



# GloMax LED Sports & High Mast Light



# WHAT ARE THE ADVANTAGES OF OUR PRODUCT

GloMax, the new generation LED sports and high-mast area lighting fixture, combines exceptional performance with energy efficiency, diverse optical designs, and superior thermal management. Packaged in a stylish design, it ensures long-term low maintenance costs.



## 01 ALL-IN-ONE DESIGN TO PERFORM

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## 02 FLICKER-FREE/SLOW MOTION REPLAY

Slow Motion Replay captures the thrilling moments of contestants in action. With the advancements in high-definition camera technology, conventional 4K cameras can reach up to 2000fps. GloMax, utilizing the Inventronic/Sosen LED driver, fully achieves a flicker-free effect, catering to the requirements of Slow Motion Replay.

## 05 CUTTING-EDGE THERMAL MANAGEMENT SYSTEM

The lifespan and reliability of a light fixture largely depend on its thermal management system. This system incorporates three passive cooling methods: conduction, radiation, and convection. The fin-design enhances heat dissipation and conduction areas, significantly improving heat dissipation, performance, and lifespan.

GloMax exercises strict control over the temperature rise of LED nodes to ensure its outstanding reliability.

## 06 SPILL LIGHT-FREE

Many suburban sports grounds are primarily surrounded by residential homes. Spill lighting from these grounds can significantly disrupt the daily lives of the residents.

GloMax features an asymmetrical optical lens design and an optional visor. This ensures that the light is concentrated on the sports ground, preventing spillage into residential homes or nearby areas.

## 03 MODULAR DESIGN CONCEPT

GloMax employs a modular design concept with each module ranging from 250-300W. It can incorporate up to six modules, reaching a maximum of 1800W. This design allows for flexible light control, and it's equipped with a laser aimer for precise targeting on the field.

Thanks to the modular design, GloMax applies to all kinds of stadiums, sports venues, airport, ports etc.

## 04 LOW WIND RESISTANCE, HIGH PROTECTION

Thanks to its modular design, the connections between each module aren't entirely sealed, reducing the overall EPA. GloMax boasts an IP66 and IK10 rating, ensuring durability and protection. Additionally, it comes equipped with a wire guard for ball-proofing and a safety rope for added security.

GloMax integrate built in 10KV surge protection device as standard.

## 07 GLARE-FREE

Glare control is a crucial aspect of contemporary stadium lighting design. Effective glare control not only allows players to perform at their best, but it also aids in camera filming and enhances the viewing experience for the on-site audience.

GloMax, outfitted with a conventional visor and a uniquely designed optical lens, achieves a glare-free ambience.

## 08 HIGH CORROSION & RUST RESISTANT

Salt mist is the key cause to rust and corrosion of the light fixture, which will decrease the structure strength, reliability and lifespan or even lead to security incident, especially for coastal areas, such as port, wharf etc.

GloMax has multi-ways for high anti-corrosion treatment to meet 1000/2000H neutral salt spray, electrophoresis, double powder coating etc.



# MODERN STADIUMS

Lighting infrastructure plays a pivotal role in contemporary stadiums. LED lighting goes beyond just energy-saving, environmental protection, simplified installation, and reduced maintenance costs. More crucially, it opens new avenues for the stadium. Intelligent control allows for diverse lighting needs, transforming the stadium into a multifunctional venue capable of hosting large-scale events like concerts.



IP66



Up to 160lm/W



IK08/IK10




CRI  
70/80/90




Low Failure



TLCI  
Up to 90+



Long Lifespan



Flicker Free



Fast Heat-dissipation



10KV SPD



Fan enthusiasm drives the spirit of a contest. Pre-game and post-game entertainment keeps fans engaged longer in the stadium. Effective stadium lighting amplifies this experience, making every moment memorable.



Contestants require comfortable, glare-free lighting to minimize reaction times and prevent mistakes, ensuring they perform at their optimal level. For sports like football, it's essential to have perfect illumination in both vertical and horizontal directions.



We adopt optional LEDs with TLCI>90, meeting the requirements of HD cameras for broadcasting. The use of a DC dimming program ensures a flicker-free effect, catering to the needs of slow motion replay.



Lighting inside the stadium is a crucial component of modern stadium illumination. The GloMax series effectively minimizes glare through its multiple anti-glare designs, enabling players to perform at their best.

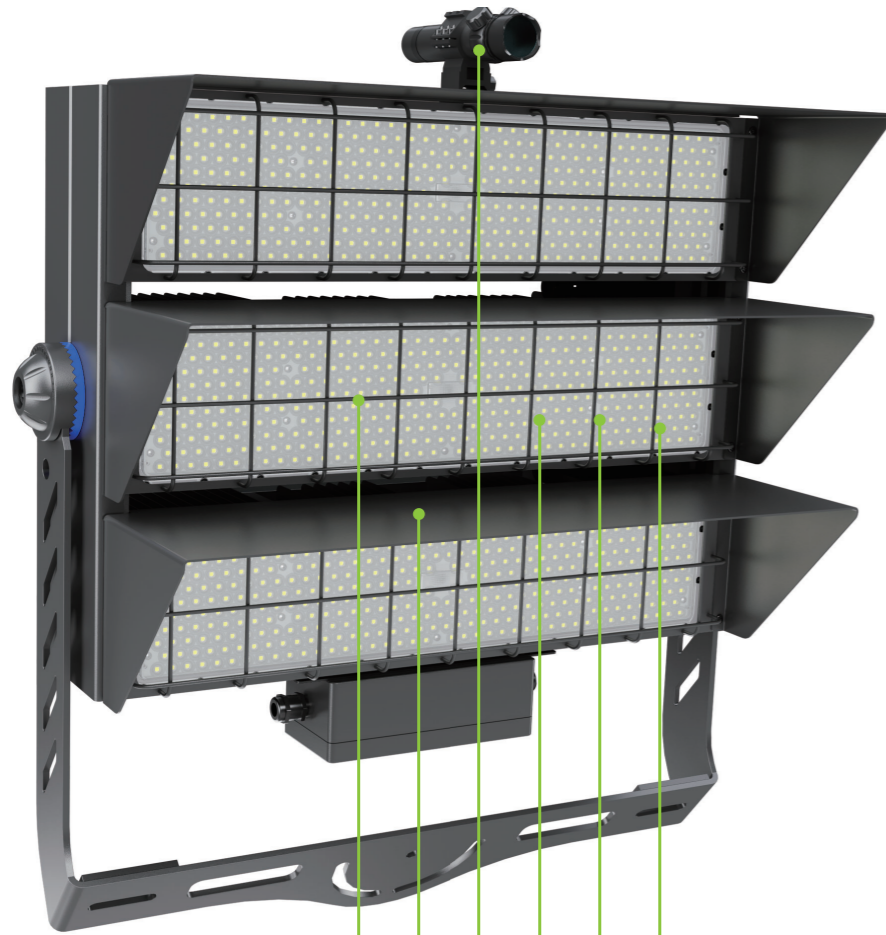


Except lighting inside the stadium, lighting outside the stadium is required to improve as well. ZGSM has corresponding product series for selections



Large stadiums can host tens of thousands of spectators. ZGSM provides a range of lighting solutions, including floodlights, sports lights and high-mast products.





**Wire Guard (Optional)**

Wire guard provides protection for stadium lights, preventing physical damage and ensuring safe operation.

**Visor (Optional)**

Efficiently manage spill light and upward illumination to prevent light pollution.

**Aiming Device (Optional)**

Incorporating an optional laser pointer, it enables precise targeting and on-site installation.

**Optic Lens**

Using the Japanese brand TEIJIN's PC material, UV-resistant, and boast high mechanical strength.

**High Brightness LEDs**

High luminous efficacy up to 185lm/W, high CRI and TLCI , Ra>70, >80, TLCI>90.

**Tempered Glass (Optional)**

4mm high strength tempered glass, further reduces the UV and anti-rust, typically designed for coastal areas.

**Top Brand LED Driver**

Equipped with top brand LED driver: Inventronics or Sosen, ensure the performance and reliability.

**Terminal Box**

Die-cast aluminum ensures corrosion resistance, waterproofing, ease of maintenance, and protection for wire joints.

**Turntable**

The bracket includes a turntable, eliminating the need for a separate rotating mount on the light pole.

**Strong Bracket**

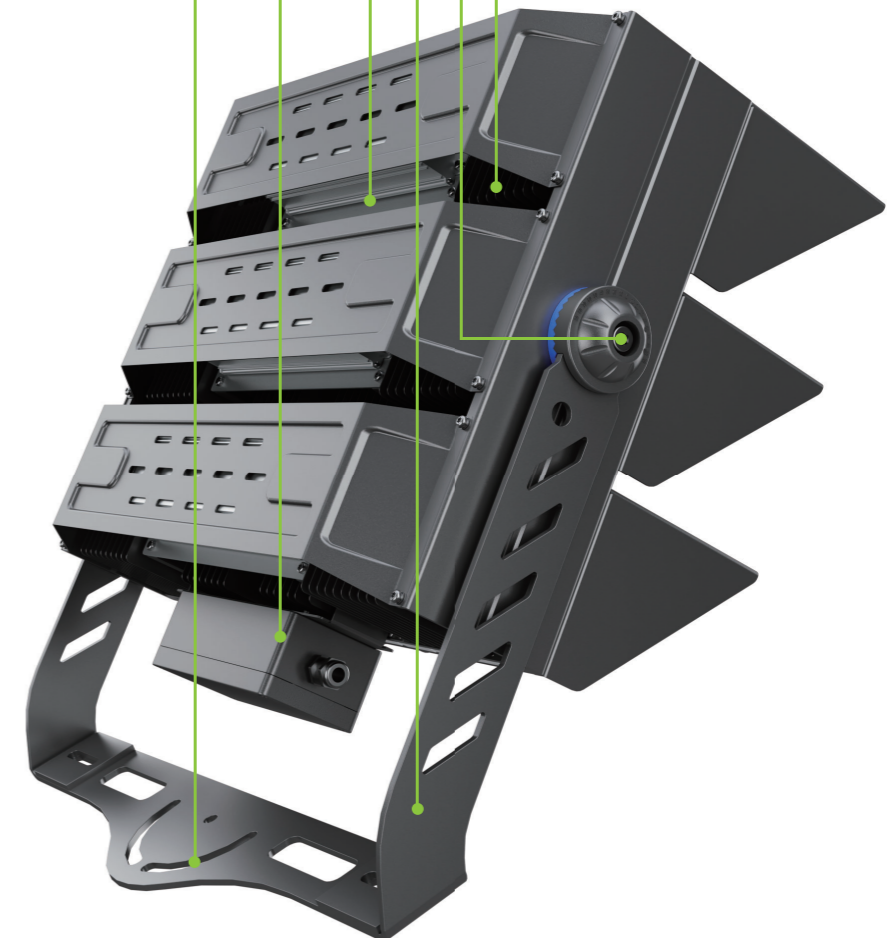
Integrated bracket with hem design ensure the mechanical strength, galvanized treatment for anti-rust.

**Rotating Shaft**


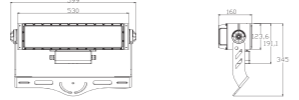
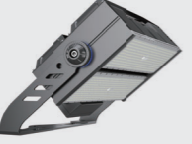
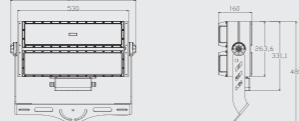

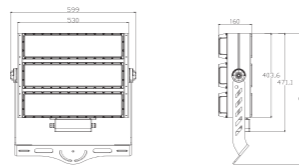

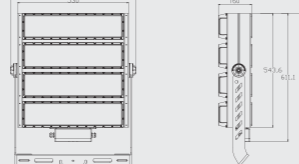

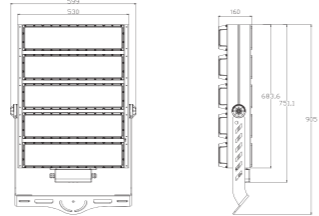

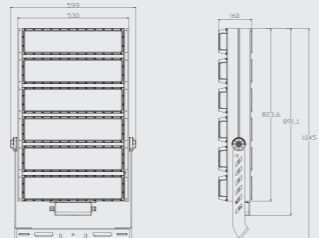
Each adjustment is 10°, allowing for a total installation adjustment of 270°

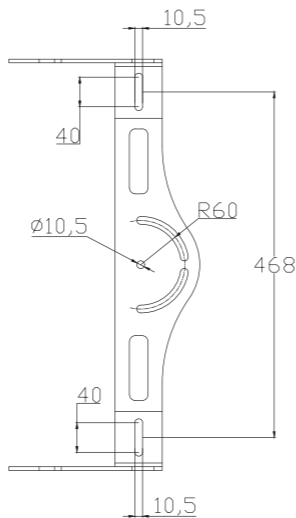
**Finned Heat Sink**

Finned heat sinks optimize cooling, extend LED lifespan, and reduce maintenance costs.





Model	Picture	Dimension
ZGSM-FL09-250 ZGSM-FL09-300  1 LED Module		
ZGSM-FL09-500 ZGSM-FL09-600  2 LED Modules		
ZGSM-FL09-750 ZGSM-FL09-900  3 LED Modules		
ZGSM-FL09-1000 ZGSM-FL09-1200  4 LED Modules		
ZGSM-FL09-1250 ZGSM-FL09-1500  5 LED Modules		
ZGSM-FL09-1500 ZGSM-FL09-1800  6 LED Modules		



**300W /Module**

Model No	ZGSM-FL09-300	ZGSM-FL09-600	ZGSM-FL09-900	ZGSM-FL09-1200	ZGSM-FL09-1500	ZGSM-FL09-1800
Nominal Wattage	300W	600W	900W	1200W	1500W	1800W
Efficiency	155lm /w	155lm /w	155lm /w	155lm /w	155lm /w	155lm /w
Lumen	46500lm	93000lm	139500lm	186000lm	232500lm	279000lm

**250W /Module**

Model No	ZGSM-FL09-250	ZGSM-FL09-500	ZGSM-FL09-750	ZGSM-FL09-1000	ZGSM-FL09-1250	ZGSM-FL09-1500
Nominal Wattage	250W	500W	750W	1000W	1250W	1500W
Efficiency	165lm /w	165lm /w	165lm /w	165lm /w	165lm /w	165lm /w
Lumen	41250lm	82500lm	123750lm	165000lm	206250lm	247500lm

**Fixture Information**

Module No.	Dimension	Weight
1	599 x345 x160mm	7kgs
2	599 x485 x160mm	14kgs
3	599 x625 x160mm	21kgs
4	599 x765 x160mm	28kgs
5	599 x905 x160mm	38kgs
6	599 x1045 x160mm	45kgs

**Package Information**

Module No.	Dimension	Weight
1	655 x405 x230mm	8kgs
2	655 x535 x230mm	15kgs
3	655 x675 x230mm	22 kgs
4	655 x805 x230mm	30 kgs
5	655 x955 x230mm	40 kgs
6	655 x1100 x230mm	47 kgs

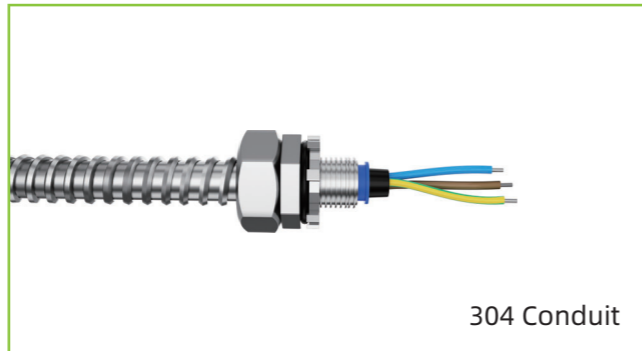
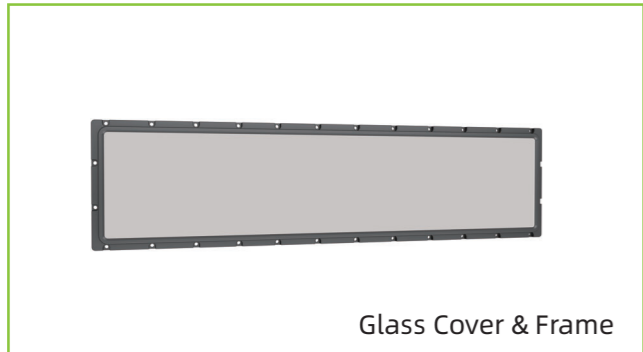
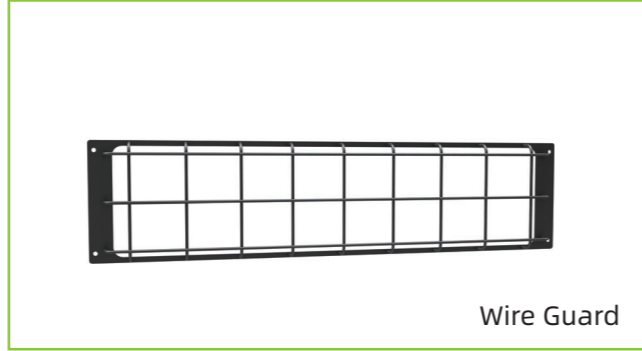
**Electrical Data:**

Nominal Voltage	AC 100-240V /277V   50 /60Hz
LED	Philips Lumileds
Driver	Inventronics /Other brands on request
Power Factor (PF)	>0.95
THD	<15
SPD	10KV (Default) / 20KV on request
Optics	15°, 30°, 45°, 60° or Asymmetrical
Standard Deviation of Color Matching	<5 SDCM
CRI	Ra>70 (Default) /Ra>80 or Ra>90 on request
CCT	3000K, 4000K, 5000K, 5700K, 6500K

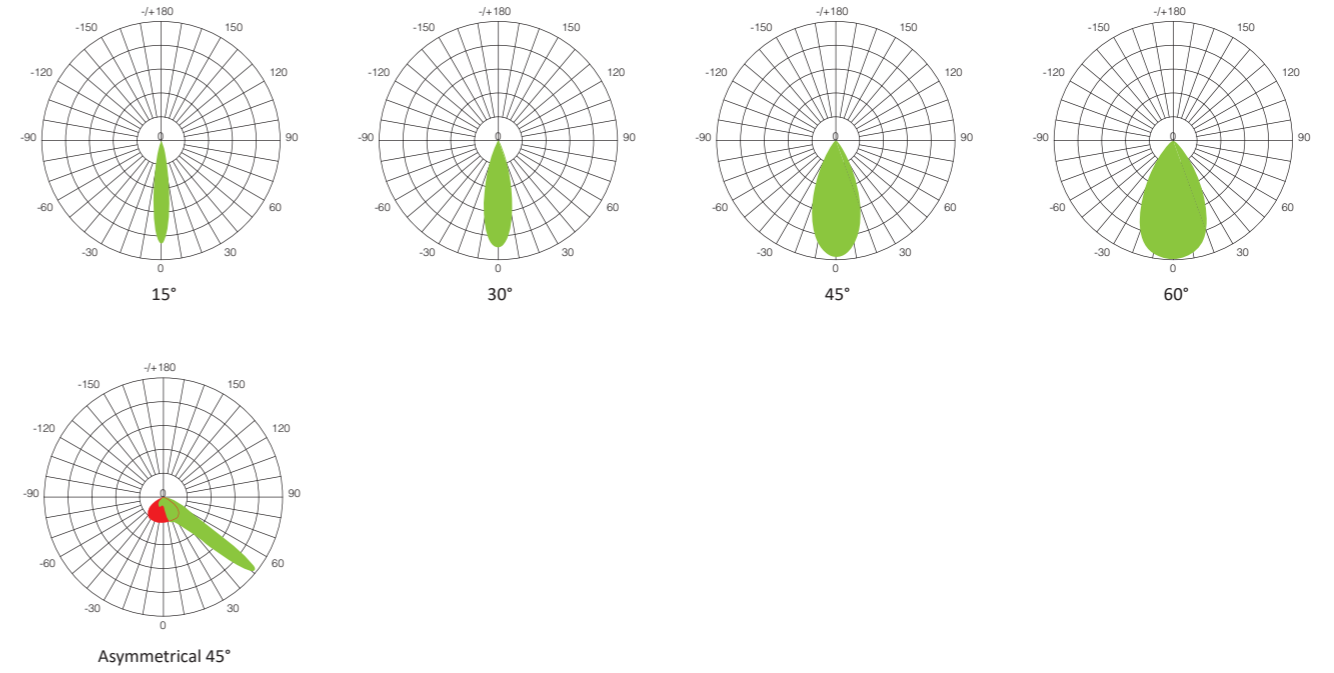
**General Data**

Body Material	Stretched Aluminum Alloy
Housing Color	Black (available on request)
Cover Material	Tempered glass or UV-resistant Polycarbonate
Lens Material	UV-resistant Polycarbonate
Working Environment	-40°C ~ +50°C, 10% ~90%RH
Lifespan L70 at 25 °C	>100, 000 h
Mounting Type	Bracket mounted
Mounting Location	Wall /Pole /Floor /Ceiling
Dimmable	0-10V Dimming (Default) /Timer Dimming
Protection Class	Class I (Default) /Class II
Standards	CE, RoHS, ENEC, CB, LM79, LM80, TM-21, IP66, IK10 pending
Available on request	Photocell, NTC, OLC, DALI Dimming, DMX512, Remote Control





Beam Spread



Application Field

