

Project:	
Type:	
Catalog # :	

FME Lighting | 877 - 234 - 8460 | info@fmelighting.com



IP65



Size A



Size B

SPECIFICATIONS

VOLTAGE	120-277V, 200-480V, 347-480V
WATTAGE	350W, 505W, 600W, 500W, 600W, 650W, 850W
COLOR TEMP	4000K, 5000K, 5700K Kelvins
OPERATING TEMP	-40°C to 55°C (-40°F to 131°F)
HOUSING	Sealed die-cast Aluminum Alloy
LENS	Polycarbonate
THD	≤20%
POWER FACTOR	≥90%
CRI	Ra70/Ra80/Ra90
LED LIFESPAN	100,000-hour
DIMMING	1-10V Dimming
PROTECTION	IP65 Surge Suppression: max.20KV @120-277V(.40KV @277-480V)
WARRANTY	10 Year Limited Warranty

KEY FEATURES

- **High Efficiency:** Features superior high output, from 49,000 to 118,000 Lumens (133 lm/W to 146 lm/W). Estimated 100,000 hours of LED lifespan based on standardized testing.
- **Versatile Installation:** Comes standard with trunnion Mounting bracket for hassle-free installation. Optional 2 3/8" tennon yoke adaptor.
- **Robust and Durable:** The housing is sealed against moisture and dust, rated IP65. Includes built-in surge suppression to protect against electrical spikes with max 20KV (210/277V, 4KV on 277/480V)..
- **Outdoor Applications:** Ideal for General and security lighting for large areas

Port and rail centers, Airport apron, Interior or exterior sports

LUMENS, OPTICS & DIMENSIONS

*See Page 3 for All Photometry Diagrams.

*See Page 2 for All Dimensions Diagrams.

ACCESSORIES



Yoke Adaptor (Option)
YA
a 2 3/8" tennon with Yoke adapter.



Glare Control Shield
GCS
(Optional for large size)



Integrated Control (Option)
C



Black Top Visor (Default)



Aiming Sight

ORDERING INFORMATION

ORDERING GUIDE

Series	Type Size	Wattage	Voltage	CCT	NEMA	Mounting	Accessories
LSL-5	A = Small	35 = 350W	LV = 120-277V	S = 4000K	33 = 3Hx3V ²	TR = Trunnion Mount (Standard)	C = Integrated Controls
		50 = 505W	MV = 200-480V ¹	I = 5000K	44 = 4Hx4V	YM = Yoke Mount	GCS = Glare Control Shield
		60 = 600W	HV = 347-480V	C = 5700K	55 = 5Hx5V ³		
	B = Large	50 = 500W			66 = 6Hx6V ³		
		65 = 650W ¹					
		85 = 850W					
		60 = 600W					

Notes:

¹ 650W only suitable for 200-480V input.

² 3Hx3V is only suit for large size (B), please contact factory for availability on the small size (A).

³ Please contact factory for availability 5Hx5V/6Hx6V

FEATURES

Construction

- Sealed die-casting profile for outdoor applications
- Low profile, 3G vibration rated compact design minimizes wind load requirements.
- Housing is completely sealed against moisture and environmental contaminants (IP65).

Optics

- Available in NEMA 3Hx3V, 4Hx4V, 5Hx5V, 6Hx6V distributions.
- Light engines are available in standard 4000K, 5000K and 5700 K (70/80/90 CRI) configurations.
- Scalable Lumen Packages from 49,500 to 118,000 Lumens.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.

Electrical

- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 0-10V dimming driver(s)
- Built in surge suppression with max.20KV @120-277V(Max.40KV @277-480V).
- THD: $\leq 20\%$
- Power Factor: $\geq 90\%$

Ambient Temperature

Ambient operating temperature - 40°C to 55°C (-40°F to 131°F).

Lifespan

Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Note

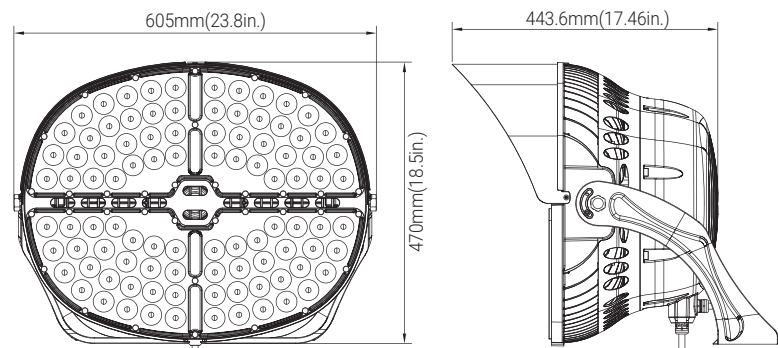
- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C($\pm 5^\circ\text{C}$) specifications subject to change without notice.

Certifications

- DesignLights Consortium™ Qualified.
- UL cUL wet location listed.

DIMENSIONS

Large Size B: 500W, 650W & 850W



Net Weight

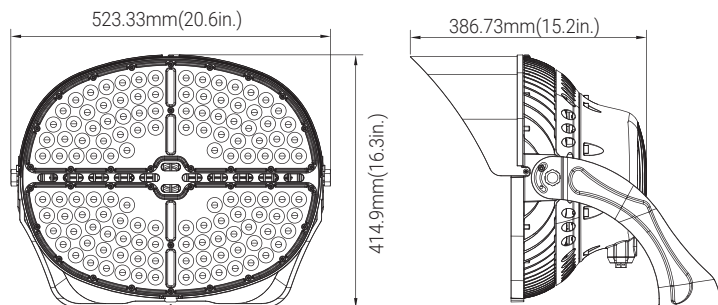
500W:56.30 lb

600W:56.30 lb

650W:63.47 lb

850W:63.47 lb

Small Size A: 350W, 505W & 600W



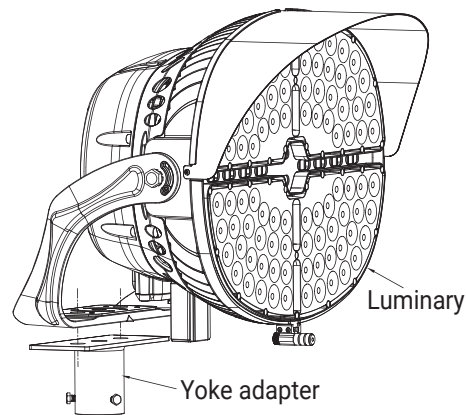
Net Weight

350W:37.56 lb

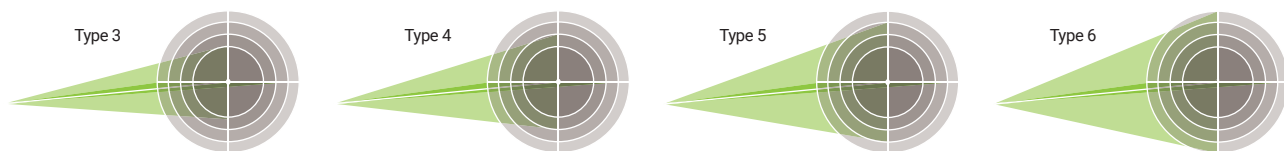
505W:39.26 lb

600W:40.99 lb

Yoke Adaptor



PHOTOMETRY



PERFORMANCE DATA

SIZE	SYSTEM WATTS	VOLTAGE	NEMA	EPA	CRI	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)	LUMENS (5700K)	LPW (5700K)
A-Small Size	350W	120-277V/347-480V	4Hx4V	1.8911	70	51000lm	146 lm/W	51000lm	146 lm/W	49500lm	141 lm/W
A-Small Size	505W	120-277V/347-480V	4Hx4V	1.8911	70	70000lm	139 lm/W	70000lm	139 lm/W	68000lm	135 lm/W
A-Small Size	600W	120-277V/347-480V	4Hx4V	1.8911	70	82000lm	137 lm/W	82000lm	137 lm/W	80000lm	133 lm/W
B-Large Size	500W	120-277V/347-480V	4Hx4V	2.5471	70	71000lm	142 lm/W	71000lm	142 lm/W	69000lm	138 lm/W
			3Hx3V	2.5471	70	68160lm	136 lm/W	68160lm	136 lm/W	66240lm	132 lm/W
B-Large Size	600W	120-277V/347-480V	4Hx4V	2.5471	70	84000lm	140 lm/W	84000lm	140 lm/W	82000lm	137 lm/W
			3Hx3V	2.5471	70	80640lm	134 lm/W	80640lm	134 lm/W	78720lm	131 lm/W
B-Large Size	650W	277-480V	4Hx4V	2.5471	70	91000lm	140 lm/W	91000lm	140 lm/W	88000lm	135 lm/W
			3Hx3V	2.5471	70	87360lm	134 lm/W	87360lm	134 lm/W	84480lm	130 lm/W
B-Large Size	850W	120-277V/347-480V	4Hx4V	2.5471	70	118000lm	139 lm/W	118000lm	139 lm/W	112000lm	132 lm/W
			3Hx3V	2.5471	70	113280lm	133 lm/W	113280lm	133 lm/W	107520lm	126 lm/W

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	2400	350	120	2.92
		350	208	1.68
		350	240	1.46
		350	277	1.26
		350	347	1.01
		350	480	0.73
1	4800	500	120	4.17
		500	208	2.40
		500	240	2.08
		500	277	1.81
		500	347	1.44
		500	480	1.04
1	2350	505	120	4.21
		505	208	2.43
		505	240	2.10
		505	277	1.82
	2500	505	347	1.46
		505	480	1.05
1	5600	600	120	5.00
		600	208	2.88
		600	240	2.50
		600	277	2.17
	5200	600	347	1.73
		600	480	1.25
1	5200	650	277	2.35
		650	347	1.87
		650	480	1.35
1	5500	850	120	7.08
		850	208	4.09
		850	240	3.54
		850	277	3.07
		850	347	2.45
		850	480	1.77