SOLUCIONES LED

WHAT ARE THE ADVANTAGES OF OUR PRODUCT

GALAXY, 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. GALAXY, utilizing the Inventronic/Sosen LED driver, fully achieves a flicker-free effect, catering to the requirements of Slow Motion Replay.

05 CUTTING-EDGE THERMAL MANAFEMENT 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.

GALAXY 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.

GALAXY 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

GALAXY 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, GALAXY 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. GALAXY 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.

GALAXY 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.

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

08 HIGH CORROSION & RUST RESSISTANT

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.

GALAXY 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

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 GALAXYseries effectively minimizes glare through its multiple anti-glare designs, enabling players to perform at their best.
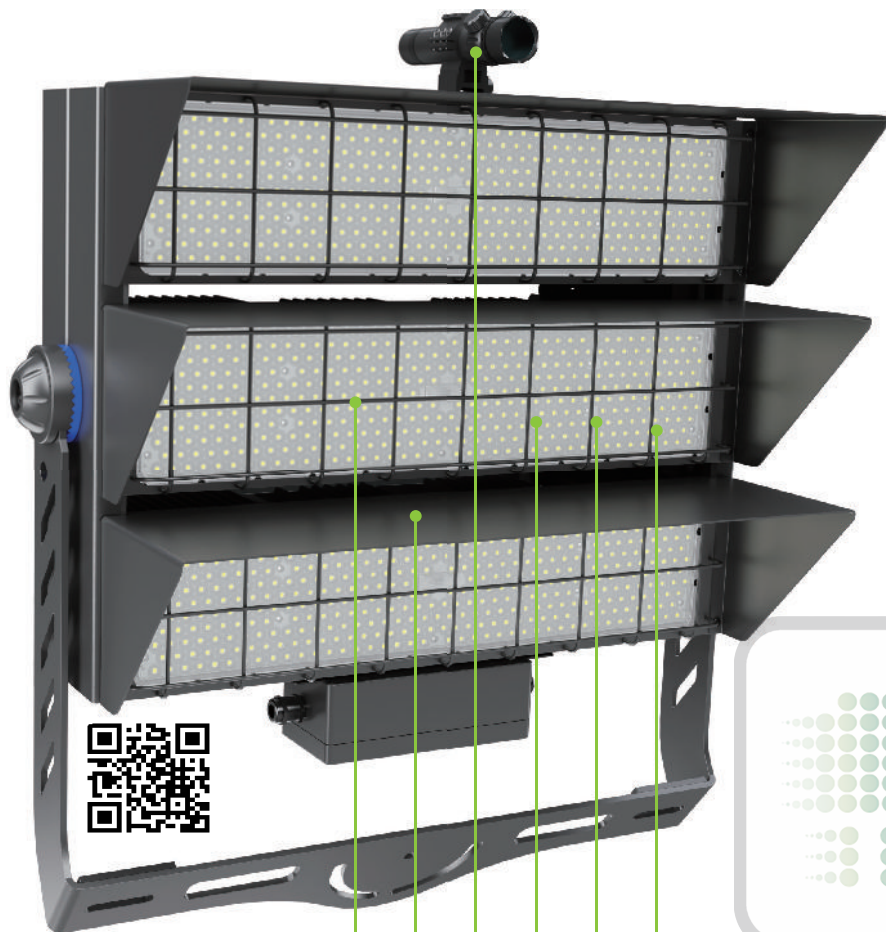
Except lighting inside the stadium, lighting outside the stadium is required to improve as well. SOLED has corresponding product series for selections

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

GALAXY | PRODUCT ADVANTAGE

Top Brand LED Driver

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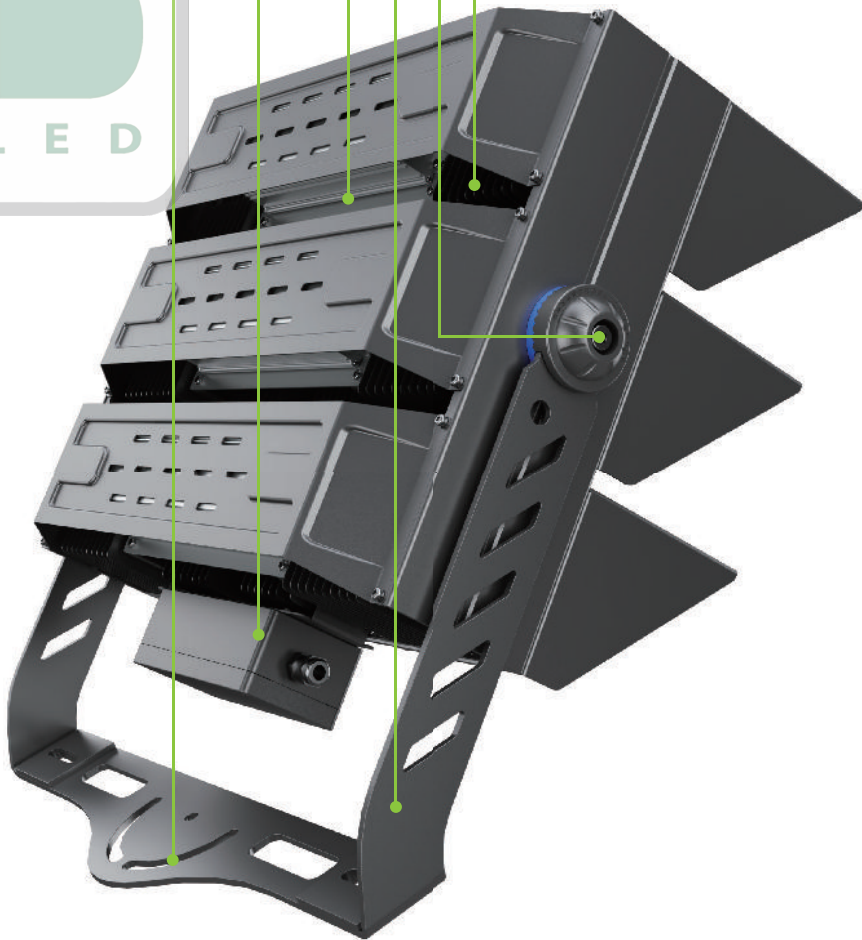
Strong Bracket

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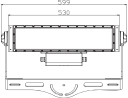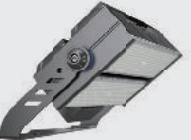
Terminal Box

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

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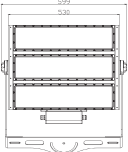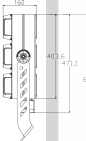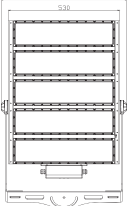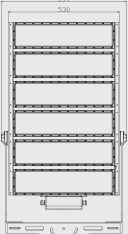
Each adjustment is 10°, allowing for a total installation adjustment of 270°

Turntable

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

Finned Heat Sink

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

Optic Lens

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

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.

High Brightness LEDs

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

Aiming Device (Optional)

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

Tempered Glass (Optional)

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

GALAXY | DIMENSION FIGURE

GALAXY | PRODUCT SPECIFICATIONS

Model	Picture	Dimension
SOLED-250 SOLEDFLZ09-300 1 LED Module		
SOLED-500 SOLEDFLZ09-600 2 LED Modules		
SOLEDFLZ09-750 SOLEDFLZ09-900 3 LED Modules		
SOLEDFLZ09-1000 SOLEDFLZ09-1200 4 LED Modules		
SOLEDFLZ09-1500 SOLEDFLZ09-1500 5 LED Modules		
SOLEDFLZ09-1500 SOLEDFLZ09-1800 6 LED Modules		

300W /Module

Model No	SOLED-FLZ09-300	SOLED-FLZ09-600	SOLED-FLZ09-900	SOLED-FLZ09-1200	SOLED-FLZ09-1500	SOLED-FLZ09-1800
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	SOLED-FLZ09-250	SOLED-FLZ09-500	SOLED-FLZ09-750	SOLED-FFLZ09-1000	SOLED-FLZ09-1250	SOLED-FLZ09-1500
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

-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.

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

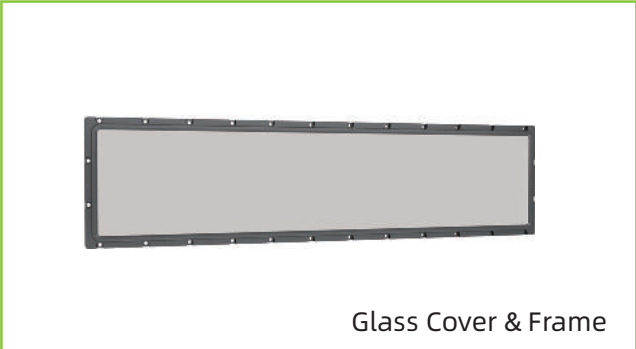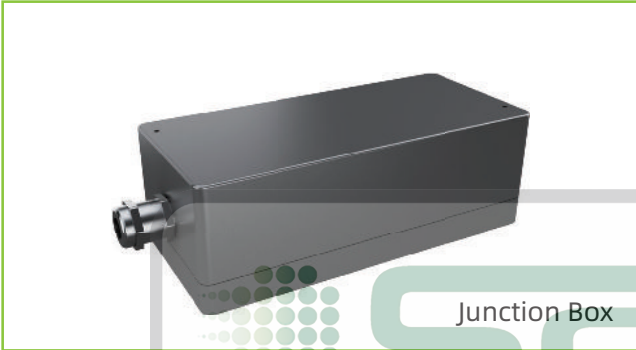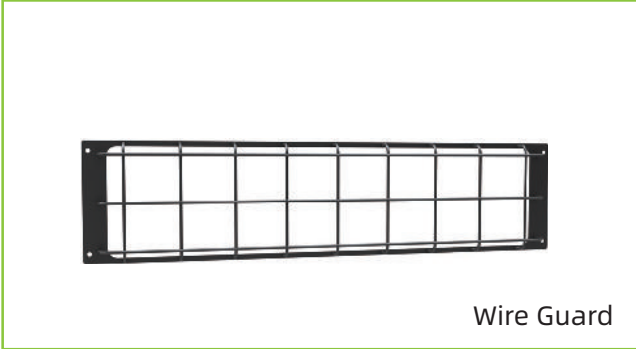| Module No	Dimension	Weight
1	655 x405 x230mm	8kgs
2	655 x535 x230mm	15kgs
3	655 x675 x230mm	22kgs
4	655 x805 x230mm	30kgs
5	655 x955 x230mm	40kgs
6	655 x1100 x230mm	47kgs

Electrical Data

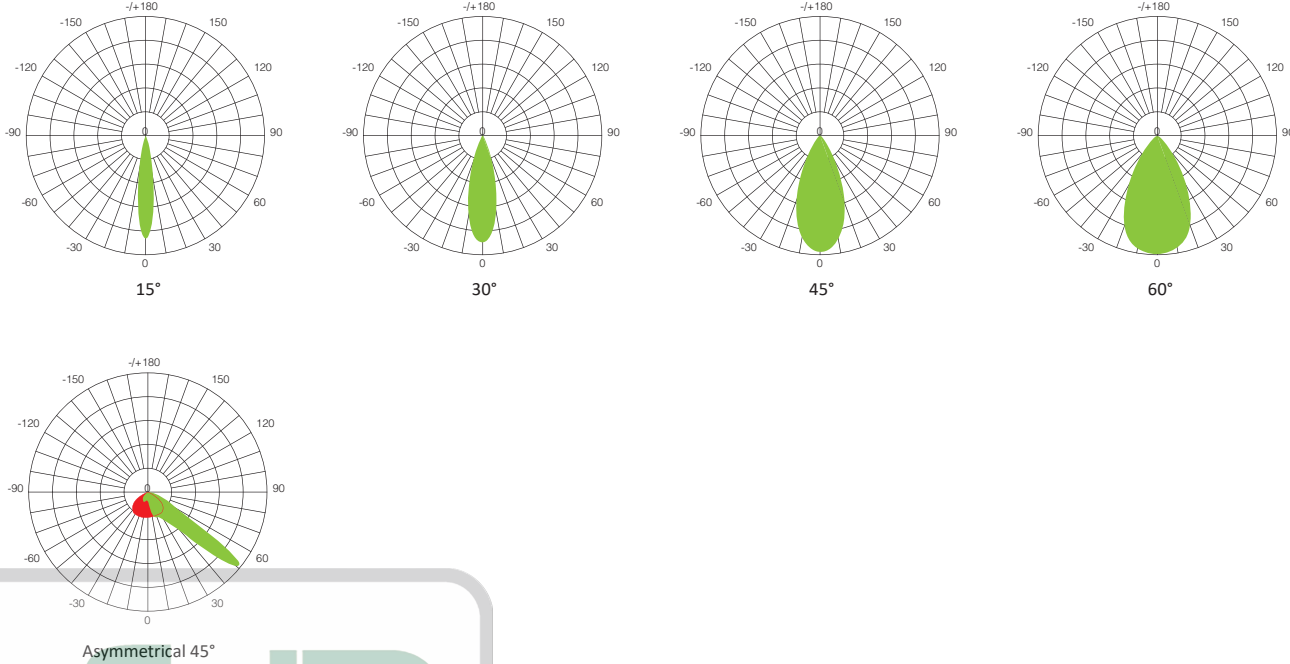|	
Nominal Voltage	AC 100-240V /277V	50 /60Hz
LED	Philips Lumileds
Driver	Inventronics /Other brands on request
Power Factor (PF)	>0.95
THD	<15
SPD	10KV (Default) / 20KV on request
Optics	15°, 30°, 45°, 60° or Asymmetrical
Standard Deviation of Color Matching	<5 SDCM
CRI	Ra>70 (Default) /Ra>80 or Ra>90 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℃ ~ +50℃, 10%～90%RH
Lifespan L70 at 25 ℃	>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

GALAXY | MAIN ACCESSORIES

Laser Pen

Wire Guard

Visor

Junction Box

Glass Cover & Frame

304 Safety Chain

DMX /DALI to 0-10V Dimming Module

304 Conduit
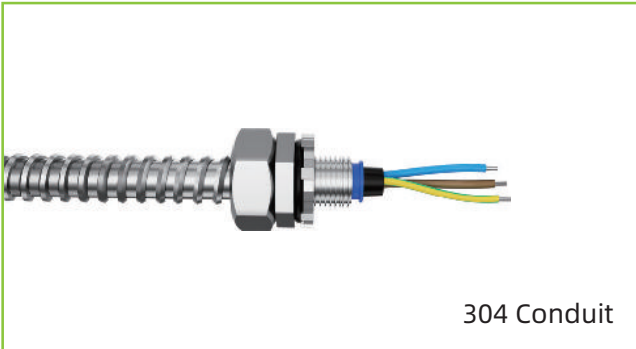
GALAXY | OTHERS

Beam Spread

15°

30°

45°

60°

Asymmetrical 45°

Application Field

Soccer Field

Basketball Court

Hockey Field

Tennis Court

Swimming Pool

Athletic Field

Baseball Field

Badminton Court

Stadium Arena

Exhibition Center

Harbor, Wharf

Airport