

Description

Designed for high-output and high-efficiency performance, Luminoso LED's spotlight series is the perfect solution for outdoor sports lighting applications. Whether for municipal fields, school grounds, or semi-professional sports venues, this series delivers powerful illumination with precision. Its advanced dynamic thermal management system ensures long-lasting performance and durability, making it ideal for high-demand environments.

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 5700K configurations.
- Lumen package from 72,000 to 120,000 Lumens.
- Optics is precisely designed to shape the distribution, maximizing efficiency & application spacing.

Electrical

- Input voltage: 120-277VAC or 200-480VAC.
- Standard with 0-10V dimming driver(s).
- Built in surge protector max.20KV at 120-277V or max.40KV at 277-480V.
- THD: <20%
- Power Factor: >90%

Ambient Temperature

- Operating temperature: -40°F to 122°F (-40°C to 50°C)

Lifespan

- Estimated 100,000-hours LED lifespan based on ILM-80 results & TM-21 calculations.

Note

- Actual performance may differ as a result of end-user environment & application. All values are design or typical values, measured under laboratory conditions at 77°F (+41°F).

Certifications

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

Project:	Date
Type:	
Model:	



LG: 850W



SM: 505W & 600W

ORDER INFORMATION

EXAMPLE: LSL-600W-HV-50K-4HX4V-BK



Series	Wattage	Voltage	CCT	Mount Accessory	Shroud	Aiming Sight	Finish
LSL-SM Sports Light	505W	Y 120-277V (505W ONLY)*	40K 4000K	Blank None	Blank None	Blank None	BK Black
	600W	HV 200-480V	50K 5000K	YKA Yoke Adapter	SH Shroud	AS Aiming Sight	
LSL-LG Sports Light	850W	HV 200-480V	57K 5700K				

Enter configuration:

* 120-277V available for 505W ONLY / ** 6-8 Weeks

Dimensions and values shown are nominal. LuminosoLED continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

PERFORMANCE DATA

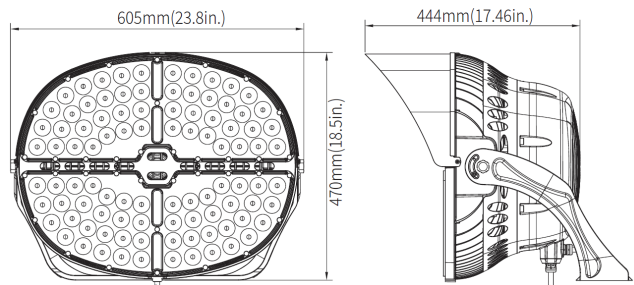
MODEL	WATTS	VOLTAGE	NEMA	EPA	CRI	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)	LUMENS (5700K)	LPW (5700K)
LSL-SM Sports Light	505W	120-277V / 200-480V	4Hx4V	0.8218	70	70,168lm	139 lm/W	72,000lm	143 lm/W	68,226lm	135 lm/W
			3Hx3V	0.8218	70	72,000lm	143 lm/W	72,000lm	143 lm/W	72,000lm	143 lm/W
LSL-SM Sports Light	600W	200-480V	4Hx4V	0.8218	70	86,203lm	144 lm/W	90,000lm	150 lm/W	82,300lm	137 lm/W
			3Hx3V	0.8218	70	90,000lm	150 lm/W	90,000lm	150 lm/W	90,000lm	150 lm/W
LSL-LG Sports Light	850W	200-480V	4Hx4V	1.2413	70	117,690lm	138 lm/W	120,000lm	141 lm/W	110,520lm	130 lm/W
			3Hx3V	1.2413	70	120,000lm	141 lm/W	120,000lm	141 lm/W	120,000lm	141 lm/W

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1300	505	120	4.21
		505	208	2.43
		505	240	2.10
		505	277	1.82
		505	347	1.46
		505	480	1.05
1	1200	600	208	2.88
		600	240	2.50
		600	277	2.17
		600	347	1.73
		600	480	1.25
1	2800	850	208	4.09
		850	240	3.54
		850	277	3.07
		850	347	2.45
		850	480	1.77

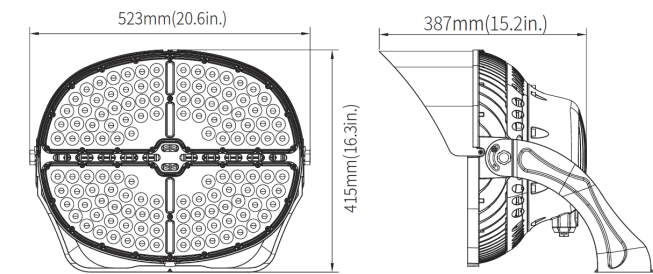
DIMENSIONS

Large Size: 850W



Net Weight:
850W:63.47 lb

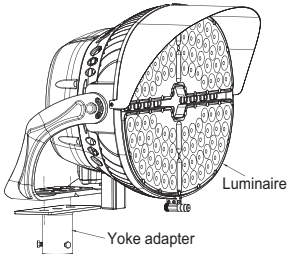

Small Size: 505W & 600W



Net Weight:
505W:39.26 lb 600W:40.99 lb

ACCESSORIES

		
Shroud	Glare Control Shield Optional for 850W ONLY	Aiming Sight

	
Another optional easy installation is provided to apply the fixture on a 2 3/8" tennon with Luminoso LED's Yoke adapter.	Yoke Adapter