



DESCRIPTION

By providing superior high output and high efficiency, Sports light series is the ideal solution for outdoor sports lighting such as municipal, school and semi-professional outdoor sports lighting. Dynamic thermal management design maximizes heat dissipation and significantly improves the life of luminaires. Built-in surge suppression adds an extra layer of protection to the luminaire driver. Versatile mounting bracket for hassle-free installation.



SPECIFICATION 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 4000 K, 5000K and 5700 K (70/80/90 CRI) configurations.
- Scalable Lumen Packages from 72,000 to 160,000 Lumens.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.

Electrical

- Universal 120-277 VAC or 200-480 VAC input voltage
- Standard with 0-10V dimming driver(s)
- Built in surge suppression with max.20KV @120-277V(Max.40KV @277-480V).
- THD: ≤20%
- Power Factor: ≥90%

Ambient Temperature

- Ambient operating temperature -40°C to 50°C (-40°F to 122°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 (±5°C) specifications subject to change without notice.

Certifications

- DesignLights Consortium™ Qualified.
 - UL cUL wet location listed.
- Note: DesignLights Consortium™ Qualified and classified for DLC Premium, refer to www.designlights.org for details.

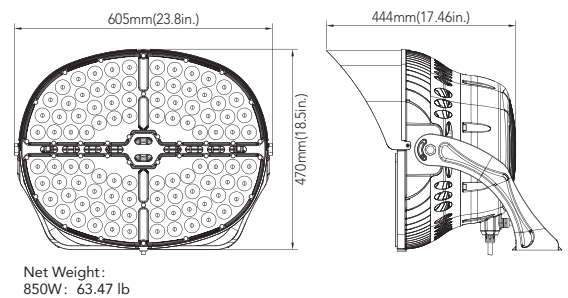
Large Size: 850W

Small Size: 505W & 600W

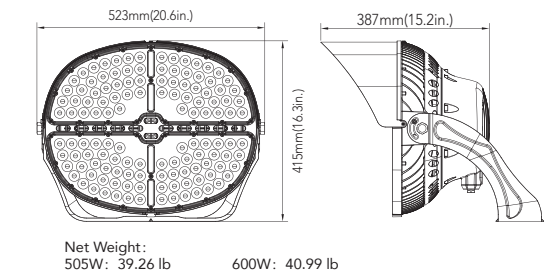


DIMENSIONS

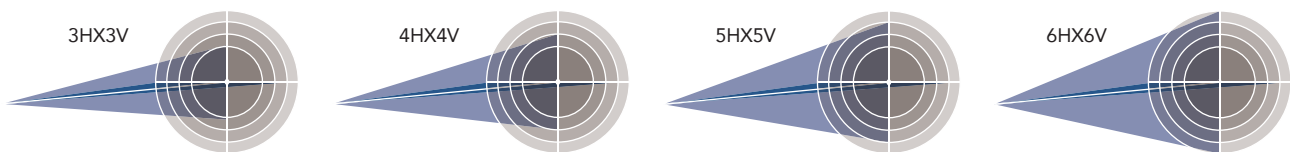
Large Size: 850W



Small Size: 505W & 600W



PHOTOMETRICS



PERFORMANCE DATA

SIZE	SYSTEM WATTS	VOLTAGE	NEMA	EPA	CRI	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)	LUMENS (5700K)	LPW (5700K)
Small Size	505W	120-277V 200-480V	4Hx4V	0.8218	70	72000 lm	143 lm/W	72000 lm	143 lm/W	72000 lm	143 lm/W
			3Hx3V	0.8218	70	72000 lm	143 lm/W	72000 lm	143 lm/W	72000 lm	143 lm/W
Small Size	600W	200-480V	4Hx4V	0.8218	70	90000 lm	150 lm/W	90000 lm	150 lm/W	90000 lm	150 lm/W
			3Hx3V	0.8218	70	90000 lm	150 lm/W	90000 lm	150 lm/W	90000 lm	150 lm/W
Large Size	850W	200-480V	4Hx4V	1.2413	70	120000 lm	141 lm/W	120000 lm	141 lm/W	120000 lm	141 lm/W
			3Hx3V	1.2413	70	120000 lm	141 lm/W	120000 lm	141 lm/W	120000 lm	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	2.1
		505	277	1.82
		505	347	1.46
		505	480	1.05
1	1200	600	208	2.88
		600	240	2.5
		600	277	2.17
		600	347	1.73
		600	480	1.25
		850	208	4.09
1	2800	850	240	3.54
		850	277	3.07
		850	347	2.45
		850	480	1.77

ORDERING GUIDE

Example:IMSL01505W27VXXKYYYYY

IUS	Fixture Type	Wattage	Voltage	CCT	Finish	Nema	Mounting	Integrated Control	Internal Code
I	MSL01 Sports light	505 505W 850 850W	27V 120-277V 48V 347-480V 48V 277-480V	40K 4000K 50K 5000K 57K 5700K	B Black	B33 3Hx3V B44 4Hx4V B55 5Hx5V ¹ B66 6Hx6V ¹	TR Trunnion	C With Integrated Control Blank Without Integrated Control	Blank Alphanumeric

Note: 1. 5H5V,6H6V will be coming soon.

Example:IMSL01E600W27VXXKYYYYY

IUS	Fixture Type	Wattage	Voltage	CCT	Finish	Nema	Mounting	Integrated Control	Internal Code
I	MSL01E Sports light	600 600W	27V 120-277V 48V 347-480V	40K 4000K 50K 5000K 57K 5700K	B Black	B33 3Hx3V B44 4Hx4V B55 5Hx5V ¹ B66 6Hx6V ¹	TR Trunnion	C With Integrated Control Blank Without Integrated Control	Blank Alphanumeric

Note: 5H5V,6H6V will be coming soon.

ACCESSORIES



Black Top Visor (Default)



Aiming Sight (Default)



DIM10-087-06

Integrated Control (Option)



Glare Control Shield
(Optional for large size)

Mounting Bracket



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



Yoke Adaptor (Option)



LED fixture is easily fixed to cross arm without drilling on the arm.



Sqaure Beam
Mounting Bracket
(sold separately)