



# SP09

SP09 LED sports light series offers a comprehensive lighting solution for stadiums. Anti-Glare grille and visors to ensure high-quality lighting. Optoelectrical separation solution to save material costs and avoid the interference of heat to the driver, to ensure efficient operation. Humanized structure design for convenient installation, enhancing safety in high-altitude operations, and saving labor costs.





1000W/1200W/1300W



600W/680W/800W

# SPORTS FIELD LIGHTING

## Experience Brilliant Illumination with New Stadium Lights

- ❶ High-quality lighting effect, controlling glare while ensuring a total light flux of up to 150,000lm.
- ❷ Optional anti-glare grille to reduce glare and control light uniformity.
- ❸ Large light-emitting area, saving materials, and improving light utilization.
- ❹ Equipped with a visor to prevent glare and light spill, say goodbye to light pollution.

## Optical accessories for Choose



Optional visor



Optional anti-glare grille.

Flat heat sink, ensuring sufficient heat dissipation area and air circulation space.



- 1 Opto-electrical separation design to reduce material costs.
- 2 Separation of power supply and heat sink, extending the overall lamp life.

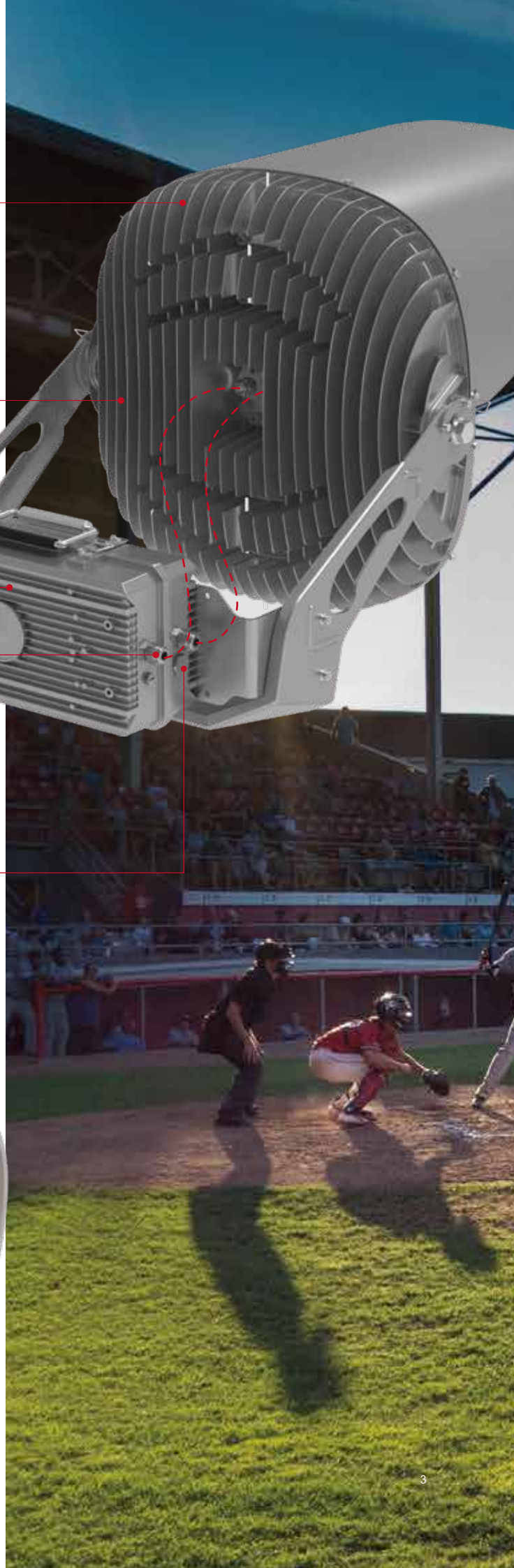
In-distribution  
box power  
supply  
installation

Independent or in-distribution box power supply installation, suitable for replacing HID products, easy installation, and maintenance.

Quick plug-and-play wiring for easy installation and maintenance.

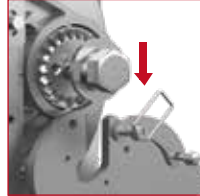
### Dimmer Connector

Reserved intelligent module installation position, compatible with various remote smart control solutions such as 0-10V Dimming, PWM, Dali, DMX, Synapse, etc.





**User-friendly structural design,  
enhancing safety in  
high-altitude operations and  
saving labor costs.**



Snap-on installation structure, enabling single-person installation.



Incremental 2.5deg tick marks to allow for precise aiming and to facilitate the alignment of luminaires.

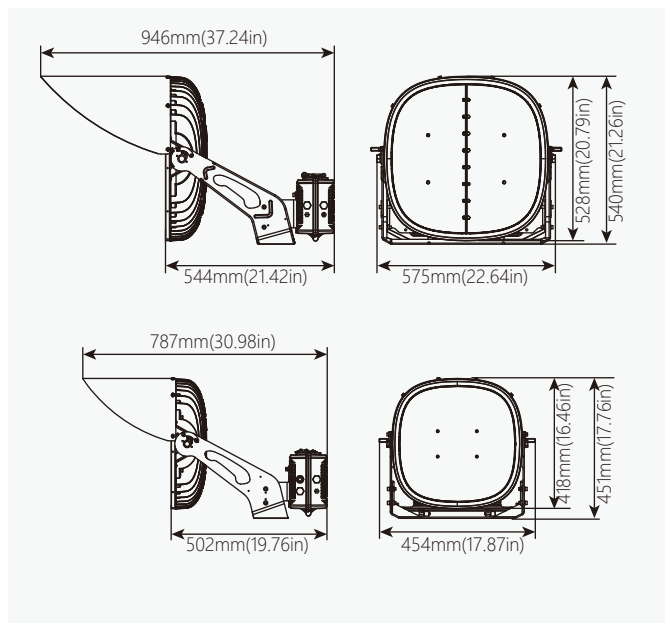




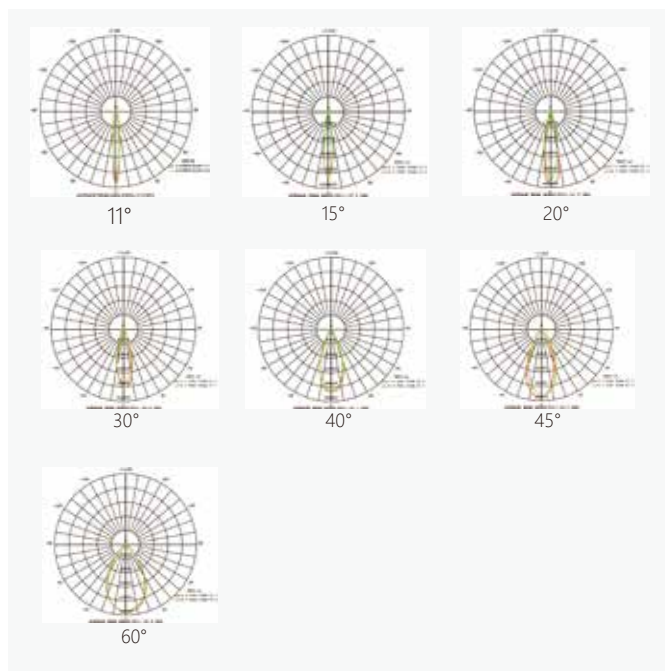
## Parameters

| Model No.                                        | HD-SP09-1000W/1200W/1300W                                                                                                                                   | HD-SP09-600W/680W/800W                                                                                                                     |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Wattage                                          | 1000W/1200W/1300W                                                                                                                                           | 600W/680W/800W                                                                                                                             |
| Light Efficiency                                 | 145Lm/W~150Lm/W                                                                                                                                             | 150Lm/W~160Lm/W                                                                                                                            |
| Lumen Flux(@5700K)                               | 145,000Lm~195,000Lm(±10%)                                                                                                                                   | 90,000Lm~120,000Lm(±10%)                                                                                                                   |
| CCT                                              | 3000K/4000K/5000K/5700K, RGB/RGBW Optional                                                                                                                  |                                                                                                                                            |
| Beam Angle (±5°)                                 | 11°/15°(Samsung), 20°/40°/60°(Lumileds)                                                                                                                     | 15°(Samsung), 20°/40°/60°(Lumileds)                                                                                                        |
| CRI                                              | 70, (80, 90, TLCI>90 Optional)                                                                                                                              |                                                                                                                                            |
| SDCM                                             | ≤5                                                                                                                                                          |                                                                                                                                            |
| Input Voltage                                    | AC 200-480V                                                                                                                                                 |                                                                                                                                            |
| Power Factor                                     | ≥0.95                                                                                                                                                       |                                                                                                                                            |
| THD                                              | ≤15%                                                                                                                                                        |                                                                                                                                            |
| Percent flicker(%)                               | <3%                                                                                                                                                         |                                                                                                                                            |
| Surge Protection                                 | 10KV                                                                                                                                                        |                                                                                                                                            |
| Protection against electric                      | Class I                                                                                                                                                     |                                                                                                                                            |
| IP <i>(Environmental location of luminaries)</i> | IP66<br><i>Wet location</i>                                                                                                                                 |                                                                                                                                            |
| IK                                               | IK08                                                                                                                                                        |                                                                                                                                            |
| EPA                                              | Front: 2.9ft <sup>2</sup> , Side: 1.02ft <sup>2</sup>                                                                                                       | Front: 1.93ft <sup>2</sup> , Side: 0.8ft <sup>2</sup>                                                                                      |
| Operating Temp Ranger                            | -40 C ~ +50 C @ outdoor<br>-40 F ~ +122 F @outdoor                                                                                                          |                                                                                                                                            |
| Intelligent control                              | 0-10V Dimming, PWM, Dali, DMX, Synapse                                                                                                                      |                                                                                                                                            |
| Lifetime                                         | 100,000H(L70B50@25 C)<br>100,000H(L70B50@77 F)                                                                                                              |                                                                                                                                            |
| Weight (kg/lbs)                                  | Without Driver: 22.7kg±0.5 / 50.04lbs±1.1<br>Without Driver and Visor: 22kg±0.5 / 48.50lbs±1.1<br>Driver Component: (7.5kg~10kg)±0.5 / (16.54~22.05lbs)±1.1 | Without Driver: 13.7kg±0.5 / 30.20lbs±1.1<br>Without Driver and Visor: 13kg±0.5 / 28.66lbs±1.1<br>Driver Component: 6kg±0.5 / 14.55lbs±1.1 |
| Dimension(mm/in)                                 | 544*575*540mm<br>21.42*22.64*21.26in                                                                                                                        | 502*454*451mm<br>19.76*17.87*17.76in                                                                                                       |
| Packing Dimension(mm/in)                         | 780*630*355mm<br>30.71*24.80*13.98in                                                                                                                        | 755*535*320mm<br>29.72*21.06*12.60in                                                                                                       |
| Warranty                                         | 7 year, Isolated(5 year, Non-isolated)                                                                                                                      |                                                                                                                                            |
| Certificate                                      | UL / DLC / FCC                                                                                                                                              |                                                                                                                                            |
| Specification                                    | LED: Samsung, Lumileds<br>Driver: Sosen, Inventronics, Powerland                                                                                            |                                                                                                                                            |
| Material                                         | Structure: Die-casting/High Thermal Conductivity AL<br>Finish: Powder coated<br>Lens: Polycarbonate<br>Color: Gray                                          |                                                                                                                                            |

## Dimension



## 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



Baseball Field



Parking Lot



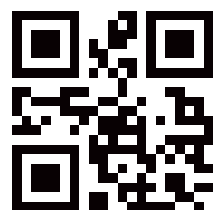
Industrial & construction sites



Airport



Port Lighting



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