40° C) to 113° F (45° C)

### Listing :

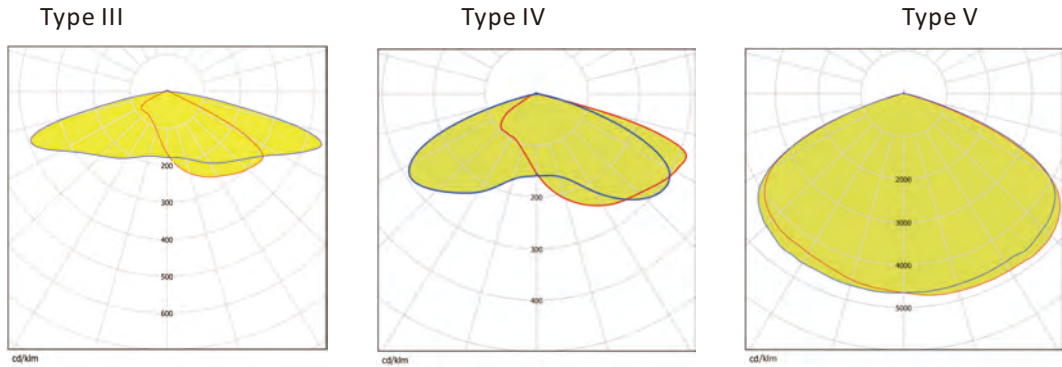
- ◆ UL Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. Design Lights Consortium (DLC) Premium qualified product and DLC qualified product.

### Warranty :

- ◆ 5-years limited warranty.




CODE	WATTAGE	VOLTAGE	DISTRIBUTION		
			TYPE	CCT	LUMENS
V71	80W/100W/120W/150W	100-277V	T3	5000K	155 Lmns/W
V72	170W/200W/220W/240W	100-277V	T3	5000K	155 Lmns/W
V73	240W/260W/280W/310W	100-277V	T3	5000K	155 Lmns/W
V76	80W/100W/120W/150W	277-480V	T3	5000K	155 Lmns/W
V77	240W/260W/280W/310W	277-480V	T3	5000K	155 Lmns/W

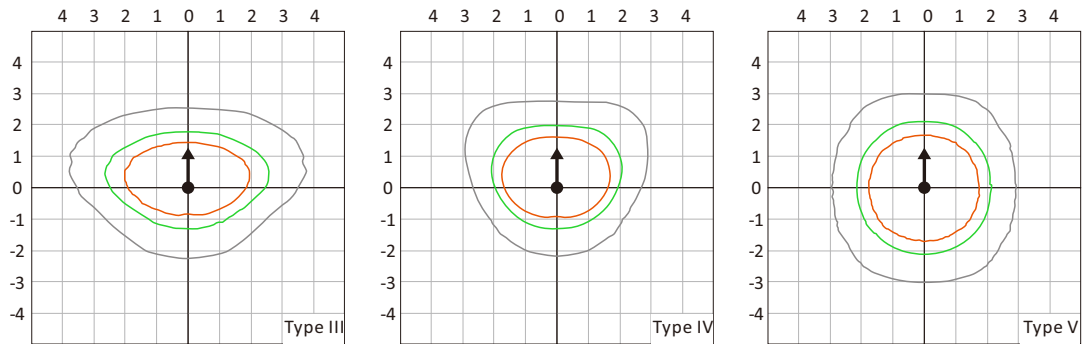
## Photometric Diagrams



Isofootcandle plots for the 150W-5000K. Distances are in units of mounting height(30')

### LEGEND

-  0.1 fc
-  0.5 fc
-  1.0 fc

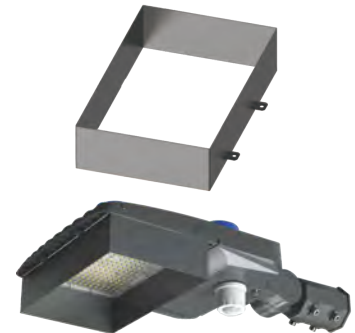


## Accessories

### Glare Shield



External Half Glare Shield



External 360 Full Visor

### Control Options



Photocell

120-277V/120-347V/208-480V



Shorting Cap



PIR Motion Sensor

12V



Surge Protection Device

120-277V/347-480V

The SPD is included as standard for wattage from 150W and higher

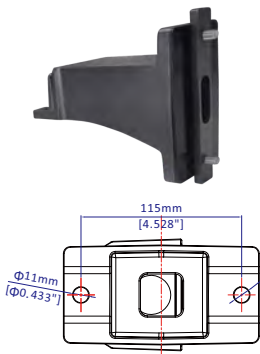
## EPA (Square and round pole arm)

\*Includes luminaire and integral mounting arm. Custom tenons, arms, brackets or other accessories are not included in this EPA data

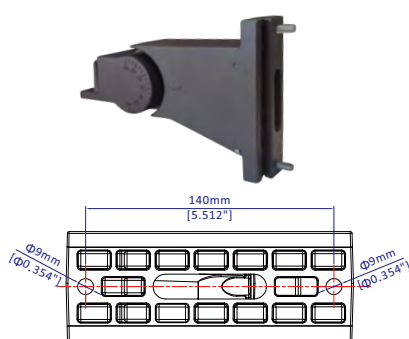
Mounting Type	Tilt	EPA(ft <sup>2</sup> )								
		Single	2@90	2@180	3@90	3@120	4@90	2 Side by Side	3 Side by Side	4 Side by Side
80W 100W 120W 150W	0°	0.23	0.41	0.42	0.60	0.54	0.80	0.46	0.69	0.91
	10°	0.18	0.35	0.35	0.53	0.46	0.69	0.35	0.53	0.71
	20°	0.17	0.34	0.34	0.51	0.44	0.67	0.34	0.52	0.69
	30°	0.21	0.37	0.39	0.54	0.48	0.74	0.42	0.64	0.85
	40°	0.27	0.40	0.45	0.58	0.55	0.80	0.54	0.81	1.08
	45°	0.30	0.42	0.50	0.60	0.58	0.83	0.61	0.91	1.21
	50°	0.45	0.61	0.72	0.87	0.85	1.21	0.89	1.34	1.79
	60°	0.73	0.99	1.19	1.41	1.39	1.96	1.47	2.20	2.94
	70°	0.95	1.38	1.57	1.96	1.90	2.74	1.90	2.86	3.81
170W 200W 240W	80°	1.13	1.71	1.89	2.45	2.36	3.40	2.26	3.40	4.53
	90°	1.28	1.99	2.18	2.86	2.77	3.96	2.57	3.85	5.14
	0°	0.25	0.44	0.46	0.65	0.58	0.87	0.50	0.75	0.99
	10°	0.19	0.38	0.38	0.57	0.50	0.75	0.38	0.58	0.77
	20°	0.19	0.37	0.37	0.55	0.48	0.73	0.37	0.56	0.75
	30°	0.23	0.40	0.43	0.59	0.53	0.80	0.46	0.69	0.92
	40°	0.29	0.44	0.49	0.63	0.60	0.87	0.59	0.88	1.17
	45°	0.33	0.45	0.54	0.66	0.63	0.90	0.66	0.99	1.32
	50°	0.49	0.66	0.79	0.95	0.93	1.31	0.97	1.46	1.94
240W 260W 280W 310W	60°	0.80	1.08	1.29	1.54	1.51	2.13	1.60	2.39	3.20
	70°	1.04	1.50	1.70	2.13	2.07	2.97	2.07	3.11	4.14
	80°	1.23	1.86	2.05	2.66	2.57	3.70	2.46	3.69	4.92
	90°	1.39	2.16	2.37	3.11	3.01	4.30	2.79	4.19	5.58
	0°	0.35	0.62	0.64	0.91	0.82	1.21	0.69	1.04	1.39
	10°	0.27	0.54	0.53	0.80	0.69	1.06	0.54	0.81	1.08
	20°	0.26	0.52	0.52	0.77	0.67	1.02	0.52	0.79	1.05
	30°	0.32	0.56	0.60	0.83	0.74	1.12	0.64	0.97	1.29
	40°	0.41	0.61	0.68	0.88	0.84	1.21	0.82	1.23	1.64
310W	45°	0.46	0.63	0.76	0.92	0.89	1.26	0.92	1.38	1.85
	50°	0.68	0.93	1.10	1.32	1.30	1.84	1.36	2.04	2.72
	60°	1.12	1.51	1.81	2.15	2.12	2.99	2.24	3.35	4.47
	70°	1.45	2.09	2.38	2.99	2.90	4.16	2.90	4.35	5.79
	80°	1.72	2.60	2.88	3.72	3.60	5.18	3.44	5.17	6.89
90°	1.95	3.02	3.32	4.35	4.22	6.03	3.91	5.86	7.82	

## Mounting Information

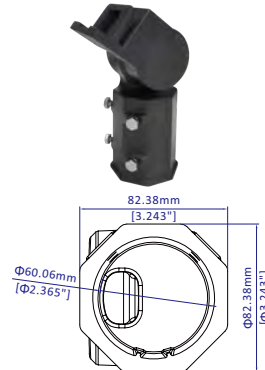
Square & Round Pole Mount



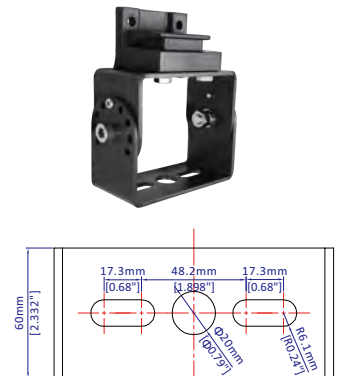
Adjustable Square & Round Pole Mount



Slip Fitter Mount

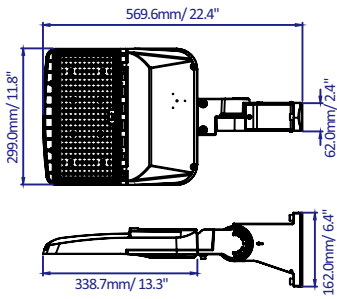


Trunnion Mount



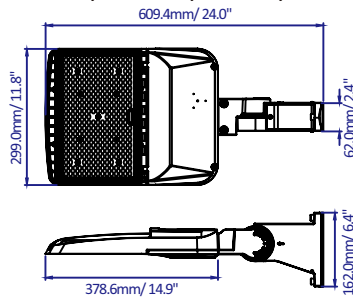
# Dimensions & Weight

## 80W/ 100W/120W/ 150W



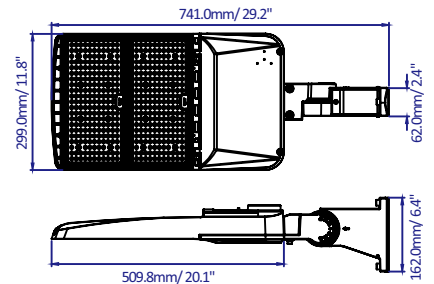
Net Weight: 4.4kgs/9.7Lbs

## 170W/ 200W /220W/ 240W

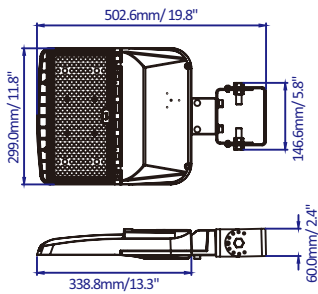


Net Weight: 4.7kgs/10.4Lbs

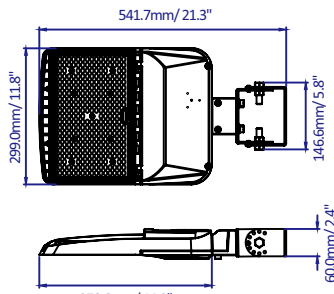
## 240W/ 260W /280W/ 310W



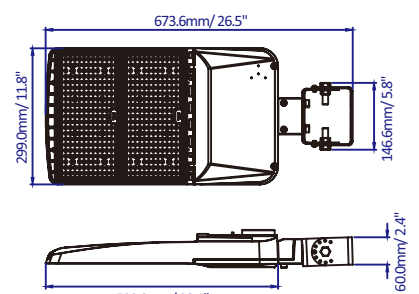
Net Weight: 6kgs/13.2Lbs



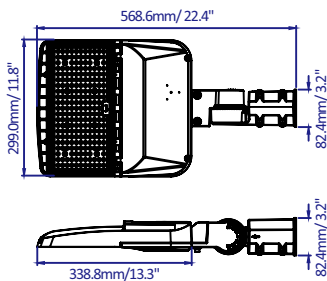
Net Weight: 4.4kgs/9.7Lbs



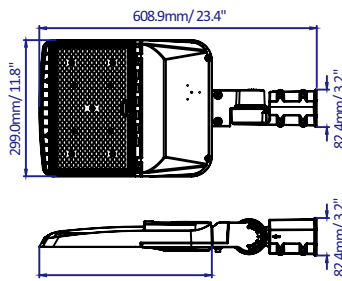
Net Weight: 4.7kgs/10.4Lbs



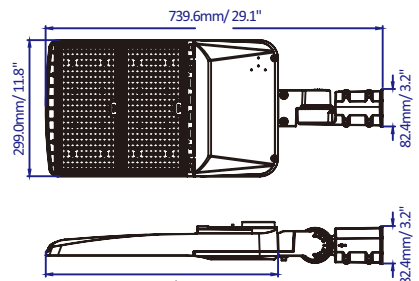
Net Weight: 6kgs/13.2Lbs



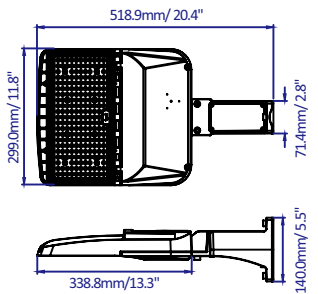
Net Weight: 4.6kgs/10.1Lbs



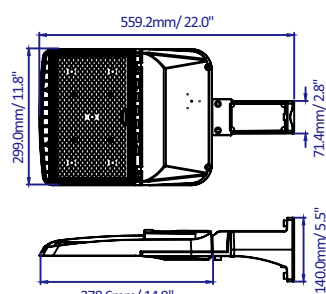
Net Weight: 4.9kgs/10.8Lbs



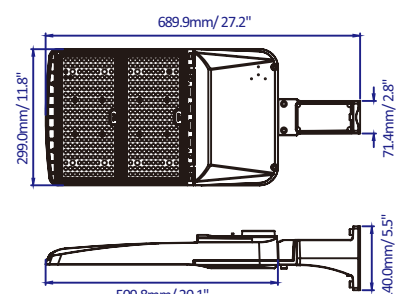
Net Weight: 6.2kgs/13.7Lbs



Net Weight: 5kgs/11.0Lbs



Net Weight: 5.3kgs/11.7Lbs



Net Weight: 6.6kgs/14.6Lbs