



GL-Max LED Sports & High Mast Light

WHAT ARE THE ADVANTAGES OF OUR PRODUCT

GI-Max, 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. GI-Max, 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.

GI-Max 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.

GI-Max 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



GI-Max 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, GI-Max 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. GI-Max 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.

GI-Max 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.

GI-Max, 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.

GI-Max 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



70/80/90



Low Failure



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.



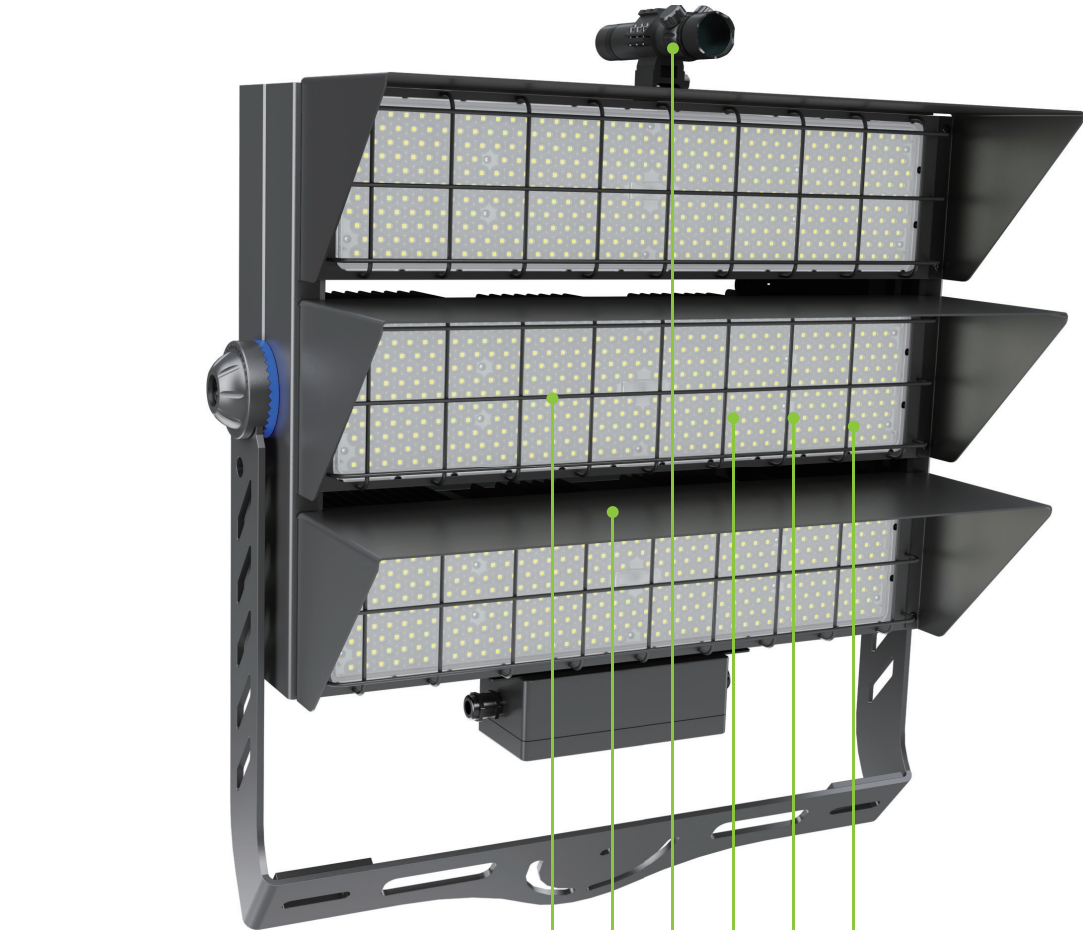
Lighting inside the stadium is a crucial component of modern stadium illumination. The GL-Max series effectively minimizes glare through its multiple anti-glare designs, enabling players to perform at their best.



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



Large stadiums can host tens of thousands of spectators. ENYLED 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

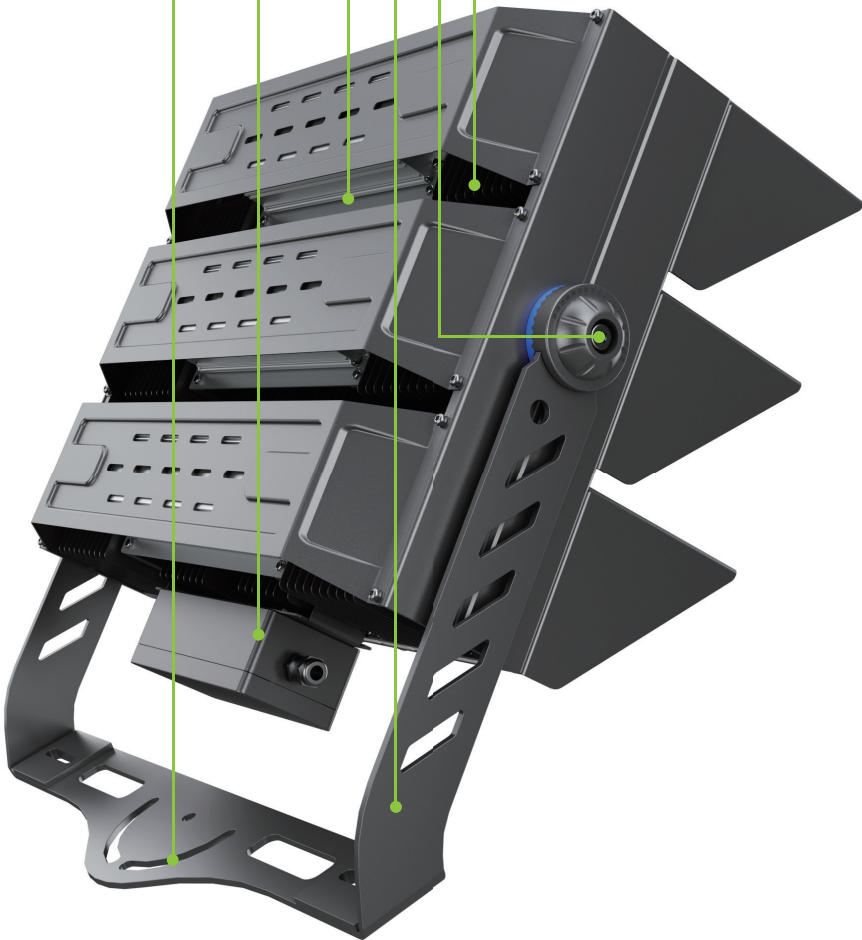
Integrated bracket with hem design ensure the mechanical strength, galvanized treatment for anti-rust.


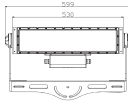





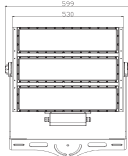
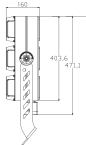

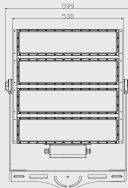


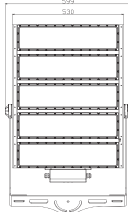


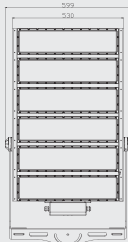

Rotating Shaft

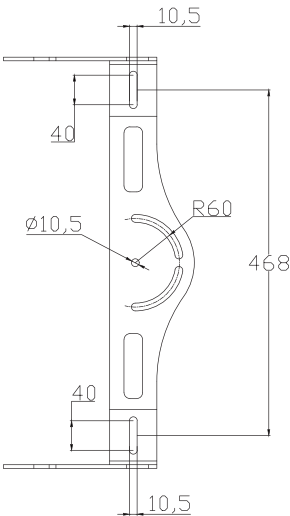
Each adjustment is 10°, allowing for a total installation adjustment of 270°

Finned Heat Sink

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



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



300W /Module

Model No	ENY-FL09-300	ENY-FL09-600	ENY-FL09-900	ENY-FL09-1200	ENY-FL09-1500	ENY-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	ENY-FL09-250	ENY-FL09-500	ENY-FL09-750	ENY-FL09-1000	ENY-FL09-1250	ENY-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

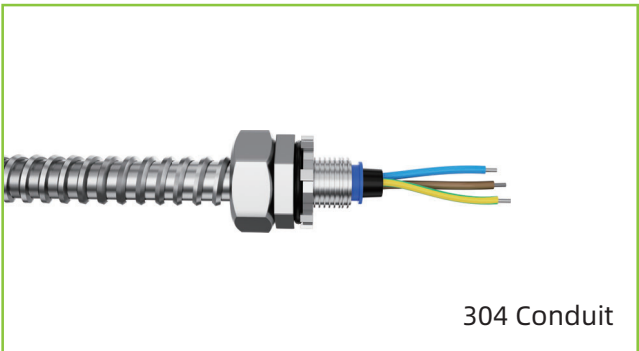
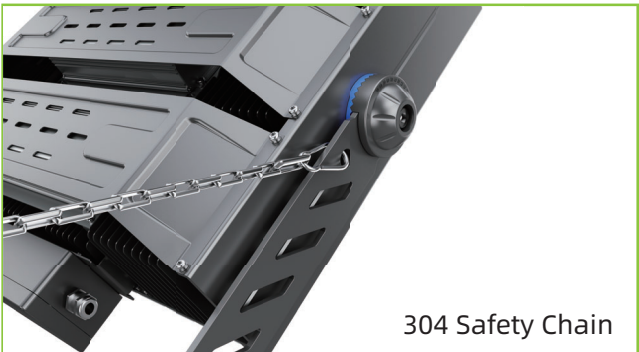
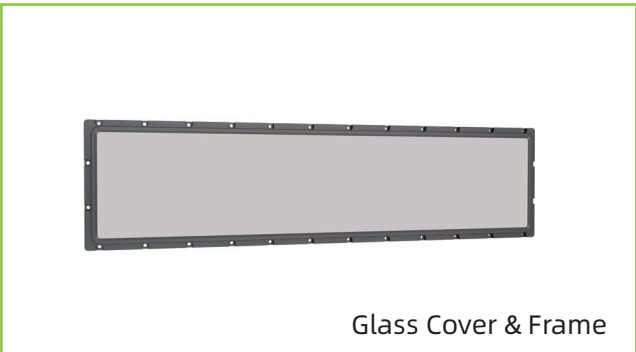
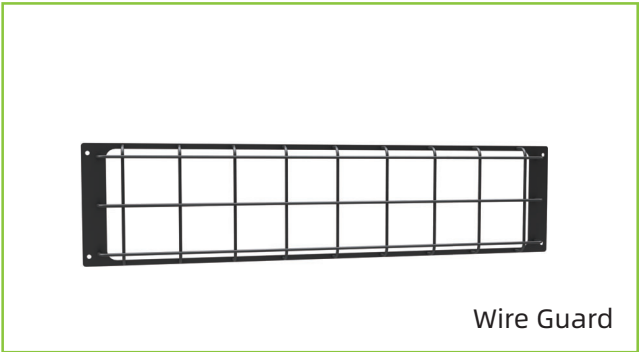
Module No.	Dimension	Weight
1	655 x405 x230mm	8kgs
2	655 x535 x230mm	15kgs
3	655 x675 x230mm	22 kgs
4	655 x805 x230mm	30 kgs
5	655 x955 x230mm	40 kgs
6	655 x1100 x230mm	47 kgs

Electrical Data:

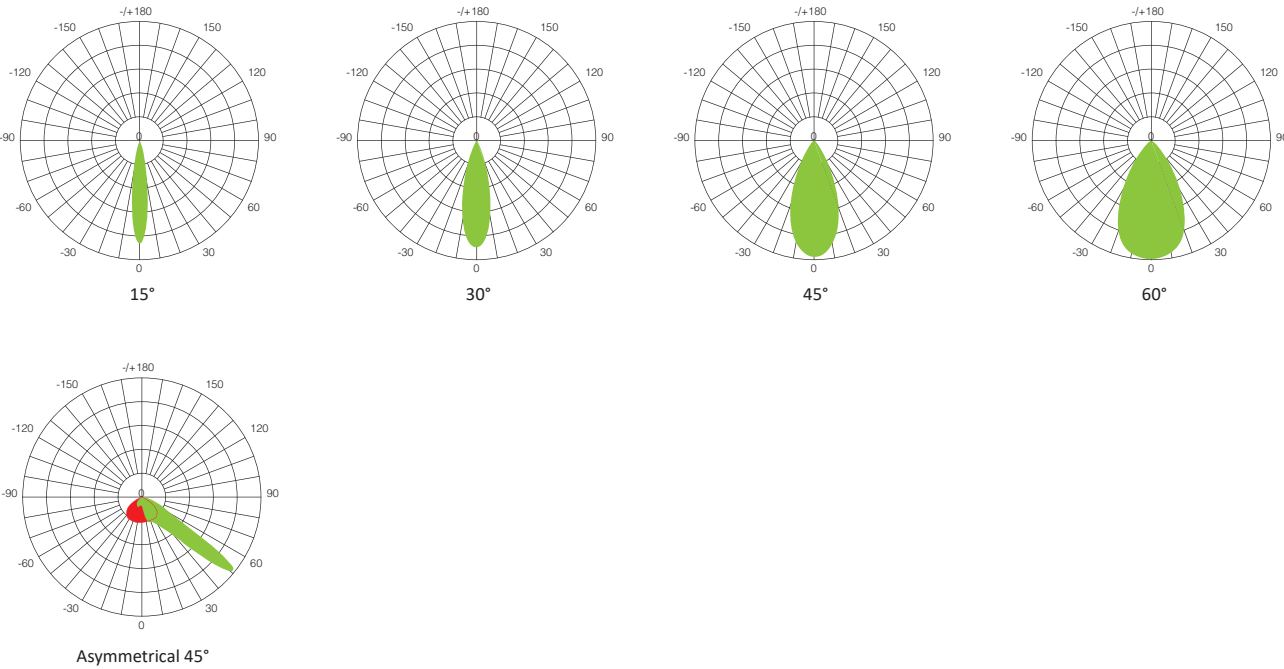
Nominal Voltage	AC 100-240V /277V 50 /60Hz
LED	Philips Lumileds
Driver	Inventronics /Other brands on request
Power Factor (PF)	>0.95
THD	<15
SPD	10KV (Default) / 20KV on request
Optics	15°, 30°, 45°, 60° or Asymmetrical
Standard Deviation of Color Matching	<5 SDCM
CRI	Ra>70 (Default) /Ra>80 or Ra>90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

