

AREA LIGHT

Features

Construction

- ◆ The area light features a rugged die-cast aluminium body that uses heatsink and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component's life.
- ◆ The light housing is sealed against moisture and environmental contaminants.
- ◆ 3G vibration rated compact design minimizes wind load requirements. Low EPA, allowing pole optimisation.

Electrical:

Universal 120-277VAC, 120-347VAC or

- ◆ 277-480VAC input voltage
Standard with 1-10V dimmable
- ◆ Power Factor : ≥ 0.95
THD $\leq 20\%$
- ◆ 10KV Surge Protector go standard
- ◆ Light engines are available in 3000K, 4000K,
- ◆ 5000K or 5700K (70 CRI) configurations

Information

- ◆ The Energreen Technologies area light is highly cost effective and offers complete configurations.
- ◆ The area light delivers 11000lm to 48000lm lumens, which can replace 250W to 1000W HID lumens.
- ◆ The whole family includes three different sizes, Slipfitter mount, square or round pole mount arm and Yoke mount are available
- ◆ Photocell, motion sensor and external light control shield are also available.



80W/ 100W
120W/ 150W

Wattage Tunable

240W/ 260W
280W/ 310W

Wattage Tunable



Optics:

- ◆ Type III, IV, V distributions optional

Finish:

- ◆ Dark bronze is standard, black, white and grey 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 temperature.
- ◆ DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product.

Warranty:

- ◆ 10 years limited warranty*

Ordering Guide

EXAMPLE:EGTSBX(240/260/280/310)WHV30KT3SFDPS

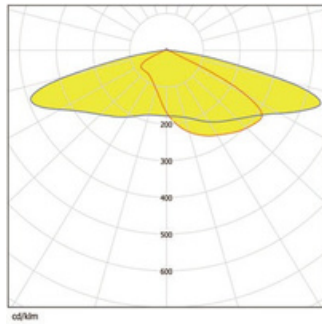
Brand XALH	Product name	Wattage XXXW	Input Voltage AA	CCT XXK	Dist.Type Y	Mount Y	Finish Y	Photocontrol Y	Sensor Y
EGT	SBX	(80/100/120/150)W (240/260/280/310)W	HL=120-347V	4K/	T3=Type III T4=Type IV T5=Type V	SF=Slipfitter Mount PA=Square and Round Pole Mount Arm TR=Trunnion Mount	D=Dark Bronze	Blank=without Photocell P=with Photocell	S=with Motion Sensor Blank=without Motion Sensor

Specification

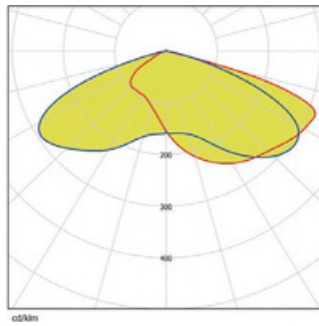
System Watts	Voltage	Distribution Type	4000K/5000K/5700K, 70CRI					3000K, 70CRI				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
80W	120-277V	T3	12,240	3	0	3	153	11,077	3	0	3	138
		T4	12,080	3	0	2	151	10,932	3	0	2	137
		T5	12,400	3	0	1	155	11,222	3	0	1	140
	120-347V	T3	12,400	3	0	3	155	11,222	3	0	3	140
		T4	12,240	3	0	2	153	11,077	3	0	2	138
		T5	12,560	3	0	1	157	11,367	3	0	1	142
	277-480V	T3	12,240	3	0	3	153	11,077	3	0	3	138
		T4	12,080	3	0	2	151	10,932	3	0	2	137
		T5	12,400	3	0	1	155	11,222	3	0	1	140
100W	120-277V	T3	15,300	3	0	3	153	13,847	3	0	3	138
		T4	15,100	3	0	2	151	13,666	3	0	2	137
		T5	15,500	3	0	1	155	14,028	3	0	1	140
	120-347V	T3	15,500	3	0	3	155	14,028	3	0	3	140
		T4	15,300	3	0	2	153	13,847	3	0	2	138
		T5	15,700	3	0	1	157	14,209	3	0	1	142
	277-480V	T3	15,300	3	0	3	153	13,847	3	0	3	138
		T4	15,100	3	0	2	151	13,666	3	0	2	137
		T5	15,500	3	0	1	155	14,028	3	0	1	140
150W	120-277V	T3	22,650	3	0	3	151	20,498	3	0	3	137
		T4	22,350	3	0	3	149	20,227	3	0	3	135
		T5	22,950	4	0	2	153	20,770	4	0	2	138
	120-347V	T3	22,950	3	0	3	153	20,770	3	0	3	138
		T4	22,650	3	0	3	151	20,498	3	0	3	137
		T5	23,250	4	0	2	155	21,041	4	0	2	140
	277-480V	T3	22,650	3	0	3	151	20,498	3	0	3	137
		T4	22,350	3	0	3	149	20,227	3	0	3	135
		T5	22,950	4	0	2	153	20,770	4	0	2	138
200W	120-277V	T3	30,400	4	0	4	152	27,512	4	0	4	138
		T4	30,000	4	0	3	150	27,150	4	0	3	136
		T5	30,800	5	0	2	154	27,874	5	0	2	139
	120-347V	T3	30,800	4	0	4	154	27,874	4	0	4	139
		T4	30,400	4	0	3	152	27,512	4	0	3	138
		T5	31,200	5	0	2	156	28,236	5	0	2	141
	277-480V	T3	30,400	4	0	4	152	27,512	4	0	4	138
		T4	30,000	4	0	3	150	27,150	4	0	3	136
		T5	30,800	5	0	2	154	27,874	5	0	2	139
240W	120-277V	T3	36,240	4	0	4	151	32,797	4	0	4	137
		T4	35,760	4	0	3	149	32,363	4	0	3	135
		T5	36,720	5	0	2	153	33,232	5	0	2	138
	120-347V	T3	36,720	4	0	4	153	33,232	4	0	4	138
		T4	36,240	4	0	3	151	32,797	4	0	3	137
		T5	37,200	5	0	2	155	33,666	5	0	2	140
	277-480V	T3	36,240	4	0	4	151	32,797	4	0	4	137
		T4	35,760	4	0	3	149	32,363	4	0	3	135
		T5	36,720	5	0	2	153	33,232	5	0	2	138
310W	120-277V	T3	46,810	4	0	4	151	42,363	4	0	4	137
		T4	46,190	4	0	3	149	41,802	4	0	3	135
		T5	47,430	5	0	2	153	42,924	5	0	2	138
	120-347V	T3	47,430	4	0	4	153	42,924	4	0	4	138
		T4	46,810	4	0	3	151	42,363	4	0	3	137
		T5	48,050	5	0	2	155	43,485	5	0	2	140
	277-480V	T3	46,810	4	0	4	151	42,363	4	0	4	137
		T4	46,190	4	0	3	149	41,802	4	0	3	135
		T5	47,430	5	0	2	153	42,924	5	0	2	138

Photometric Diagrams

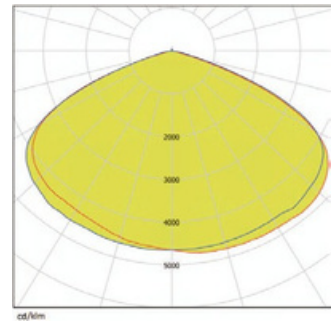
Type III



Type IV

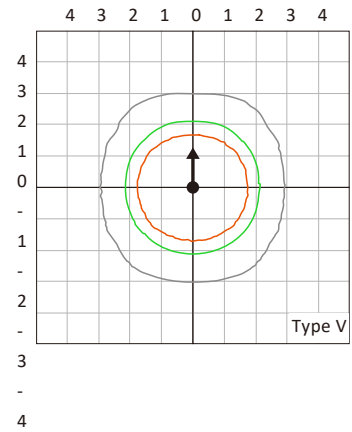
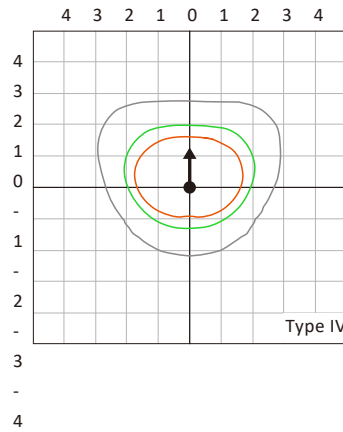
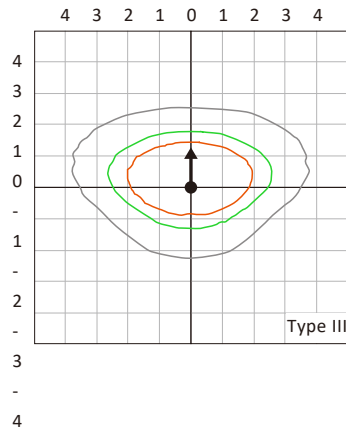


Type V



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

LEGEND



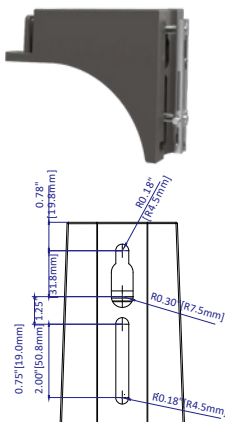
EPA (Square and round pole arm)

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not including this EPA data

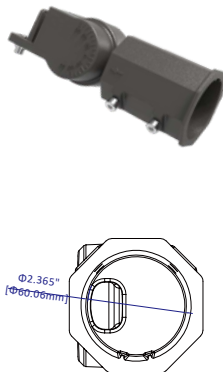
Mounting Type	Tilt	EPA()								
		Single	2@90	2@180	3@90	3@120	4@90	2 Side by Side	3 Side by Side	4 Side by Side
										
80W 100W 150W	0°	0.23	0.41	0.42	0.60	0.54	0.80	0.46	0.69	0.91
	10°	0.18	0.35	0.35	0.53	0.46	0.69	0.35	0.53	0.71
	20°	0.17	0.34	0.34	0.51	0.44	0.67	0.34	0.52	0.69
	30°	0.21	0.37	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
	80°	1.13	1.71	1.89	2.45	2.36	3.40	2.26	3.40	4.53
200W 240W	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
	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
310W	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
	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

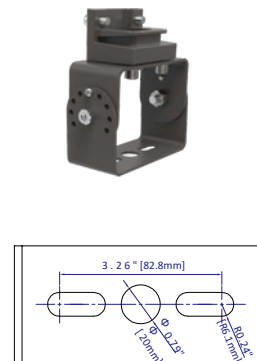
Square & Round Pole Mount



Slip Fitter Mount

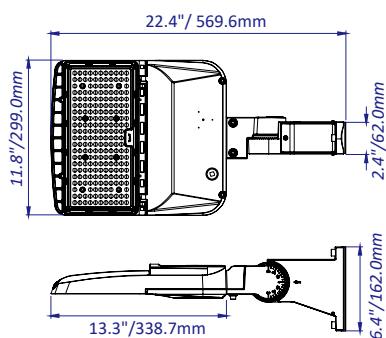


Trunnion Mount

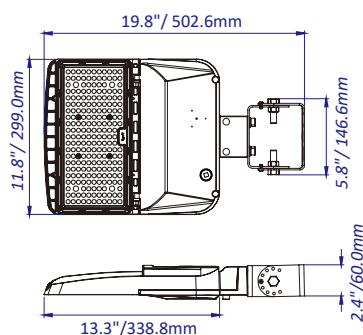


Dimensions & Weight

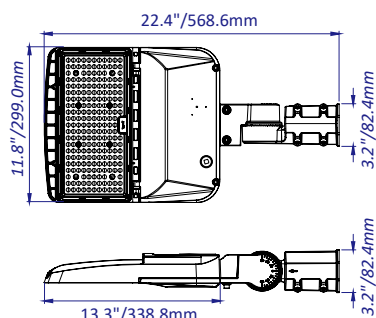
80W / 100W / 120W / 150W



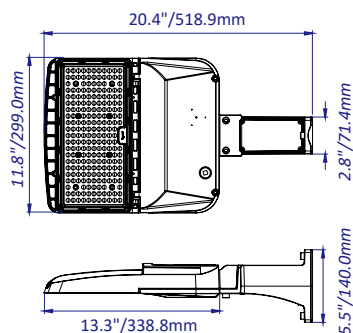
Net Weight: 9.7Lbs/4.4kgs



Net Weight: 9.7Lbs/4.4kgs

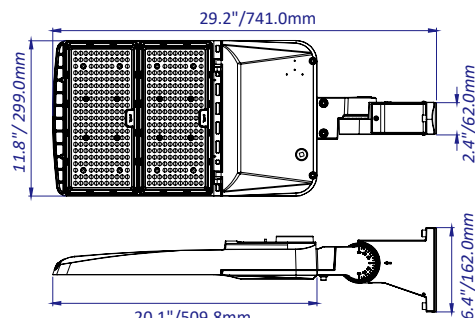


Net Weight: 10.1Lbs/4.6kgs

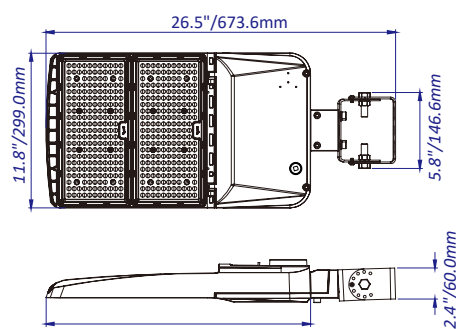


Net Weight: 11.0Lbs/5kgs

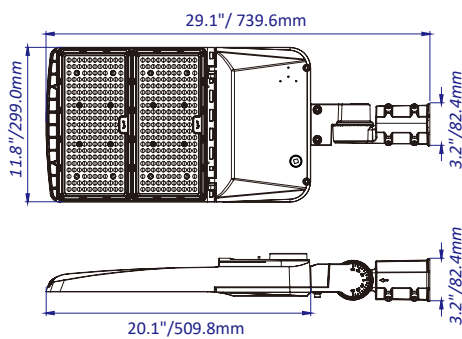
240W / 260W / 280W / 310W



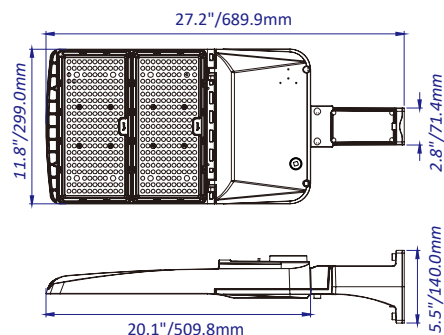
Net Weight: 13.2Lbs/6kgs



Net Weight: 13.2Lbs/6kgs



Net Weight: 13.7Lbs/6.2kgs



Net Weight: 14.6Lbs/6.6kgs