

Small Size
500W & 600W



Large Size
850W & 1200W



DESCRIPTION

Square courtlight 05 is different from the round court light in appearance, 05 is more suitable for stadium lighting with higher lighting requirements. Precision designed optics with high output and high efficiency provide effective illumination covering the entire stadium in all directions, ensuring uniformity of illumination and providing excellent and comfortable illumination. At the same time, it supports two completely different installation methods of power random and remote control, which maximizes the practicality of luminaires with budget-friendly costs.

SPECIFICATION FEATURES

Construction

- Strong and durable 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 4000 K, 5000K and 5700 K (70/80/90 CRI) configurations.
- Scalable Lumen Packages from 72,000 to 180,000 Lumens.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.

Electrical

· Ultra-wide input voltage: 200-480VAC or 120-277V.

- Standard with 0-10V dimming driver(s)
- Built in surge suppression with max 40KV.
- THD: ≤15%
- Power Factor: ≥90%

Installation

- Designed for installation with included trunnion bracket.
- The Yoke Adaptor (option) is designed to slip fit a 2 3/8" to 3" O.D. tenon.

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

· ULcUL wet location listed.

Warranty

· Five year limited warranty.

Applications

· Parking Lots, Outdoor Sports, Stadium, Exhibition Center, Port and rail centers, Airport apron

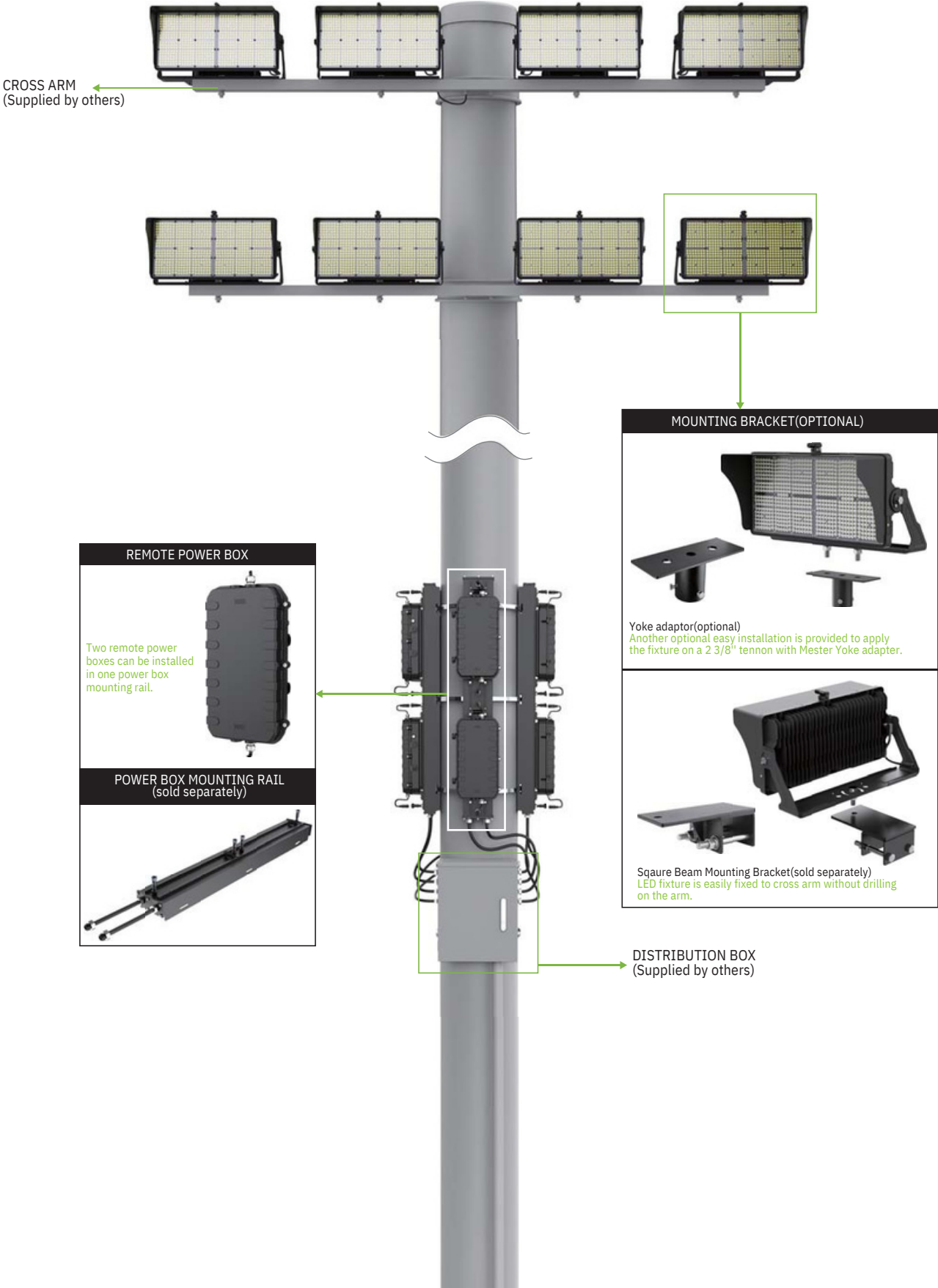
Note

· 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.



REMOTE POWER BOX(OPTIONAL)

The O5 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 a 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	EPA	CRI	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)	LUMENS (5700K)	LPW (5700K)
Small Size	500W	120-277V 200-480V	1.8202	70	75000lm	150 lm/W	75000lm	150 lm/W	72000lm	144 lm/W
Small Size	600W	200-480V	1.8202	70	92000lm	153 lm/W	92000lm	153 lm/W	90000lm	150 lm/W
Large Size	850W	200-480V	3.3821	70	125000lm	147 lm/W	125000lm	147 lm/W	122000lm	144 lm/W
Large Size	1200W	200-480V	3.3821	70	180000lm	150 lm/W	180000lm	150 lm/W	170000lm	142 lm/W

ELECTRICAL DATA

N um ber Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	C U RREN T (A m ps)
1	1600	500	120	4.17
		500	208	2.40
		500	240	2.08
		500	277	1.81
		500	347	1.44
		500	480	1.04
		600	208	2.88
1	1800	600	240	2.50
		600	277	2.17
		600	347	1.73
		600	480	1.25
		850	208	4.09
		850	240	3.54
1	2700	850	277	3.07
		850	347	2.45
		850	480	1.77
		1200	208	5.77
		1200	240	5.00
1	3600	1200	277	4.33
		1200	347	3.46
		1200	480	2.50

ORDERING GUIDE									Example:MSL05850W27VXXKYYYYY
Fixture Type	Wattage	Voltage	CCT	Finish	Nema	Mounting(Optional)	Integrated Control	Internal Code	
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 5Hx5V2 B66 6Hx6V2	TR Trunnion	CWith Integrated Control BlankWithout Integrated Control	Blank Alphanumeric	

Note : 1. Only 500W optional for 120-277V input voltage.

6Hx6V2

