

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, 5Hx5V, 6Hx6V 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 82,000 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

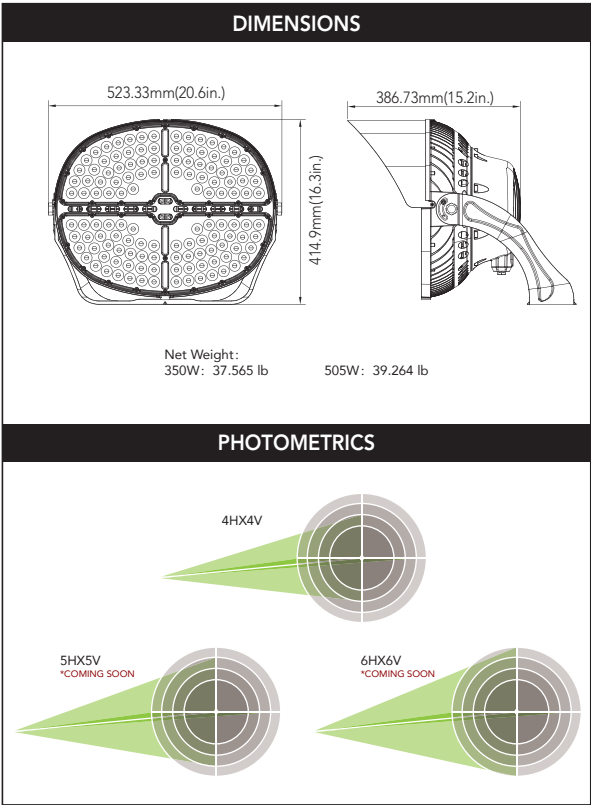
- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

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.

Certifications

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



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
600W	120-277V/347-480V	4Hx4V	1.2413	70	82000lm	137 lm/W	82000lm	137 lm/W	80000lm	133 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
1	5200	600	120	5.00
		600	208	2.88
		600	240	2.50
		600	277	2.17
		600	347	1.73
		600	480	1.25

ORDERING GUIDE

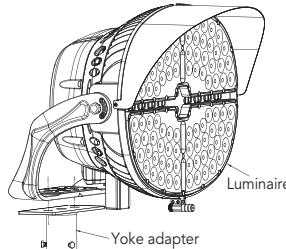

Example:MSL01505W27VXXKYYYY

Fixture Type <input type="text"/>	Wattage <input type="text"/>	Voltage <input type="text"/>	CCT <input type="text"/>	Finish <input type="text"/>	Nema <input type="text"/>	Mounting(Optional) <input type="text"/>	Integrated Control <input type="text"/>	Internal Code <input type="text"/>
MSL01 Sports light series	350 350W 505 505W 600 600W	27V 120-277V 48V 347-480V	40K 4000K 50K 5000K 57K 5700K	B Black	B44 4Hx4V *B55 5Hx5V *B66 6Hx6V (*COMING SOON)	TR Trunnion	C With Integrated Control Blank Without Integrated Control	Blank Alphanumeric

ACCESSORIES

		
Black Top Visor (Default)	Aiming Sight	Integrated Control (Option)

Mounting Bracket

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