

X Series LED Stadium Light

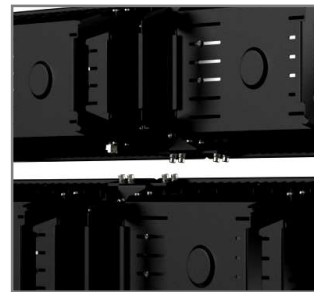
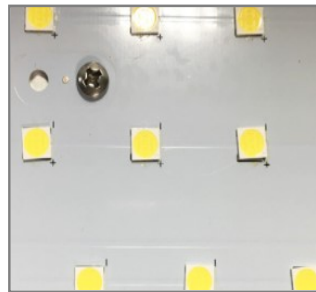
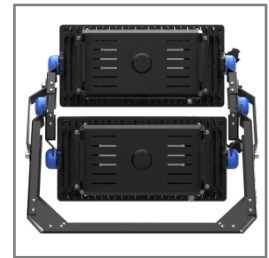
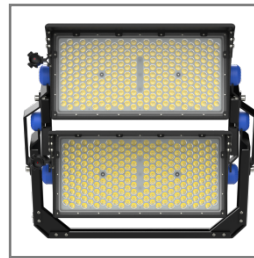


- High-quality aluminum alloy, with integrated shell, high hardness, good heat dissipation, greatly improving service life.
- The lamp body is completely sealed and work in thunder and rain.
- High-quality high-brightness LED light source, high luminous efficiency, high color rendering, no radiation pollution, long service life.
- No EMI, low harmonic distortion (THD), through the CE, ROSS, FCC, SAA, RCM certification requirements.

Overview



- LED Source: lumileds 5050 Chip LED
- Input Vol: AC100-277V
- SPD:10KV & 20KV
- CRI: >75Ra
- IP Rate: IP66
- Warranty: 5 years
- Beam angle: 30° /45° /60° /90°



Highlight chips:

Uniform light emission, low light decay, high brightness, long life.

LED light source:

High luminous efficiency, high brightness, low resistance to light attenuation, stable power.

convection cooling:

Air convection cooling design.

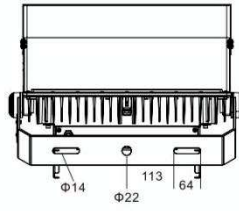
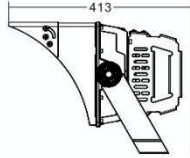
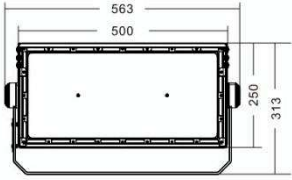
Mounting arm:

0-180° adjustable.

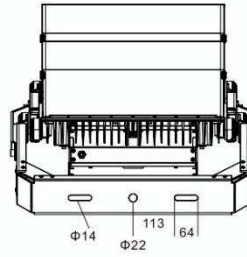
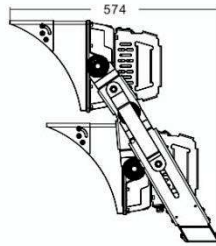
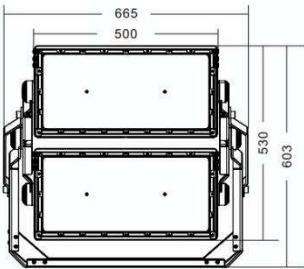
Model	Power	Luminous efficiency	CCT
MS-MLTU500W-X01	500W	150lm/160lm	3000-6500K
MS-MLTU1000W-X02	1000W	150lm/160lm	3000-6500K
MS-MLTU1500W-X03	1500W	150lm/160lm	3000-6500K
MS-MLTU2000W-X04	2000W	150lm/160lm	3000-6500K

Production dimensions

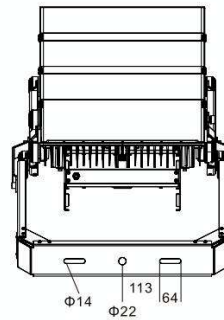
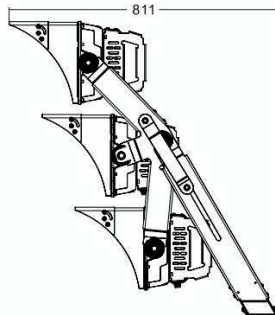
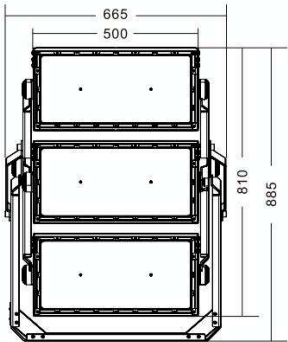
250W



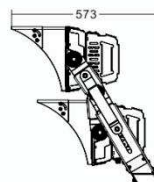
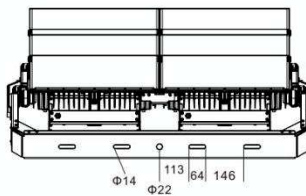
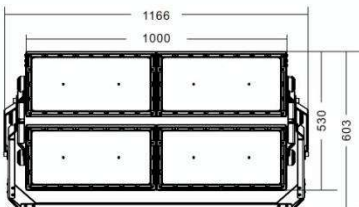
500W



750W



1000W



Technical Parameters

Model:	MS-MLTU500W-X01	MS-MLTU1000W-X02	MS-MLTU1500W-X03	MS-MLTU2000W-X04
Led Source:	lumileds 5050 Chip	lumileds 5050 Chip	lumileds 5050 Chip	lumileds 5050 Chip
Led Qty:	230 PCS	460 PCS	690 PCS	920 PCS
Working voltage:	AC100-277V	AC100-277V	AC100-277V	AC100-277V
Driver	Meanwell/Invenrtonics/Mosun	Meanwell/Invenrtonics/Mosun	Meanwell/Invenrtonics/Mosun	Meanwell/Invenrtonics/Mosun
Beam angle:	30° 45° 60° 90°	30° 45° 60° 90°	30° 45° 60° 90°	30° 45° 60° 90°
Lumen efficiency:	150-160lm/w	150-160lm/w	150-160lm/w	150-160lm/w
Power Factor:	>0.95	>0.95	>0.95	>0.95
Correlated Color Temperature:	3000K-6500K	3000K-6500K	3000K-6500K	3000K-6500K
Color rendering index:	≥70	≥70	≥70	≥70
IP Rating:	IP66	IP66	IP66	IP66
Material	Aluminum+PC lens	Aluminum+PC lens	Aluminum+PC lens	Aluminum+PC lens
Weight:	14.3kgs	35.1kgs	54.6kgs	66.2kgs
Warranty	5 years	5 years	5 years	5 years

Products Electrical Parameters

				Nominal flux (lm) (*)	Power consumption (W)	Nominal efficacy (lm/W)	Luminaire output flu(lm)	Luminaire efficacy (lm/W)	Photometry
Lamp	5050 LEDs	Current (mA)	Line Current (A)	(A) Typical	Typical	Typical	Typical	Typical	KingBrite T3
1 module	230	9450	2.23	92000	500W	184	75500	151	KingBrite T3
2 module	460	18800	4.45	183000	1000W	183	150000	150	
3 module	690	28200	6.68	276000	1500W	184	226500	151	
4 module	920	37600	8.91	364000	2000W	182	298000	149	

Tolerance on LED flux is $\pm 7\%$ and on total luminaire power $\pm 5\%$

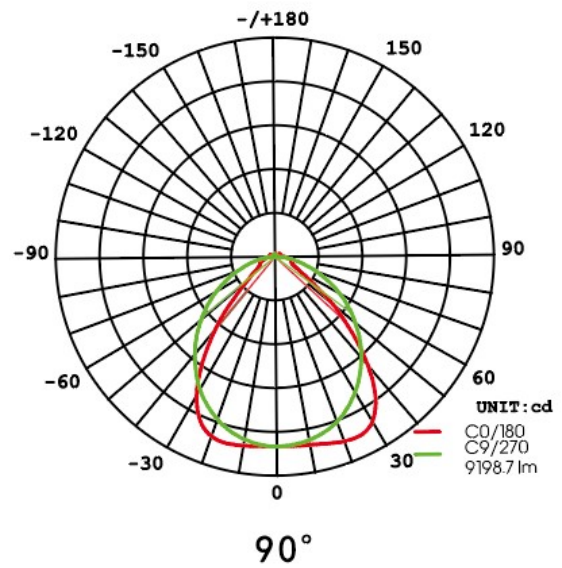
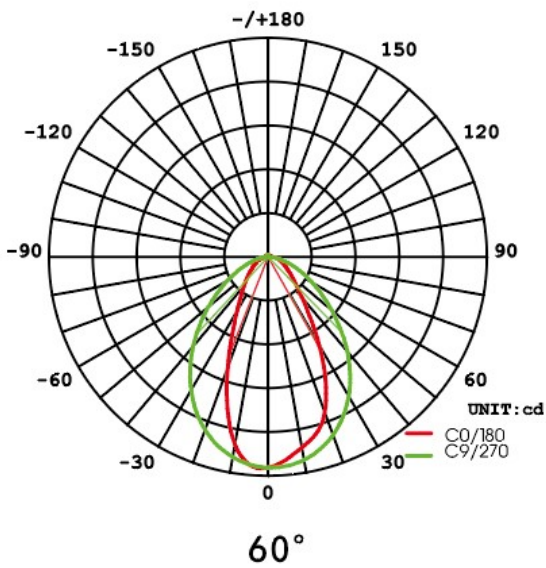
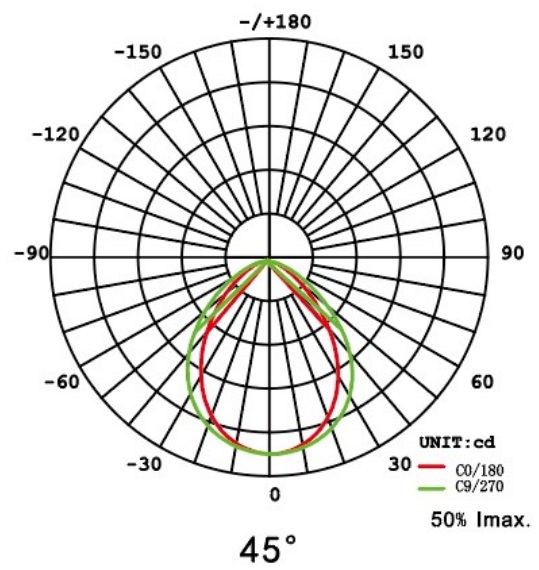
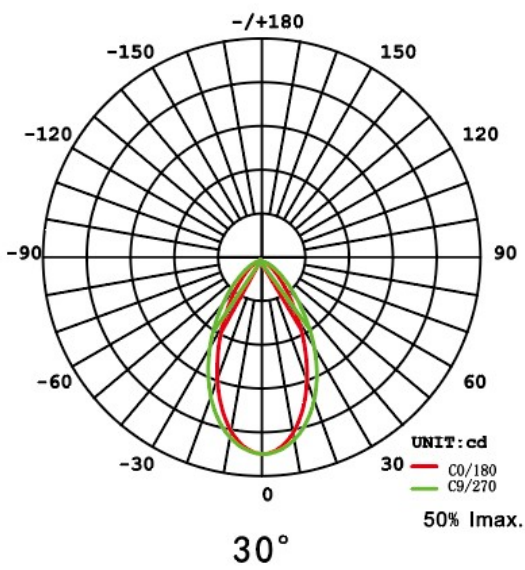
(*) The nominal flux is an indicative LED flux @ $T_s 85^\circ \text{C}$ based on LED manufacturer's data. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution) and the optical efficiency of luminaire. The type of LED used is subject to change due to the ongoing rapid progress taking place in LED technology

Photometric distribution

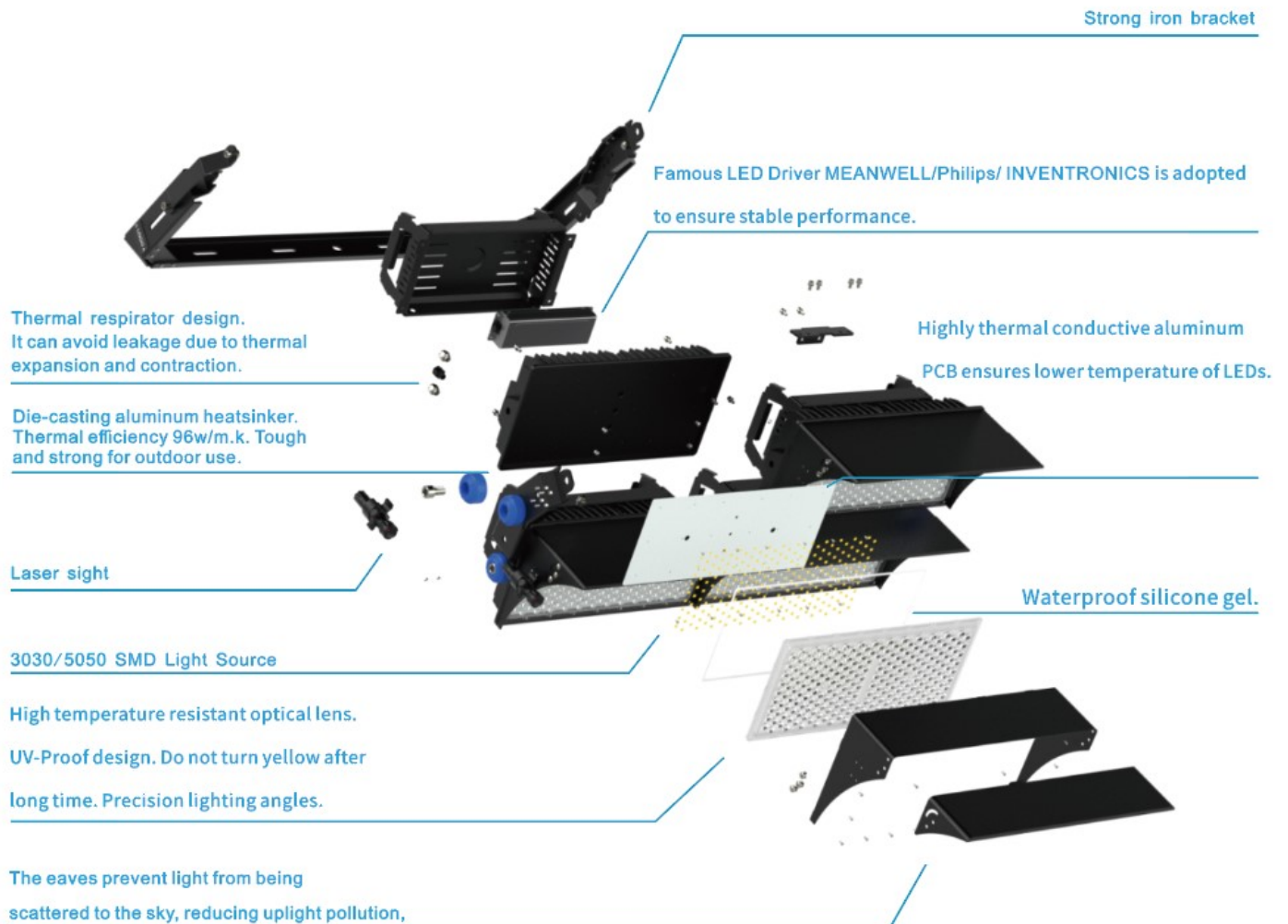
Optics

Tech.Support: Tell us the room length, width, height and the usage.

We have an engineer team to respnd the DIALUX simulations for lights quantity calculation and effects. ies files are available upon request.

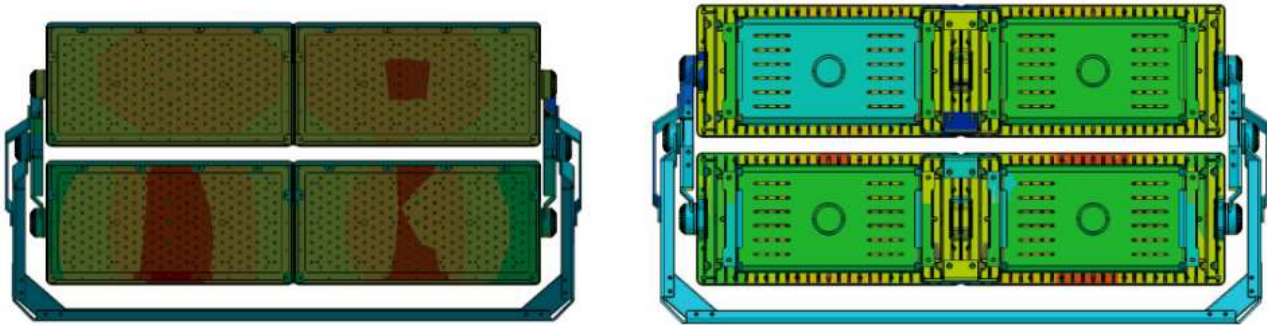


Dissamble illustration

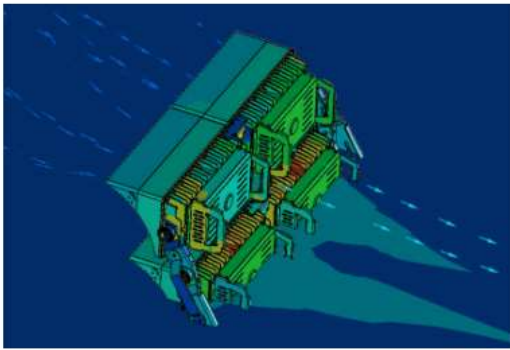


Thermal management

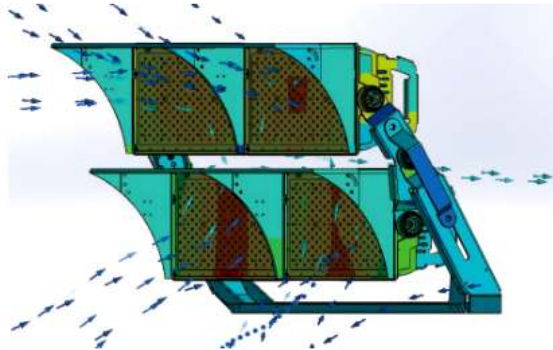
Structure is optimized by advanced FEA technology. Achieving longer lifespan at best cost-efficiency.



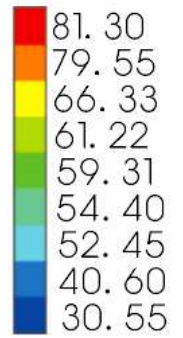
Thermal Conductivity



Thermal Air Flow



Thermal Air Convection



Unit: °C

Breathing valve Optional:



- Waterproof
- Air circulation
- Pressure balance

LED Driver brand optional:

- Mosun Factory own brand
- Meanwell
- Philips
- Inventronics

TURE FULL



INVENTRONICS
DRIVING THE LIGHTING REVOLUTION

Surge protection Optional:

- SPD 10KV
- SPD 20KV



Features

- ◆ Suitable for use in luminaire with Class I or Class II installations
- ◆ Protection mode : L-N, L-PE, N-PE
- ◆ Built-in thermal detachment function, higher security
- ◆ Parallel wiring, easy maintenance
- ◆ Excellent impact resistance, low voltage limit
- ◆ Built-in LED indication, saves maintenance time by identifying replacement need
- ◆ IP67-Dust-tight and water resistant

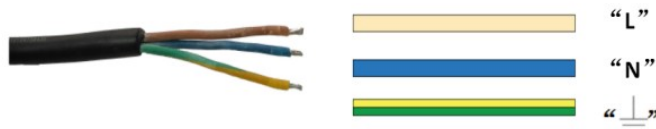


Package

Item	MS-MLTU500W-X01	MS-MLTU1000W-X02	MS-MLTU1500W-X03	MS-MLTU2000W-X04
Package Qty	1 PC	1 PC	1 PC	1 PC
GW	15.5 KGS	36.5 KGS	56.2 KGS	68.5 KGS
Cartons (mm)	620*420*280MM	740*740*280MM	1080*740*280MM	1460*740*280MM

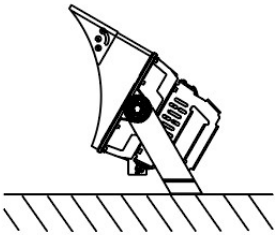
Attention:

- 1) Be sure disconnect power before installing, don't construction with electricity.
- 2) Product working voltage is AC100~277V,50/60Hz, Please do not exceed the working voltage range.
- 3) Input product line, brown is **L**, blue is **N**, yellow-green is **GND**.
- 4) Be sure wiring is closed and prevent leakage, when installing.
- 5) The lamp can not be used in violation of any fire regulations.

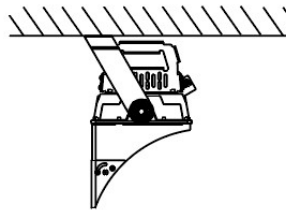


Installation methods

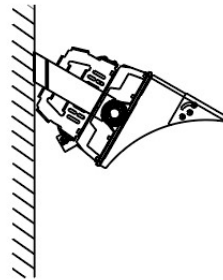
Floor Mounted



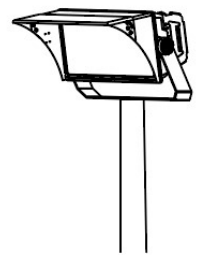
Ceiling Mounted



Wall Mounted



Pole Mounted



Mosun Warranty Policy

All products are under 5-year warranty since the date of luminaires were deliver to you.

1. Under warranty terms,if products are broken down under normal usage within warranty period,Mosun company will provide new lamp for instead of or provide FREE Maintenance service base on the proof-documents and invoice (copy) of the failed products.
2. Mosun company will not provide paid maintenance service under following conditions even within warranty period.
 - a)Failure or damage caused by force majeure.
 - b) Failure or damage caused by transportation or unloading
 - c) Failure or damage caused by incorrectly usage or fail to comply with the manual and caution
 - d) Failure or damage caused by demolition, repair or alternation without our authorization.
3. Mosun company always reserves the right for final explanation of aforesaid terms