

# SPORTS LIGHT (MSL01)



## DESCRIPTION

By providing superior high output and high efficiency, MESTER 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 4Hx4V distributions.
- Light engines are available in standard 4000 K, 5000 K and 5700 K (70/80/90 CRI) configurations.
- Scalable Lumen Packages from 49,500 to 70,000 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 10KA @120-277V(20KA @347-480V).
- THD: ≤20%
- Power Factor: ≥90%

### Ambient Temperature

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

### Lifespan

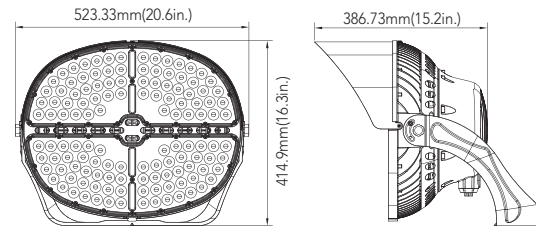
- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

### 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 (±5 C ) specifications subject to change without notice.

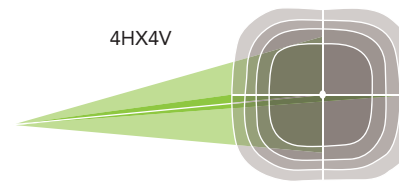


### DIMENSIONS



Net Weight:  
350W: 37.565 lb      505W: 39.264 lb

### PHOTOMETRICS



## PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	NEMA	EPA	CRI	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)	LUMENS (5700K)	LPW (5700K)
350W	120-277V/347-480V	4Hx4V	0.8218	70	51000lm	146 lm/W	51000lm	146 lm/W	49500lm	141 lm/W
505W	120-277V/347-480V	4Hx4V	0.8218	70	70000lm	139 lm/W	70000lm	139 lm/W	68000lm	135 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	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