

# G4.5

HD Lighting introduced the G4.5 flood sports light, a high efficiency module for stadiums. Using LED chips, it can provide up to 750W of power with one module or 1500W with two. The G4.5 is lightweight and weighs just 21.5 kg for the 1500W version, making installation and maintenance easier without sacrificing performance. It has a mounting bracket allowing a 100mm horizontal adjustment and can rotate at a wide angle of 0-270°, providing accurate and even lighting for the entire field. This ensures precise positioning and uniform distribution of light, making it suitable for professional playing fields. The G4.5 also features a lens and glass double protection system to protect the light source, reduce light attenuation, and prevent dust accumulation, making it suitable for environments with wind and sand.



CB

CE



RoHS





1200W/1400W/1500W

600W/700W/750W

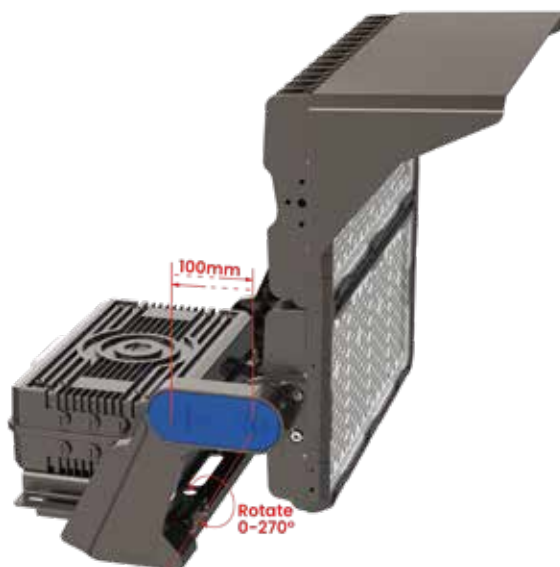
## Lightweight & Cost Saving

The G4.5 flood sports light is a high-power module designed for stadiums. It can provide up to 750W of power with a single module, or up to 1500W with two modules, thanks to the high efficiency LED chips. G4.5 stadium light is lightweight in design. 1500w just 21.5 kg, it is 30-40% lighter than other stadium lights with similar power in the market. This makes installation and maintenance easier without sacrificing performance.

## Horizontal Fine-tuning Help To Provide Accurate And Even Lighting

The G4.5 mounting bracket is designed with a 100mm horizontal adjustment distance. The entire light can rotate at a wide angle of 0-270°, providing accurate and even lighting for the entire field. This is particularly advantageous for professional playing fields. When multiple G4.5 lights are mounted on high masts (15-30m), the horizontal fine-tuning feature allows for precise adjustment of each light to different areas and corners of the pitch. This improves the lighting quality and enhances the visual experience for athletes and spectators.

In summary, the G4.5's adjustable mounting bracket and rotational capability ensure precise and uniform lighting for professional fields, making it a preferred choice for professional pitch lighting solutions.



## Concise ID design

G4.5 flood light boasts a concise design with no visible screws on its surface. This careful attention to aesthetics enhances the overall integrity of the product's appearance.



## Opto-electrical separation solution

The G4.5 features a photoelectric separation design that keeps the driver separated from the heat generated by the sink, minimizing the impact of heat on its performance. Furthermore, the driver box mounting bracket allows for flexible installation in any suitable location. Additionally, the driver can be conveniently installed in a distribution cabinet, providing ease of maintenance and labor savings.



## Lens & Glass Double Protection

The G4.5 features a luminous surface that incorporates a lens and glass double protection system. The lens ensures better light distribution control, while the glass protects the lens from environmental factors, reducing light attenuation and improving the lifespan of the light source. Additionally, the glass surface prevents the accumulation of dust and debris, making it particularly suitable for environments with wind and sand.



## Die-cast AL Mounting Bracket

G4.5 flood light incorporates a die-cast aluminum mounting bracket, which offers exceptional strength and durability. This robust fixture can withstand heavy-duty usage and environmental elements, ensuring reliable performance over an extended lifespan.



## Super Heat Management

The heat sink is made of metal material with fast heat conduction, the temperature rise test is 50 °C [ The reference value of temperature rise is 70 °C ], and the heat dissipation management is very good.





## Parameters

Model No.	HD-G4Pro-600W-700W-750W	HD-G4Pro-1200W-1400W-1500W
Wattage	600W/700W/750W	1200W/1400W/1500W
Light Efficiency	130Lm/W-140Lm/W@5700K, Ra70, 30°	
Lumen Flux(@5700K)	78,000Lm-105,000Lm	156,000Lm-210,000Lm
CCT	3000K/5000K/5700K	
Beam Angle(±5°)	15°(600W)/20°/30°/40°/60°/90°/120°/P40°NB/P40°MB/P40°WB/P30°SNB/A60°	
CRI	Ra≥70, Ra≥80, Ra>90, TLCI>90 Optional	
SDCM	5	
Input Voltage	AC200-240V/AC200-450V	
Power Factor	0.95	
THD	<15%	
Percent flicker(%)	1%	
Surge Protection	10KV	
Protection against electric	Class I	
IP (Environmental location of luminaries)	IP66	
IK	IK08	
EPA	1.72ft <sup>2</sup>	3.45ft <sup>2</sup>
Operating Temp Ranger	-40°C ~ +50°C @outdoor/-40 °F ~ +122 °F @outdoor	
Intelligent control	1-10V Dimming, DALI, DMX	
Lifetime	50,000H L70B50@25 °C / 50,000H L70B50@77 °F	
Weight (kg/lbs)	14.5±1kg(without driver, driver box: 6kg) 31.97lbs±2.2(without driver, driver box: 13.2lbs)	21.5±1kg(without driver, driver box: 6kg/9.5kg) 47.40lbs±1.1(without driver, driver box: 13.2lbs/20.94lbs)
Dimension(mm/in)	618.5*355.2*605.6mm 24.35*13.98*23.84in	618.5*607.8*605.2mm 24.35*23.92*23.84in
Packing Dimension(mm)	660*600*330mm 25.98*23.62*13.00in	930*672*330mm 36.61*26.46*13.00in
Warranty	7 years	
Certificate	UL/CE/CB/ENEC/RoHS	
Specification	LED: Samsung, Lumileds Driver: Huadian, Inventronics	
Material	Structure: Die-casting/High Thermal Conductivity AL Finish: Powder coated Lens: Glass+Polycarbonate Color: Brown	



## Driver Optional



**HD-680/800M-S202BH ( Isolated driver)**

Net Weight: 6kg(13.23lbs)

Dimming: 0-10V / DALI(with extra Decoder)

DMX(with extra Decoder)



**HD-1200/1600M-L202BH ( Isolated driver)**

Net Weight: 9.5kg(20.94lbs)

Dimming: 0-10V / DALI(with extra Decoder)

DMX(with extra Decoder)

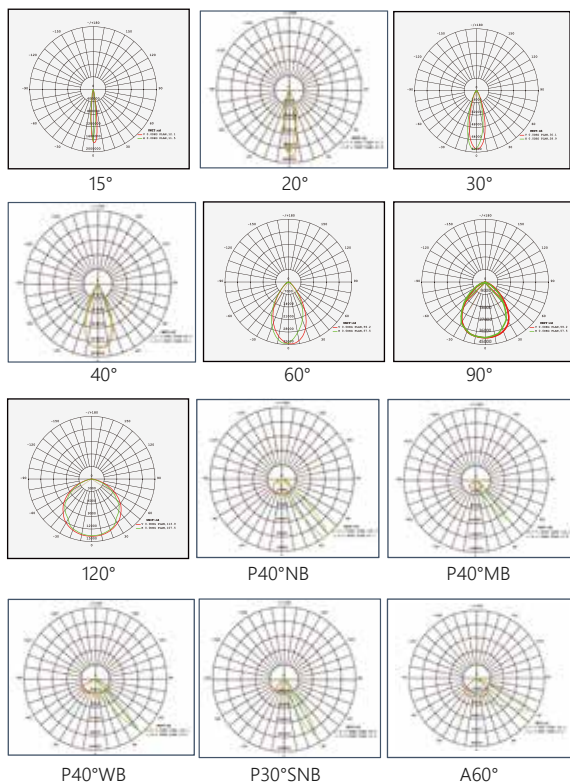


**HDE-1800STH500C ( Unisolated driver)**

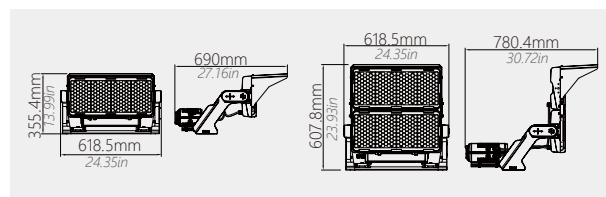
Net Weight: 6kg(13.23lbs)

Dimming: 0-10V / DALI / DMX (Three-in-one Dimmer, but can only use one of them at the same time.)

## Photometric diagrams



## Dimension (mm)



## Optional Accessories



Wireguard



Visor



Precision Aiming

## 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



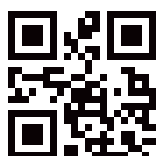
Industrial & construction sites



Airport



Port Lighting



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