

L70
25°C 100,000 Hours



FEATURES

Construction

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

Optics

- Available in NEMA 2Hx2V, 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 72,000 to 160,000 Lumens.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.

Electrical

- Ultra-wide input voltage: 200-480VAC or 120-277V or 347-480V.
- Standard with 0-10V dimming driver(s)
- Built in surge suppression with max 40KV.
- THD: ≤20%
- Power Factor: ≥90%

Controls

- Luminaire Level Lighting Control
- High End Trim
- Energy Monitoring
- 2.4GHz Wireless

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

Certifications

- UL cUL wet location listed.

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.

PRODUCT DESCRIPTION

The MSL03 series is a powerful stadium light designed with Remote Power System. This Remote Power System not only makes the fixture easy to install, greatly improves the flexibility of on-site installation, but also simplifies the driver maintenance operation steps to the greatest extent, eliminating the cost to take the bucket or crane basket equipment for maintenance. Precision engineered optics provide excellent high output and high efficiency, making them ideal solutions for municipal, school and semi-professional outdoor sports lighting.

ORDERING INFORMATION

EXAMPLE: MSL03-850W-27V-50K-B-B44-TR

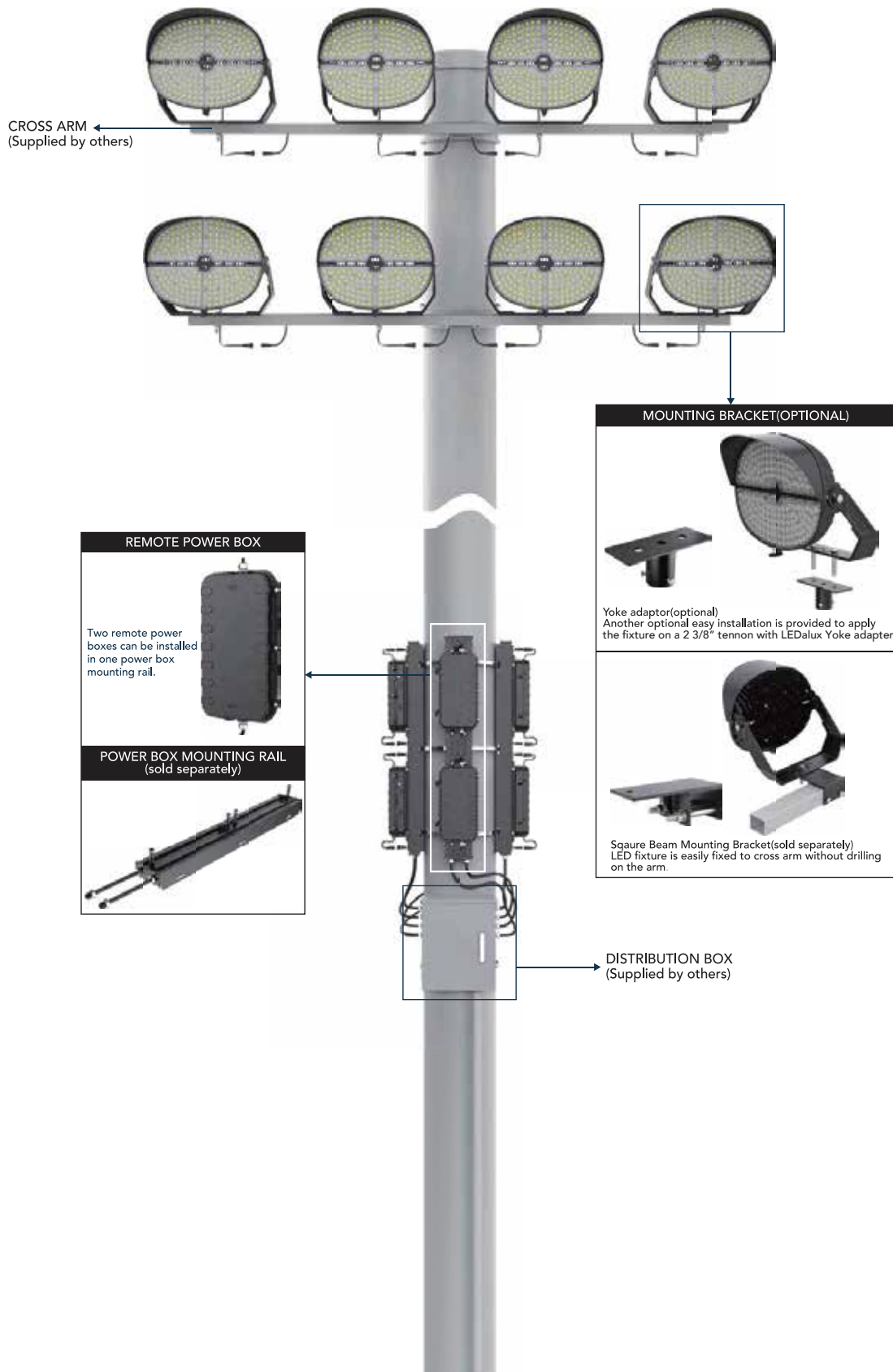
Model	Wattage	Voltage	CCT	Finish	NEMA	Mounting (Option)	Integrated Control
MSL03 Sports light	500 ¹ 500W 600 600W 850 850W 1200 1200W	27V 120-277V 48V 200-480V	40K 4000K 50K 5000K 57K 5700K	B Black	B22 2Hx2V B33 3Hx3V B44 4Hx4V B55 5Hx5V ² B66 6Hx6V ³	TR Trunnion	C With Integrated Control Blank Without Integrated Control

Note: 1. Only 500W optional for 120-277V input voltage.
2. 5H5V is only suitable for large size.
3. 6H6V will be coming soon.



REMOTE POWER BOX (OPTIONAL)

The MSL03 supports remote installation of the drive power - simple installation, access and maintenance of the equipment can be met by placing the drive power of the fixture at the bottom of the pole by using a fixture and extension power cord (sold separately).



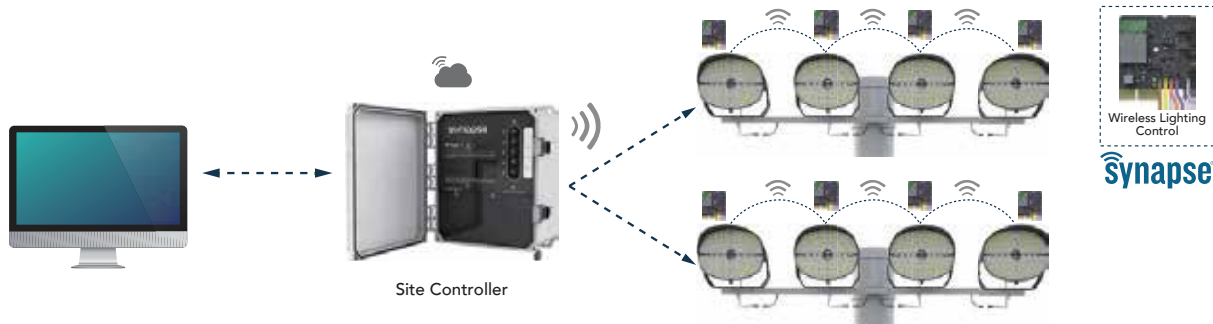
POWER BOX ATTACHED (OPTIONAL)

The fixture with separate power can be installed on the top of the light pole as a whole unit, which is simple and fast way, without additional labor costs to install the driver. It is also beneficial to reduce the power consumption of fixtures caused by remote wiring, save energy and improve efficiency.



INTEGRATED CONTROLS

The fixture is compatible with Synapse™ wireless control system, including RGB sports lighting. It offers a smart, stable and imaginative lighting control solution to your sports facility.



PERFORMANCE DATA

SIZE	SYSTEM WATTS	VOLTAGE	NEMA	EPA	CRI	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)	LUMENS (5700K)	LPW (5700K)
Small Size	500W	120-277V 347-480V	4Hx4V	1.8911	70	72000lm	144 lm/W	72000lm	144 lm/W	72000lm	144 lm/W
			3Hx3V	1.8911	70	72000lm	144 lm/W	72000lm	144 lm/W	72000lm	144 lm/W
Small Size	600W	200-480V	4Hx4V	1.8911	70	91000lm	152 lm/W	91000lm	152 lm/W	91000lm	152 lm/W
			3Hx3V	1.8911	70	91000lm	152 lm/W	91000lm	152 lm/W	91000lm	152 lm/W
Large Size	850W	200-480V	4Hx4V	2.5471	70	120000lm	141 lm/W	120000lm	141 lm/W	120000lm	141 lm/W
			3Hx3V	2.5471	70	120000lm	141 lm/W	120000lm	141 lm/W	120000lm	141 lm/W
Large Size	1200W	200-480V	3Hx3V	2.5471	70	160000lm	133 lm/W	160000lm	133 lm/W	160000lm	133 lm/W
			2Hx2V	2.5471	70	160000lm	133 lm/W	160000lm	133 lm/W	160000lm	133 lm/W
			4Hx4V	2.5471	70	160000lm	133 lm/W	160000lm	133 lm/W	160000lm	133 lm/W

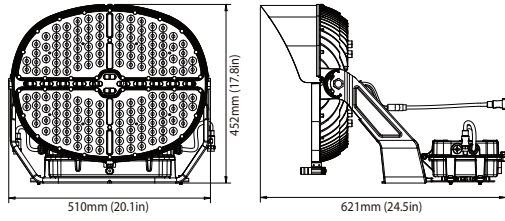
ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1350	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	1250	600	208	2.88
		600	240	2.50
		600	277	2.17
		600	347	1.73
		600	480	1.25
1	2750	850	208	4.09
		850	240	3.54
		850	277	3.07
		850	347	2.45
		850	480	1.77
1	4000	1200	208	5.77
		1200	240	5.00
		1200	277	4.33
		1200	347	3.46
		1200	480	2.50

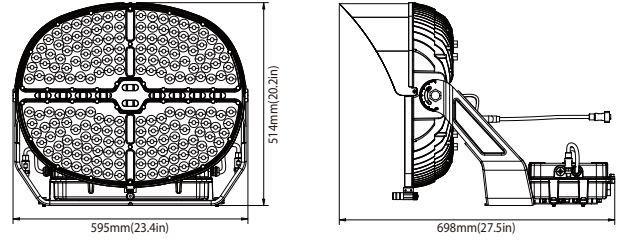
DIMENSIONS

With Power Box Attached

Small Size: 500W & 600W

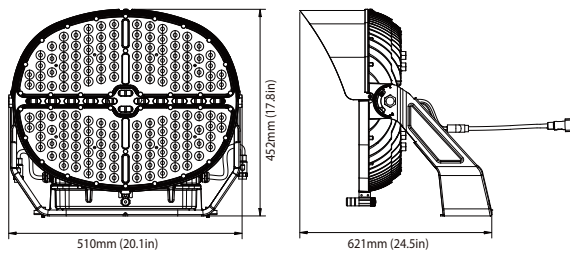


Large Size: 850W & 1200W

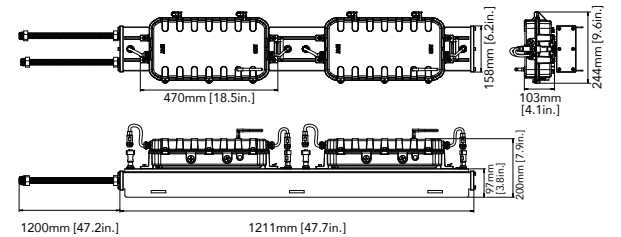
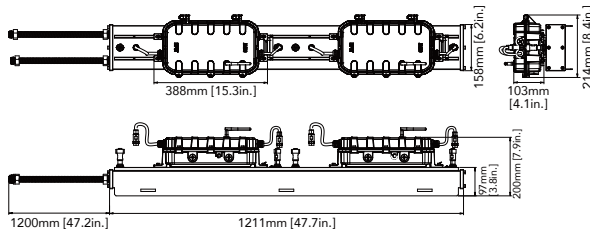
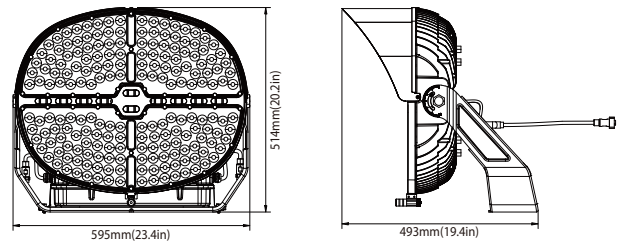


With Remote Power Box

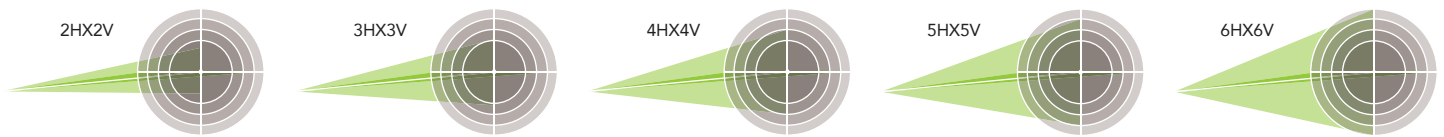
Small Size: 500W & 600W



Large Size: 850W & 1200W



PHOTOMETRICS



ACCESSORIES



Black Top Visor (Default)



Aiming Sight (Sold Separately)



Yoke Adaptor (Sold Separately)



Square Beam Mounting Bracket (Sold Separately)



Extension Cord (Sold Separately)
Up to 164' (50m)



Power Box Mounting Rail (Sold Separately)



Glare Control Shield (Sold Separately)



Integrated Control (Sold Separately)

Synapse
DIM10-087-06