

SP02 Eco

SP02 Eco is an integrated and round stadium light, which with cold forging process heat sink, low process cost, fast heat conduction, and good heat dissipation effect. The high permeability lens made a higher light efficiency and lower light loss. Multi-sided optical design, reduce glare and controls light uniformity. This can help enhance the performance and efficiency of the sports light. Both LEDs and the driver has separate radiators that do not interfere with each other. Distance between the heat sink and the driver (110mm) ensures the drive away from the heatsink heat effects. This can be critical in maintaining the lifespan and reliability of the high-power driver and reducing light attenuation. SP02 design an integral structure waterproofing, the waterproof rating is IP66, ensuring the consistency of waterproofing capability, which makes it suitable for use in a wide range of outdoor environments.

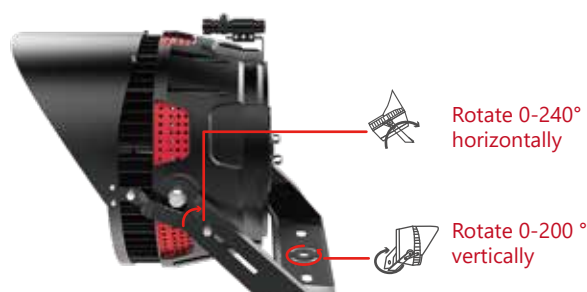




SPORTS LIGHT

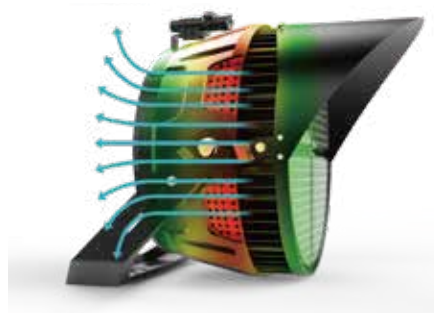
Friendly Structural Design

Our engineers have professional experience in case practice, designing an U-bracket to help it easy to install and maintain. Angle adjustment structure to help the light rotate 0-240 ° horizontally and 0-200 ° vertically, which can use more flexible for the use of large professional stadiums.



Super Heat Management

Both LEDs and the driver has a separate heat sink that does not interfere with each other. Distance between the heat sink and the driver (110mm) ensures the drive away from the heatsink heat effects. This can be critical in maintaining the lifespan and reliability of the high-power driver and reducing light attenuation.



Laser Sight Helps To Precision Aiming

The laser sight is a useful optional accessory that can enhance aiming point accuracy. It helps to precisely align the light to the aiming point, leading to better installation efficiency and saving installation and maintenance time.



Visor To Trim The Excess Upward Light

Visor is very helpful in controlling spill light and limiting glare, which is important for avoiding disruption to surrounding areas such as residential zones or parking areas.



High light efficiency 150Lm/W, 140Lm/W optional

The light efficiency has 150 Lm/W and 140 Lm/W optional, which makes the SP02 integrated high-power sports lights can cater to different lighting projects and provide customers with the ability to choose the most appropriate light efficiency based on their specific needs and priorities.

LENS



Products are designed with a seamless combination of advanced free forms optics and structure. Unique micro multi-facet optic design makes the light uniformity even and reduced glare. Advanced material maximizes light transmittance. From 15° to 120° lens angle options are available.

IP66 Water-Proof Rating

To ensure SP02's durability and reliability in outdoor environments, our engineers designed an integral structure with a waterproof rating of IP66. Adequate testing and quality control ensure the waterproofing capability of each sports light. This involves tests such as water spray testing or submersion tests.

SSD For LED Chips

Solid State Design" (SSD) for LED chips is simple, durable, and reliable. It makes easier manufacturing processes, lower manufacturing costs, and increased efficiency. The absence of non-removable components in a solid-state LED design reduces the likelihood of failure due to component degradation or damage. Without external connectors or wires that could fail, the LED chip becomes more reliable, minimizing the need for replacements or repairs.

No Electrical Interference

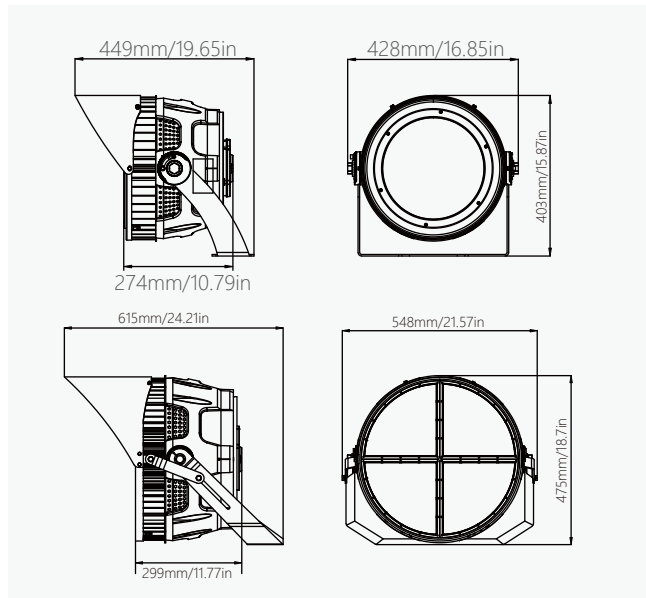
Design a state-of-the-art circuit system that works harmoniously with other systems, while generating ultra-low EMI noise and minimizing electrical interference.



Parameters

Model No.	HL-SP300WD/400WD/500WD-S-A-X	HL-SP750WD/1000WD/1200WD-S-A-X
Wattage	300W/400W/500W	750W/1000W/1200W
Light Efficiency	150Lm/W-160Lm/W	140Lm/W-150Lm/W
Lumen Flux(@5700K)	45,000Lm-80,000Lm	105,000Lm-180,000Lm
CCT	3000K/4000K/5000K/5700K/6500K	
Beam Angle (±5°)	30°/45°/80°/120°	15°/20°/40°/60°
CRI	70	
SDCM	<5	
Input Voltage	AC 100-277V/200-480V	
Power Factor	95%	
THD	≤15%	
Percent flicker(%)	<1%	
Surge Protection	10KV	
Protection against electric	Class I	
IP(Environmental location of luminaries)	IP66 Water-proof (Wet location)	
IK	IK08	
EPA	0.97ft² With Visor, 0.85ft² Without Visor	1.42ft² With Visor, 1.23ft² Without Visor
Operating Temp Ranger	-40℃ ~ +50℃ @ outdoor(-104℉ ~ +122℉ @outdoor)	
Intelligent control	0-10V/1-10V Dimming, DALI, PWM, DMX	
Lifetime	100,000H(L70B50@25℃)/100,000H(L70B50@77℉)	
Weight (kg/lbs)	300W: 14kg±0.5/30.86±1.1lbs 400W-500W: 14.8kg±0.5/32.63±1.1lbs	750W-1000W: 25.3kg±0.5/55.78±1.1lbs 1200W:27.3kg±0.5/60.19±1.1lbs
Dimension(mm/in)	449*428*403mm/19.65*16.85*15.87in	615*548*475mm/24.21*21.57*16.7in
Packing Dimension(mm/in)	450*450*355mm/17.72*17.72*13.98in	620*570*415mm/24.41*22.44*16.34in
Warranty	5 years	
Certificate	UL / DLC / CE / RoHS	
Specification	LED: Lumileds(300-500W), Osram/Samsung(7500-1200W) Driver: Moso/POWERLAND/DONE	
Material	Structure: Cold-forging/High Thermal Conductivity AL Finish: Powder coated Lens: Polycarbonate Color: Black	

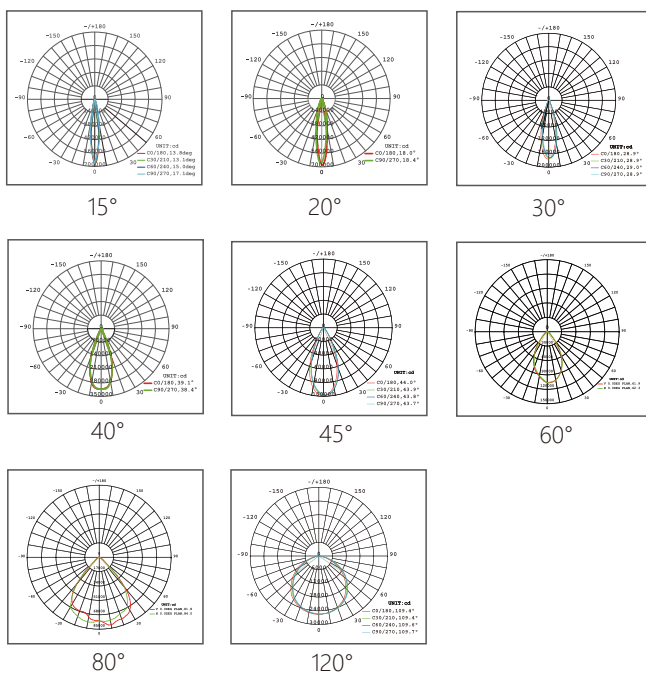
Dimension



Mounting Options



Photometric Diagrams



Applications

Outdoor / Indoor / Industrial

- Sports & recreational fields
- Large-scale outdoor events
- Industrial and construction sites
- Parking lots and garages
- Crane lighting
- Security and outdoor surveillance



Sports Complex



Football Pitch



Industrial & construction sites



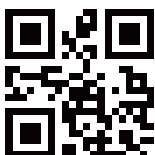
Parking Lot



Port Lighting



Airport



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