

# GLOMAX PRO

## High Mast Flood Light

**5 YEAR  
WARRANTY**



### Areas of application

- Sports venues
- Airports and ports
- Train and subway stations
- Large squares and parks
- Industrial and logistics parks
- Intersections of highways

### Product Benefits

- 70% energy savings, short ROI period
- Up to 100,000hrs @ L70, low maintenance cost
- World-class, certified quality components (LEDs, Drivers, etc.)
- Maximum power is 3600W with a luminous flux of 558,000 lm, suitable for all lighting needs
- Modular design for easy maintenance and flexible power configuration
- 5 years warranty

### Product Features

- Luminaire efficacy: Up to 165 lm /w
- Lifetime more than 100,000 hours
- Impact resistance: IK08 /10
- Type of protection: IP66



# 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 3600W. 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 ambiance.

## 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 165lm/W



IK08/IK10




CRI  
70/80/90




Low Failure



5 years warranty



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.

**Aiming Device (Optional)**

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

**High Brightness LEDs**

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



**Visor (Optional)**

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

**Optic Lens**

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

**Tempered Glass (Optional)**

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

**FRONT VIEW**

**BACK VIEW**

**Rotating Shaft**

Each adjustment is 10°, allowing for a total installation adjustment of 360°

**Top Brand LED Driver**

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



**Strong Bracket**

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

**Terminal Box**

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

**Finned Heat Sink**

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

Model	Picture	Dimension (mm)
ZGSM-FL09-2000 ZGSM-FL09-2400  8 LED Modules		 
ZGSM-FL09-2500 ZGSM-FL09-3000  10 LED Modules		  
ZGSM-FL09-3000 ZGSM-FL09-3600  12 LED Modules		 

**300W /Module**

Model No	ZGSM-FL09-2400	ZGSM-FL09-3000	ZGSM-FL09-3600
Nominal Wattage	2400W	3000W	3600W
Efficiency	155lm /w	155lm /w	155lm /w
Lumen	372000lm	465000lm	558000lm

**250W /Module**

Model No	ZGSM-FL09-2000	ZGSM-FL09-2500	ZGSM-FL09-3000
Nominal Wattage	2000W	2500W	3000W
Efficiency	165lm /w	165lm /w	165lm /w
Lumen	330000lm	412500lm	495000lm

-Above values are calculated based on the product with CCT over 3000K, values of 3000K are 5% lower than above values.  
-Values shown are subject to ±5% tolerance.

**Electrical Data**

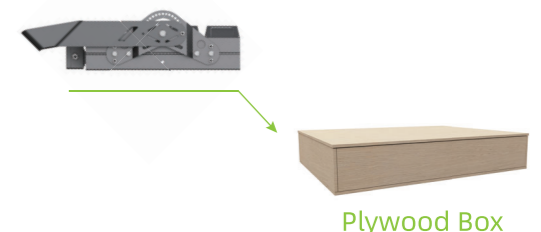
Nominal Voltage	AC 100-240V /277V   50 /60Hz
LED	Lumileds
Driver	Inventronics /Other brands on request
Power Factor (PF)	>0.95
THD	<15
SPD	10KV (Default) / 20KV on request
Optics	15°, 30°, 45°, 60° or Asymmetrical
Standard Deviation of Color Matching	<5 SDCM
CRI	Ra>70 (Default) /Ra>80 or Ra>90 on request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

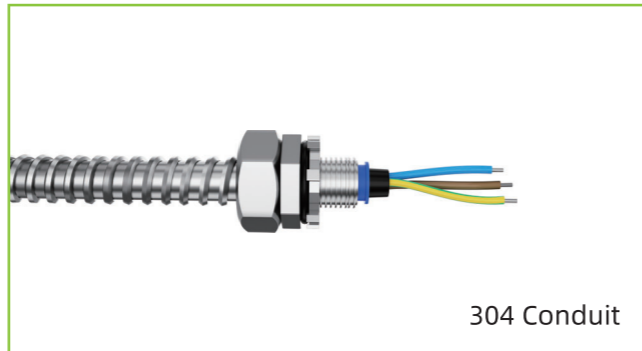
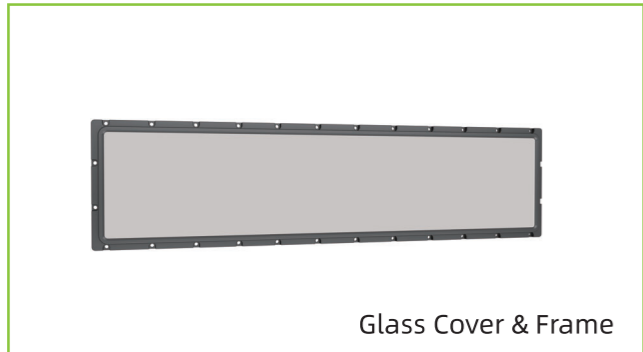
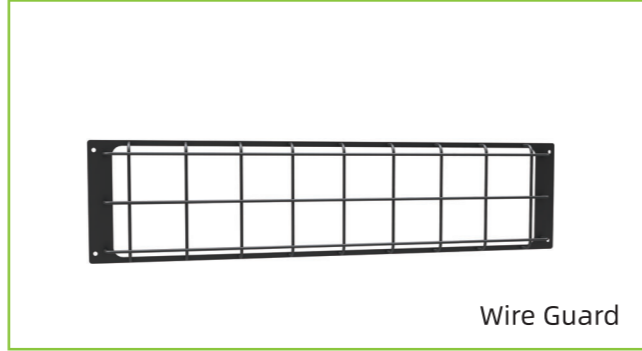
**General Data**

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, LM80, TM-21, IP66, IK10
Available on request	Photocell, NTC, OLC, DALI Dimming, DMX512, Remote Control

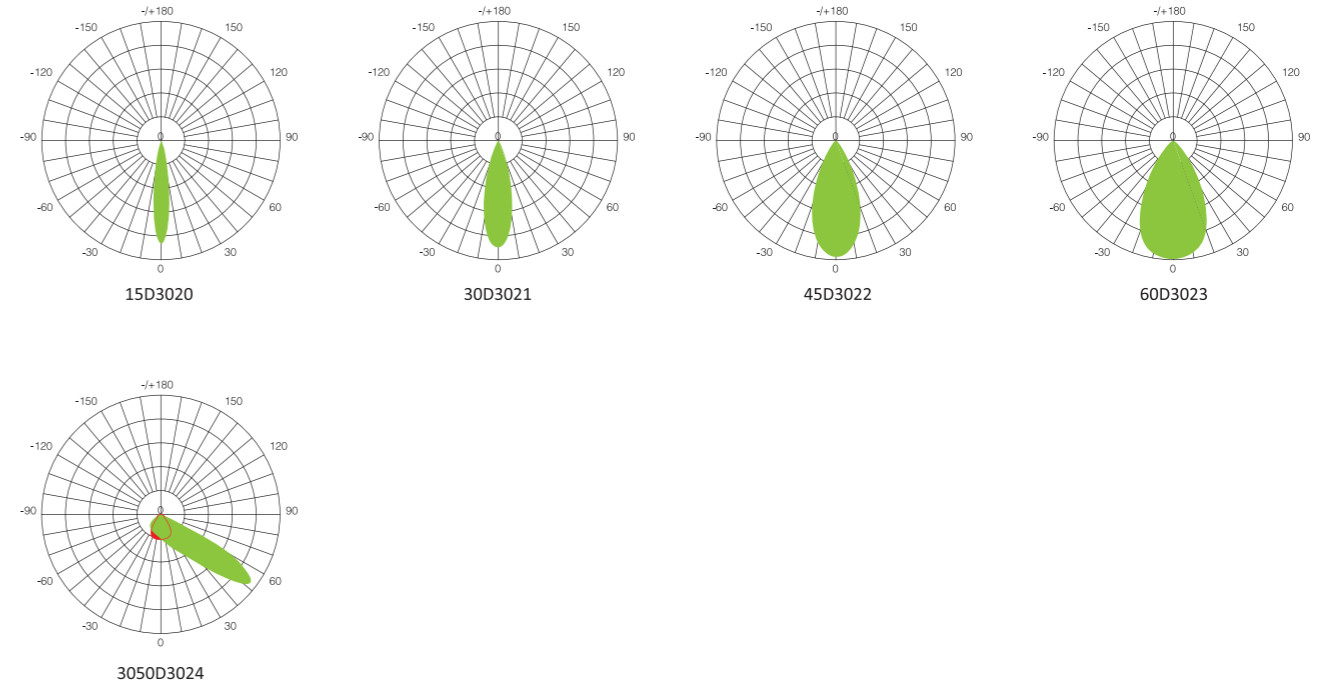
**Package Information**

Model No	Fixture Dimension	N.W	Pack Type	Package Dimension	G.W
FL09-2000 FL09-2400 8 Modules	1162 x766 x210mm	60.0kgs	1unit /box	1220 x830 x270mm	/
FL09-2400 FL09-2500 10 Modules	1162 x906 x210mm	70.0kgs	1unit /box	1220 x970 x270mm	/
FL09-3000 FL09-3600 12 Modules	1162 x1046 x210mm	85.0kgs	1unit /box	1220 x1110 x270mm	/





**Beam Spread**



**Application Field**

