

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 (IP66).

Optics

- Available in NEMA 3Hx3V, 4Hx4V distributions.
- Light engines are available in standard 4000 K and 5000 K (70/80/90 CRI) configurations.
- Scalable Lumen Packages from 71,000 to 115,000 Lumens.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.

Electrical

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

Ambient Temperature

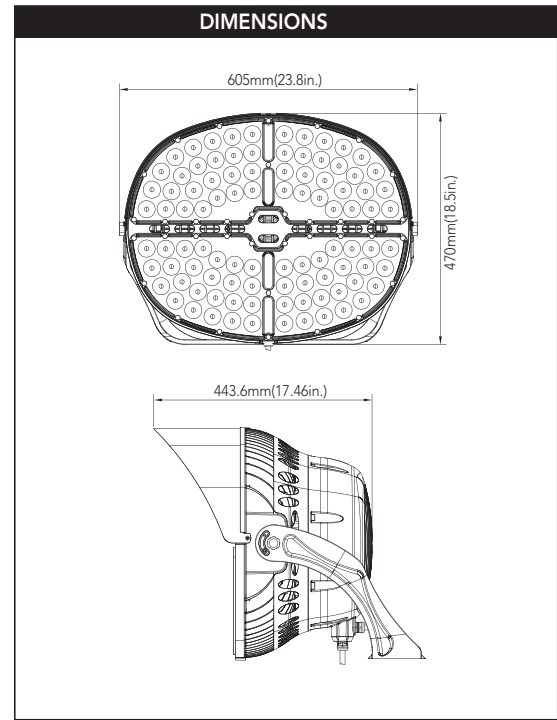
- Ambient operating temperature -40° C to 55° C (-40 F to 131 F).

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.



PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	NEMA	EPA	CRI	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)
500W	120-277V/347-480V	4Hx4V	1.2413	70	71000lm	142 lm/W	71500lm	143 lm/W
650W	277-480V	4Hx4V	1.2413	70	91500lm	140 lm/W	92000lm	142 lm/W
805W	277-480V	4Hx4V	1.2413	70	113000lm	140 lm/W	115000lm	143 lm/W

ORDERING GUIDE

Example:MSL01500W27VXXKYYYYY

Fixture Type	Wattage	Voltage	CCT	Finish	Nema	Mounting(Optional)	Integrated Control	Internal Code
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FDK-SPL Fudakin Sports Light	500 500W 650 650W 805 805W	27V 120-277V 48V 347-480V 48V 277-480V	30K 3000K 40K 4000K 50K 5000K	B Black	B33 3Hx3V B44 4Hx4V	TR Trunnion	C With Integrated Control Blank Without Integrated Control	Blank Alphanumeric

Note: 650W, 805W only suitable for 277-480V input

ACCESSORIES

Silver Top Visor (Default)	White Top Visor (Optional)	Aiming Sight	Integrated Control (Optional)