

Introduction

- ◆ The LEDVFXL is latest Flood Light from Lighting, it is highly cost effective, and offers different configurations. The LEDVFXL delivers 11000lm to 48000lm lumens, which can replace 250W plus to 1500W HID luminaires.
- ◆ The whole family includes two different sizes, Slipfitter mount, square or round pole mount tenon/ arm and trunnion flat surface mount are available.
- ◆ Photocell, motion sensor and external photo light control shield are also available.

- Brings Shorting Cap.

Features

Construction

- ◆ The LEDVFXL flood light features a rugged die-cast aluminum body that uses heatsink and flow-through venting 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, or 480VAC

277-480VAC input voltage

- ◆ Standard with 1-10V dimmable

Power Factor : ≥0.95

- ◆ THD≤20%

10KV Surge Protector installed standard

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



50W/80W/
100W 120W/
150W

LEDVFXL50-150UNV-50K



240W/ 260W
280W/ 310W

LEDVFXL240-310UNV-50K



LISTED
E357402

Optics type

- ◆ Type III, distribution.

Finish:

- ◆ Dark bronze is standard.

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. DesignLights Consortium®(DLC) Premium qualified product and DLC qualified product.

Warranty:

- ◆ 1-year limited warranty.

Ordering Guide

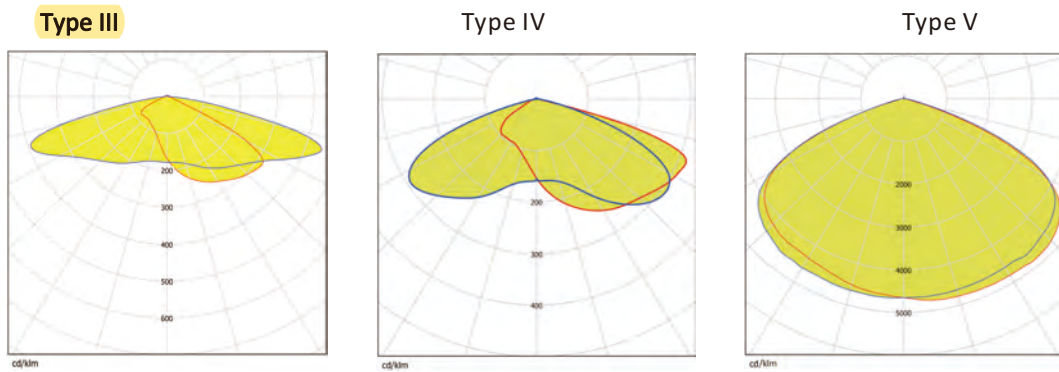
EXAMPLE:LEDVFXL(240/260/280/310)UNV-CCT

Brand	Product name	Wattage	Input Voltage	CCT	Dist.Type	Mount	Finish	Photocontrol	Sensor
Edsun	ALH	XXXW		XXK	3	SF	D	P	S
LED	VFXL	(50/80/100/120/150)W (240/260/280/310)W	UNV =120-277V 480V	50K=5000K	T3=Type III	SF=Slipfitter Mount PA=Square and Round Pole Mount Arm TR=Trunnion Mount AA=Adjustable Square and Round Pole Mount Arm	D=Dark Bronze	Blank=without Photocell PC=Photocell Optional	MS=Motion Sensor

Specification

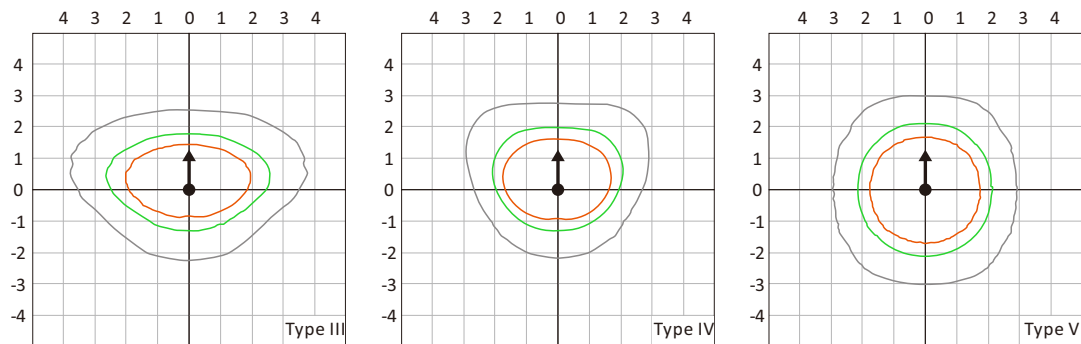
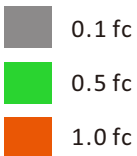
System Watts	Voltage	Distribution Type	4000K/5000K/5700K, 70CRI					3000K, 70CRI				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
80W MH320 Replacement	120-277V	T3	12,240	3	0	3	153	11,077	3	0	3	138
		T4	12,080	3	0	2	151	10,932	3	0	2	137
		T5	12,400	3	0	1	155	11,222	3	0	1	140
			12,400	3	0	3	155	11,222	3	0	3	140
			12,240	3	0	2	153	11,077	3	0	2	138
			12,560	3	0	1	157	11,367	3	0	1	142
	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 MH400 Replacement	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
			15,500	3	0	3	155	14,028	3	0	3	140
			15,300	3	0	2	153	13,847	3	0	2	138
			15,700	3	0	1	157	14,209	3	0	1	142
	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 MH575 Replacement	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
			22,950	3	0	3	153	20,770	3	0	3	138
			22,650	3	0	3	151	20,498	3	0	3	137
			23,250	4	0	2	155	21,041	4	0	2	140
	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 MH1000 Replacement	120-277V	T3 MH1000 Replacement	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
			30,800	4	0	4	154	27,874	4	0	4	139
			30,400	4	0	3	152	27,512	4	0	3	138
			31,200	5	0	2	156	28,236	5	0	2	141
	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 MH1250 Replacement	120-277V	T3 MH1250 Replacement	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
			36,720	4	0	4	153	33,232	4	0	4	138
			36,240	4	0	3	151	32,797	4	0	3	137
			37,200	5	0	2	155	33,666	5	0	2	140
	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 MH1500 Replacement	120-277V	T3 MH1500 Replacement	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
			47,430	4	0	4	153	42,924	4	0	4	138
			46,810	4	0	3	151	42,363	4	0	3	137
			48,050	5	0	2	155	43,485	5	0	2	140
	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



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

LEGEND



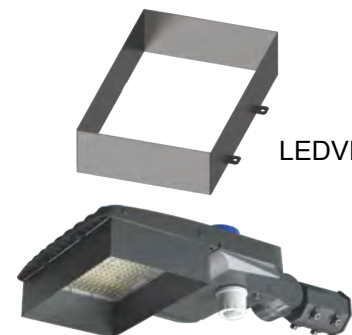
Accessories

Glare Shield



External **Half** Glare Shield

LEDVFXLGSF



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

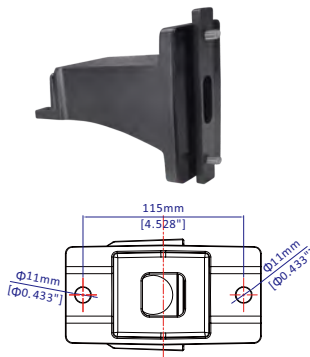
EPA (Square and round pole arm)

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

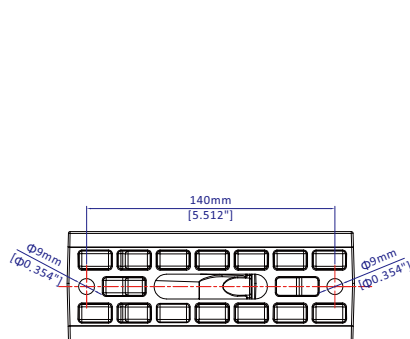
Mounting Type	Tilt	EPA(ft ²)								
		Single	2@90	2@180	3@90	3@120	4@90	2 Side by Side	3 Side by Side	4 Side by Side
										
80W 100W 150W	0°	0.23	0.41	0.42	0.60	0.54	0.80	0.46	0.69	0.91
	10°	0.18	0.35	0.35	0.53	0.46	0.69	0.35	0.53	0.71
	20°	0.17	0.34	0.34	0.51	0.44	0.67	0.34	0.52	0.69
	30°	0.21	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	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
	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
310W	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
	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

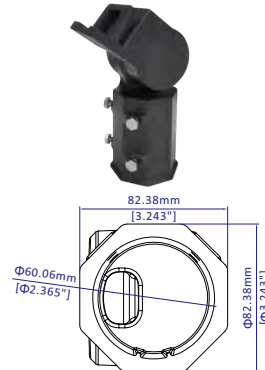
Square & Round Pole Mount



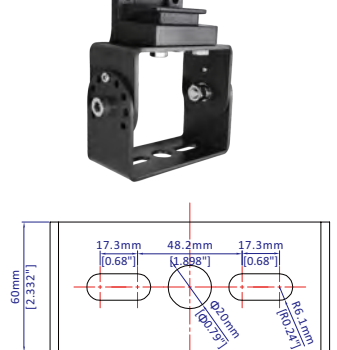
Adjustable Square & Round Pole Mount



SF: Slip Fitter Mount



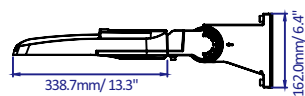
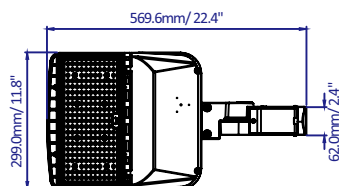
TR: Trunnion Mount



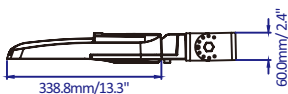
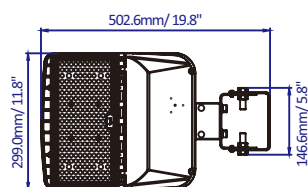
Dimensions & Weight

LEDVFXL50-150

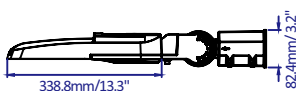
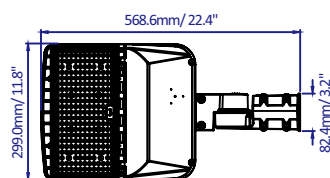
80W/ 100W/120W/ 150W



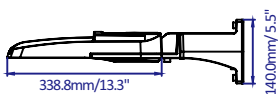
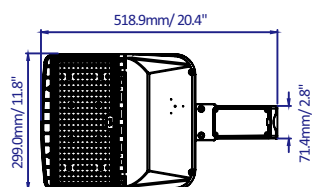
Net Weight: 4.4kgs/9.7Lbs



Net Weight: 4.4kgs/9.7Lbs



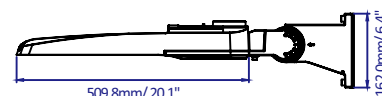
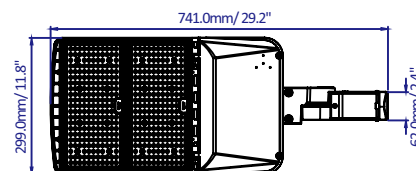
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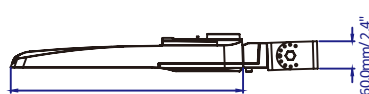
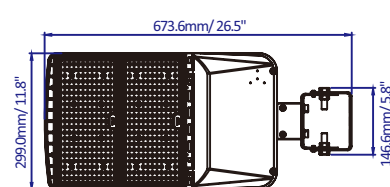
Net Weight: 5kgs/11.0Lbs

LEDVFXL240-310

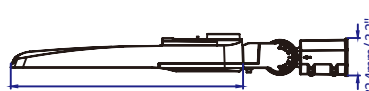
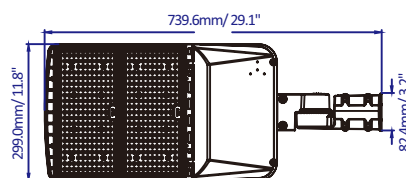
240W/ 260W /280W/ 310W



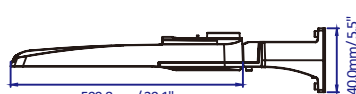
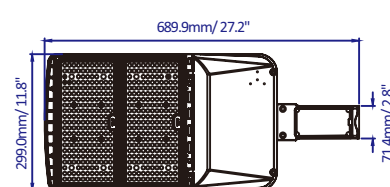
Net Weight: 6kgs/13.2Lbs



Net Weight: 6kgs/13.2Lbs



Net Weight: 6.2kgs/13.7Lbs



Net Weight: 6.6kgs/14.6Lbs