

S5 SERIES

LED STADIUM LIGHT



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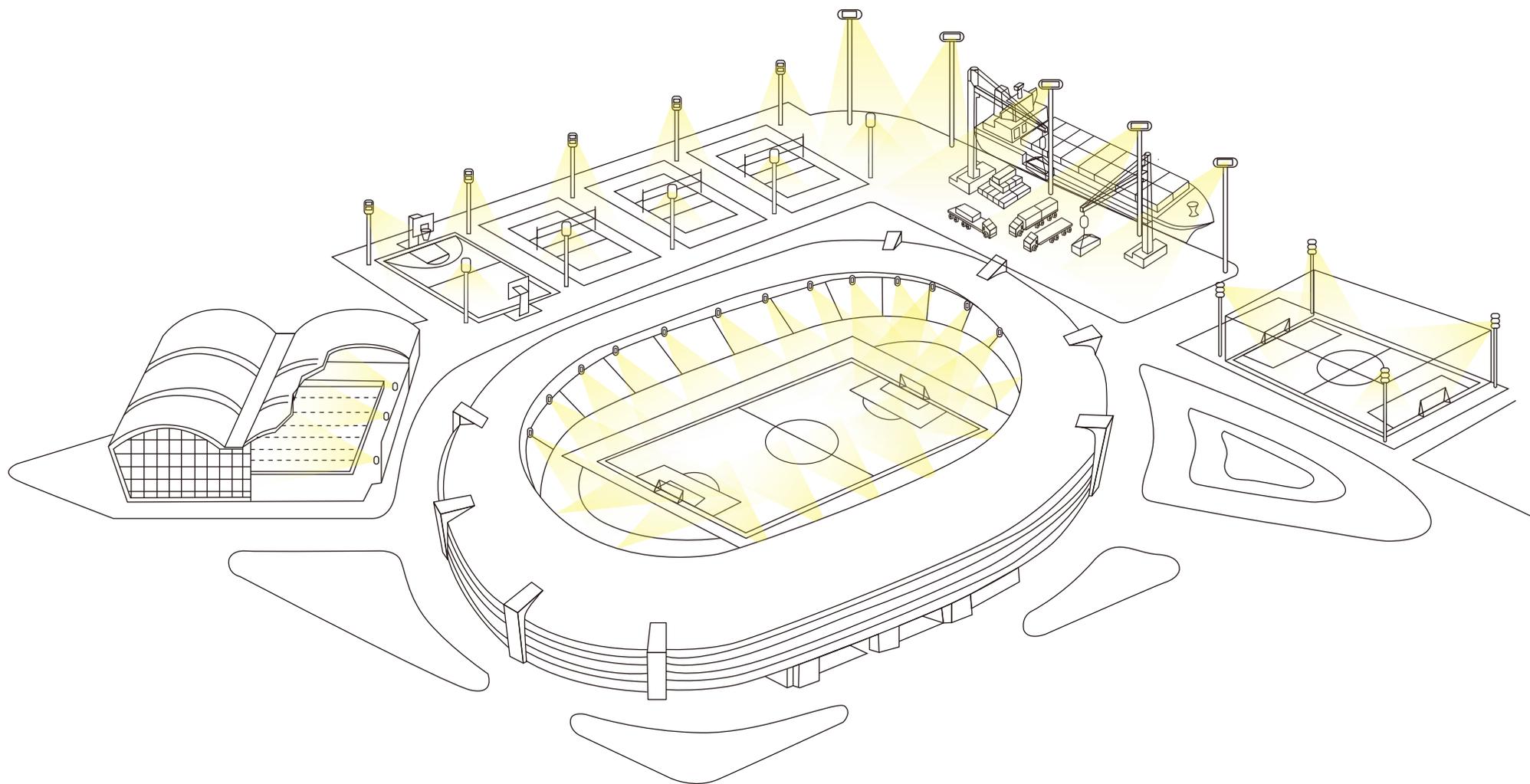
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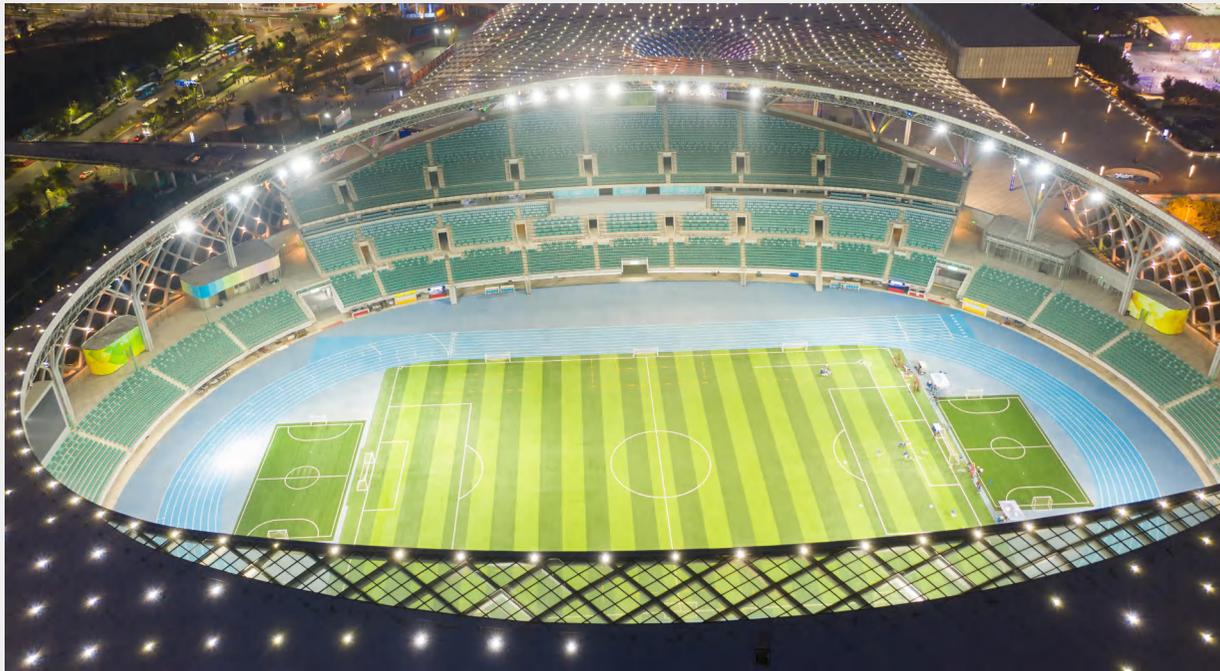
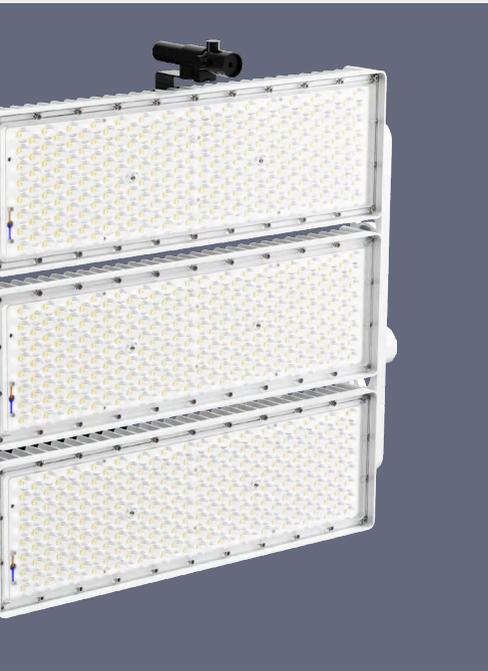
S5

S5 series stadium light is designed to meet the highest standards of lighting performance for professional competitions. S5 series provides solutions with excellent light distribution both in horizontal and vertical directions, ensuring perfect visibility for judges, players and cameras, as well as meeting the maximum visual comfort of spectators.



S5 series stadium light meets the needs of various sports lighting. It's also suitable for various indoor and outdoor large venues like Marina and airport.





Modular Design

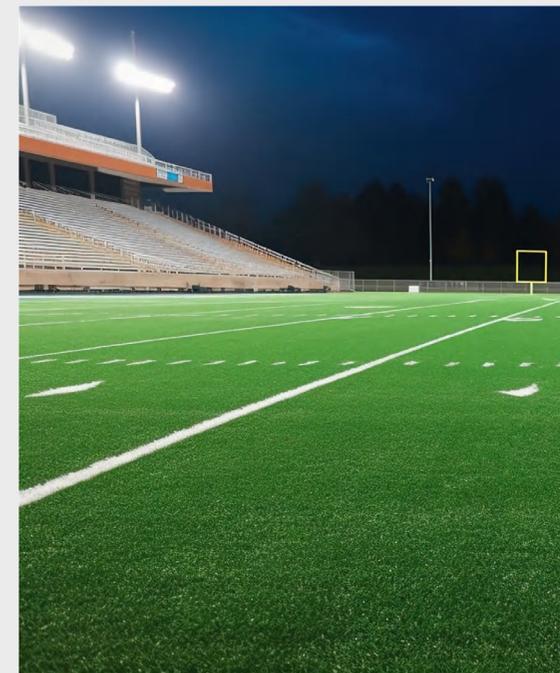
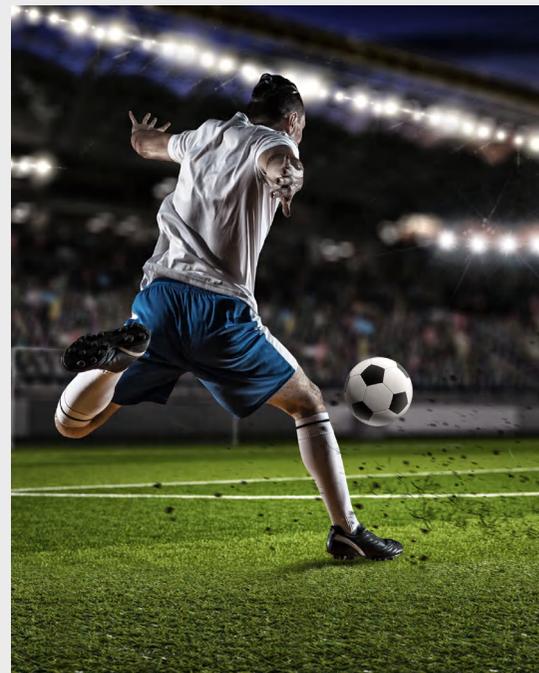
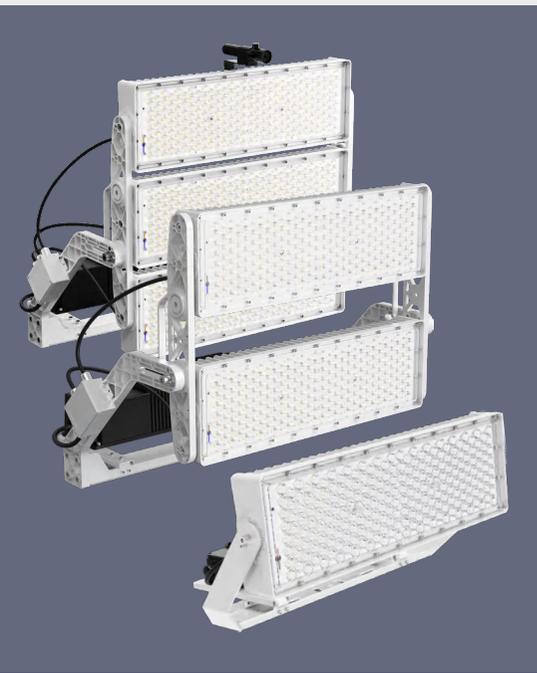
Adopt modular structure design to raise the air convection coefficient and enhance the heat dissipation efficiency. Make the lifespan of the luminaire longer and guarantee better product reliability.

Flexibility

Modular optical design is adopted to meet the needs of high-level sports facilities. By changing different optical modules, we can obtain a series of professional stadium lights that can meet the needs of different scenes. Professional optical design can minimize glare while meeting brightness requirements.

Intelligent

S5 series LED stadium light is mainly equipped with two light control schemes, namely DALI2.0 dimming and DMX512 control. Our DMX driver has the DMX-RDM function, which can accurately monitor the operation of each lamp.



With professional optical design, the product can be applied to various applications.

Optical Design

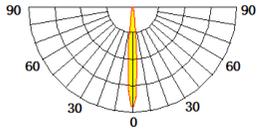
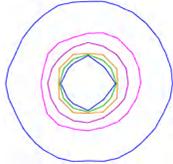
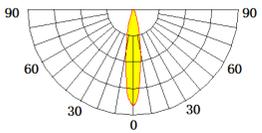
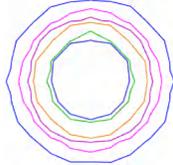
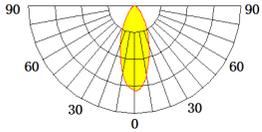
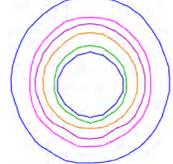
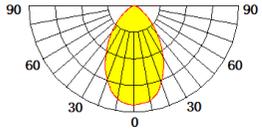
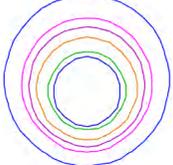
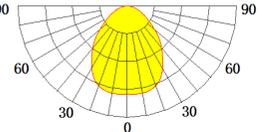
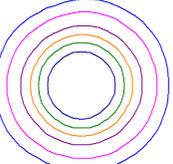
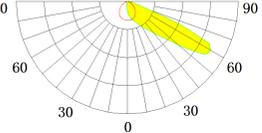
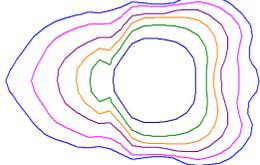
S5 series stadium light adopts two new optical structures- total internal reflection lens and refractive lens, which can meet various professional lighting needs. This series has 6 different types of optical devices. Narrow beam optical design is to meet the lighting requirements of sports facilities that specialized for sport competitions. Asymmetric optical design mainly meets the lighting needs of indoor sports facilities or wall mounted or pole mounted lighting requiring low height installation. Finally, a symmetrical medium wide beam optical system is designed for outdoor/indoor sports lighting that requires good uniformity and horizontal lighting.

Competition Lighting

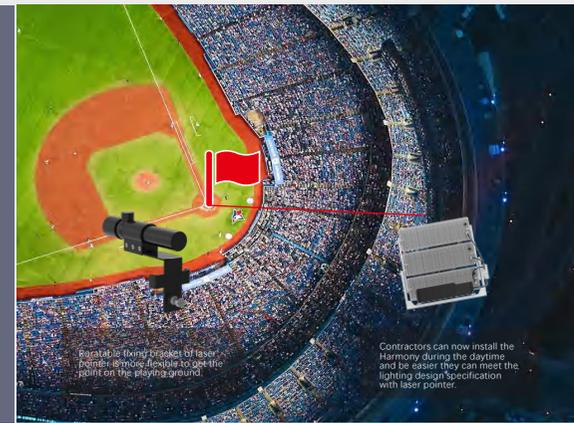
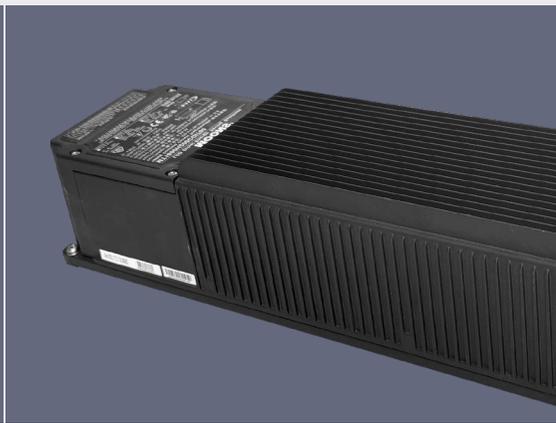
S5 series stadium light can meet the requirements of professional sports lighting for live TV broadcast that reaches the TLCl and HDTV standards. The LED is $Ra > 90$, $TLCl > 90$ and $SDCM < 3$, providing excellent light color consistency. Besides, S5 series is also equipped with DMX driver, which can communicate with other systems, providing maximum flexibility for sports facilities to adapt to different types of activities.

Glare Control

S5 series is designed to ensure the best lighting effect without affecting the visual comfort of athletes and spectators. On the premise of ensuring the lighting uniformity in horizontal and vertical direction, glare can also be controlled effectively. In places with extremely strict glare requirements, glare can be effectively reduced by adding a lens hood. The hood can be disassembled easily, which increases the flexibility of the product.

NO.	Name	Photometry	ISOLUX DIAGRAM
1	Circular 10°		
2	Circular 20°		
3	Circular 40°		
4	Circular 60°		
5	Circular 90°		
6	Asymmetrical 90°x 25°		





Structure

- The modular structure increases the air convection coefficient and improves the heat dissipation efficiency. The lamp body and the power supply are separated, which makes the heat source dispersed, improve heat dissipation effect, and enhance the product reliability.
- Integrated lens waterproof design, improve the optical efficiency; With protection level up to IP66 and impact resistance up to IK10.
- The angles of the lamp and every single module can be adjusted separately, and the operation method is simple and fast.
- The driver adopts a special heat dissipation design to minimize the maintenance work of electronic components. The surge protection is up to 10kv, which ensures the service life of the driver in the outdoor environment. At the same time, the driver has high-temperature protection function. The driver will detect the temperature of LED plate by NTC thermistor every 5 minutes. If an over temperature condition is detected, the output current will drop to 50% of the previous current. If the output current is less than 12.5% of the set output current, the driver will be turned off automatically. When the temperature of the LED component returns to a safe value, the driver will be turned on again.
- Each module is equipped with a vent valve to balance the air pressure difference between the inside and outside of the lamp, reducing the pressure on the sealing device and ensuring its life span. It can also effectively reduce the dewing phenomenon.
- The collimator can be used to preset the installation position and accurately adjust the optimal projection angle of the lamp.



IK10

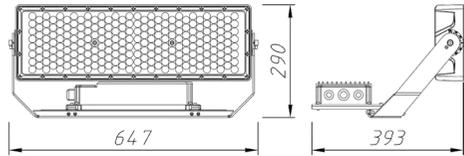


IP66

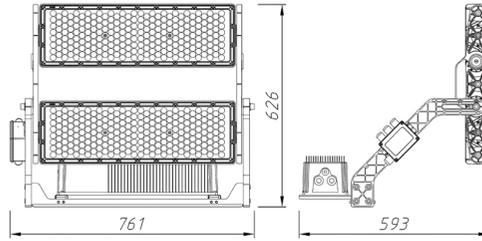
			
Model	AL-S5-500W	AL-S5-1000W	AL-S5-1500W
Power	400-500W	800-1000W	1200-1500W
Input voltage	198-528Vac 50/60HZ	198-440Vac 50/60HZ	
Luminous Flux	Up to 75 klm	Up to 150 klm	Up to 225 klm
Efficiency	Up to 150 lm/w		
Colour Temperature	4000K-5700K		
Colour Rendering Index(CRI)	CRI>70/CRI>80/CRI90/CRI90&TLCI>90		
Operating Temperature	-30°C ~50°C		
Insulation Class	CL.I		
Beam angle	10°/20°/40°/60°/90°/90°x 25°		
Impact Resistance	IK10		
Waterproof rating	IP66		
Optics	5 Circular - 1 Asymmetrical		
Lifetime	L90B10(Tq25°C)=50.000h L80B10(Tq25°C)=110.000h		
Power Surge Protection	DM 6 kv / CM 10 kv	DM 10 kv / CM 10 kv	
Net Weight	13.2kg	24.0kg	30.0kg
Gross Weight	15.0kg	27.0kg	33.5kg
Package	690 x 440 x 155mm	875 x 760 x 215mm	945 x 760 x 215mm



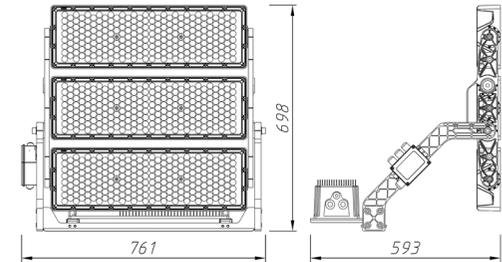
Product Dimensions



500W

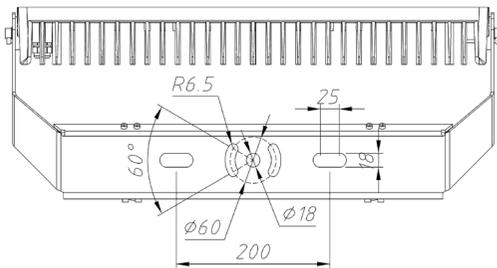


1000W

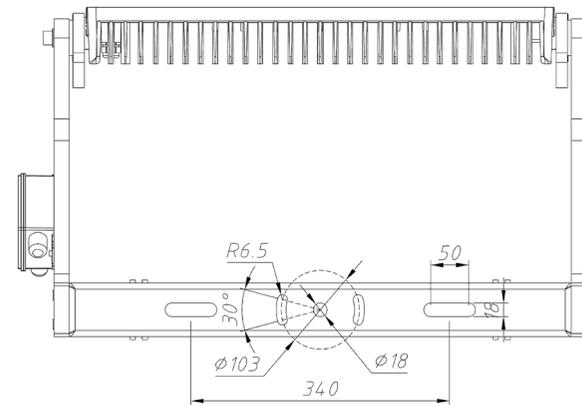


1500W

Installation Hole Size



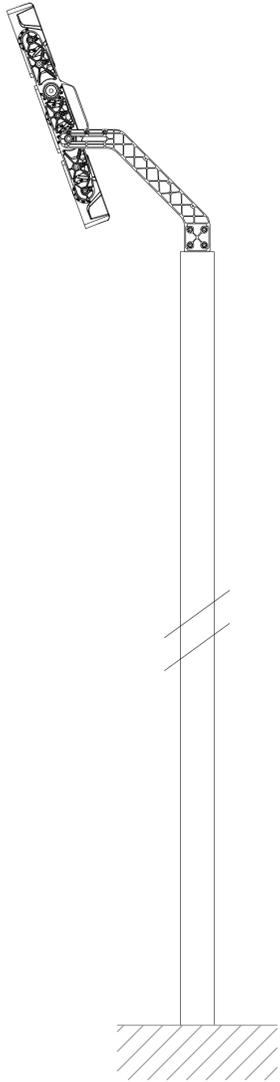
500W



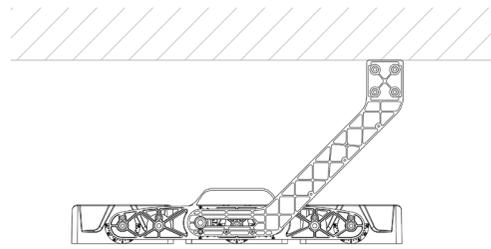
1000W/1500W

FIXING TYPE

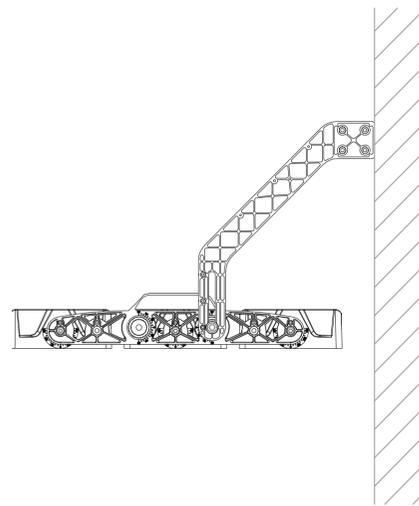
Pole-top Fixing



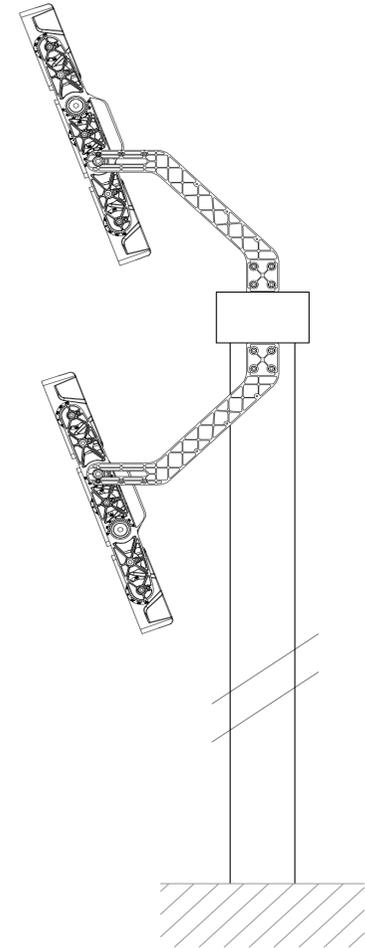
Surface Mounting



Wall Mounting



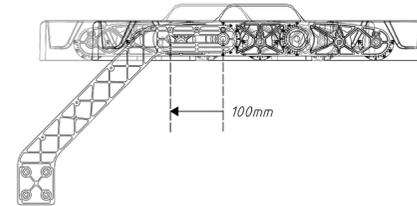
Multiple Installation



INSTALLATIONS

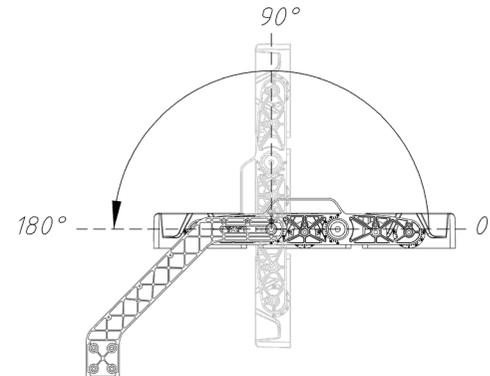
Longitudinal Adjustment

01



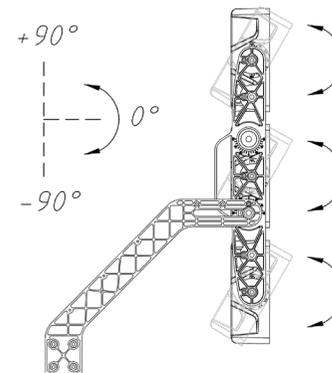
Complete Floodlight Adjustment

02



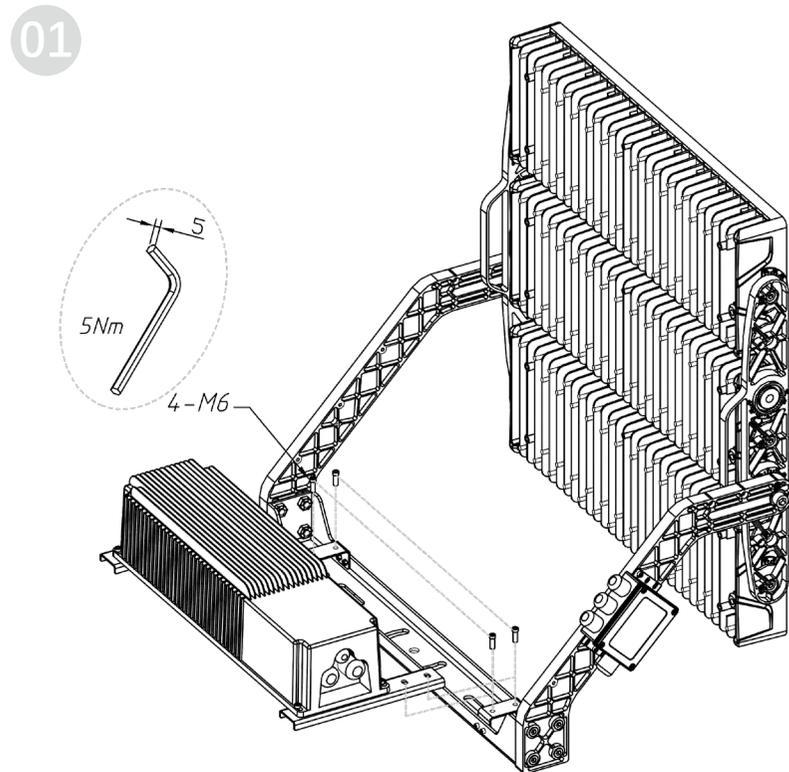
Module Adjustment

03

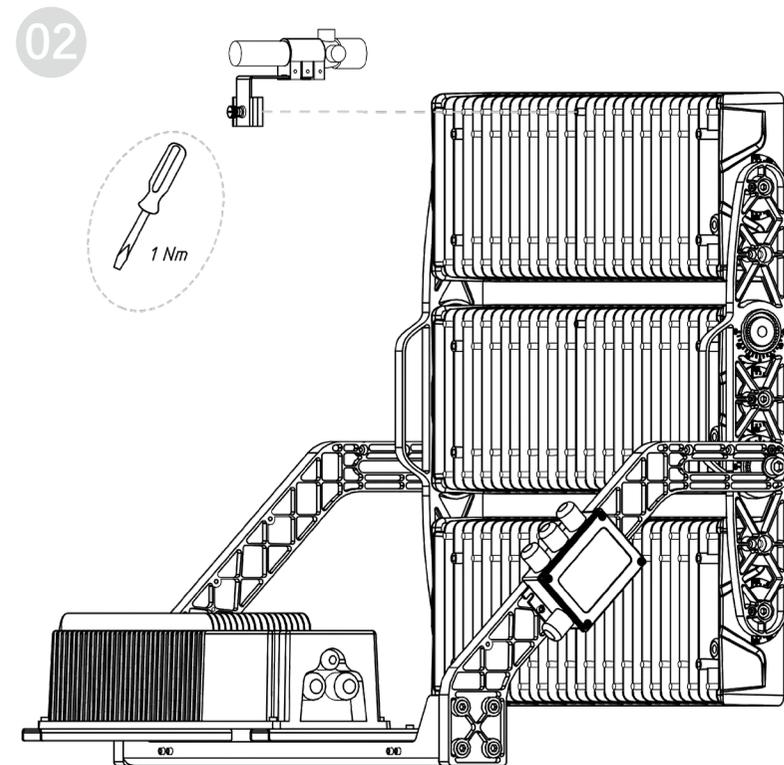


ASSEMBLY OF ACCESSORIES

Driver Installation



Sight Assembly

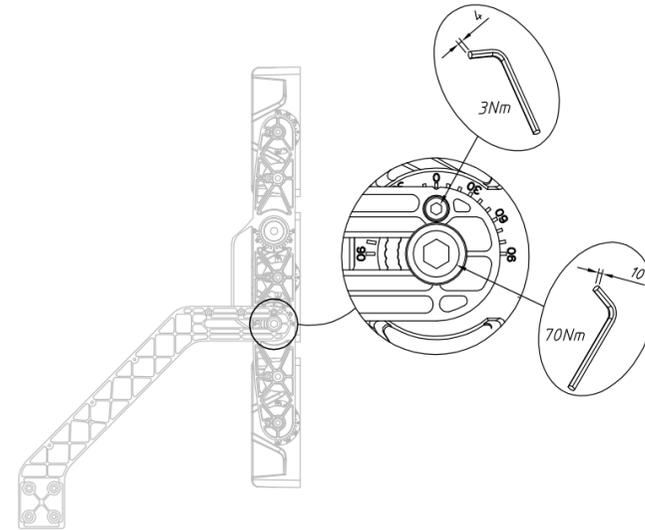


ANGLE ADJUSTMENT

Angle Adjustment of the Lamp :

01

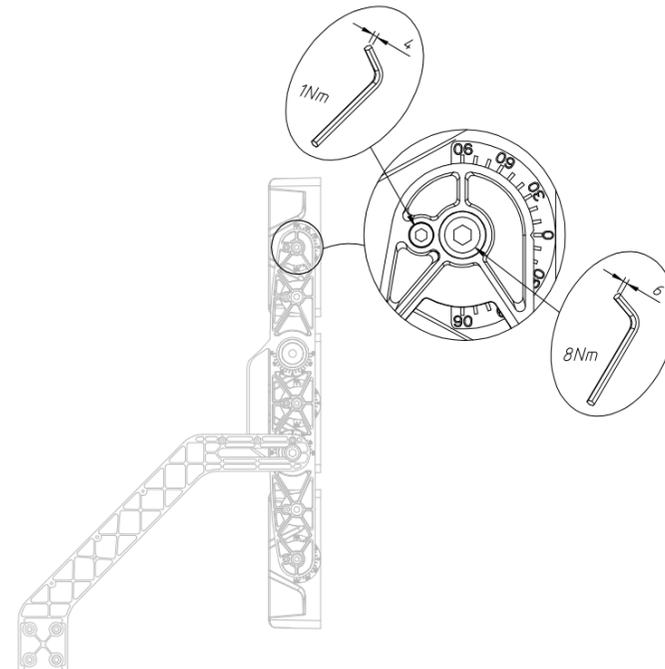
First, loosen the M5 screw with a 4mm hexagonal key ; Second, use a 10mm hex key to loosen the M12 screw and adjust to the required angle; Finally tighten the M12 screws, and then tighten the M5 screws.



Angle Adjustment of the Modulars :

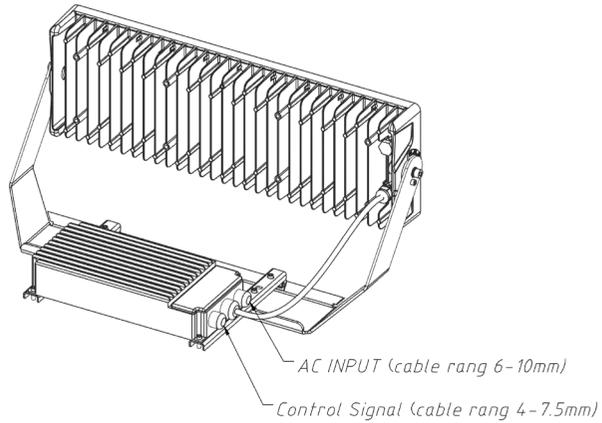
02

First loosen the M5 screw with a 4mm hexagonal key (outward about 6mm); Then use a 6mm hex key to loosen the M8 screw and adjust to the required angle; Finally tighten the M5 screws, then the M8 screws.



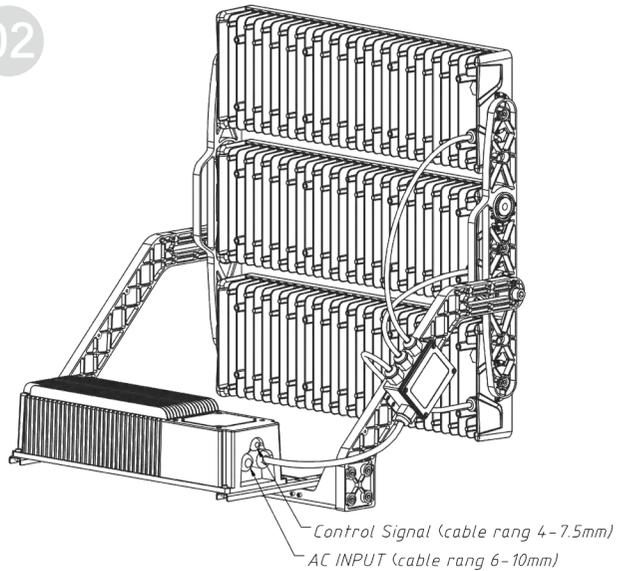
WIRING

01



500W

02



1000W/1500W

Note

- * Power must be cut off before the lamp is installed or the wires are connected.
- * It's natural that the surface temperature would be higher to some extent during usage.
- * Do not apply any external force on the lamp or intentionally drop it.
- * LED flood light should be stored in a cool, dry and clean place.
- * Lamps used to be inside a solid grounding, reliable access to the user site grounding-system.
- * For more information, please contact our sales supervisor.

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