



Product Specifications

(TITAN LED HIGH MAST LIGHT)



The Titan LED High Mast Light is an advanced lighting solution designed to replace traditional halogen lamps in stadiums, sports fields, wharf, and large outdoor areas. It offers superior illumination, energy efficiency, and durability. With its high-quality LED technology, precise optics, and robust construction, the Titan LED high mast light provides optimal lighting performance. Designed with anti-corrosion painting and additional Hot-Dip Galvanizing (HDG) bracket, it is suitable for harsh sea environments, ensures improved visibility, reduced energy consumption, and a longer lifespan compared to traditional lamps.

Features

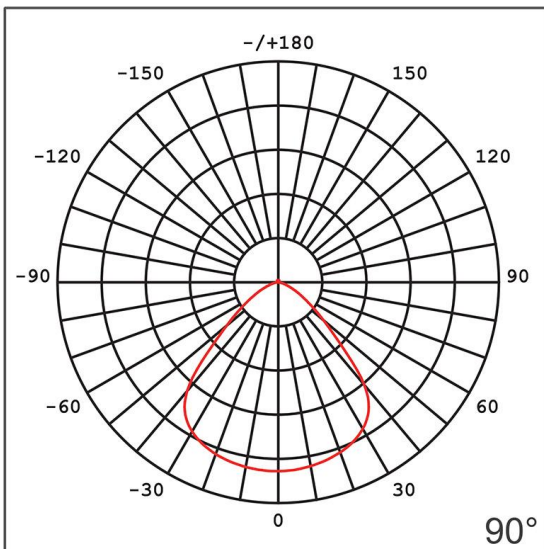
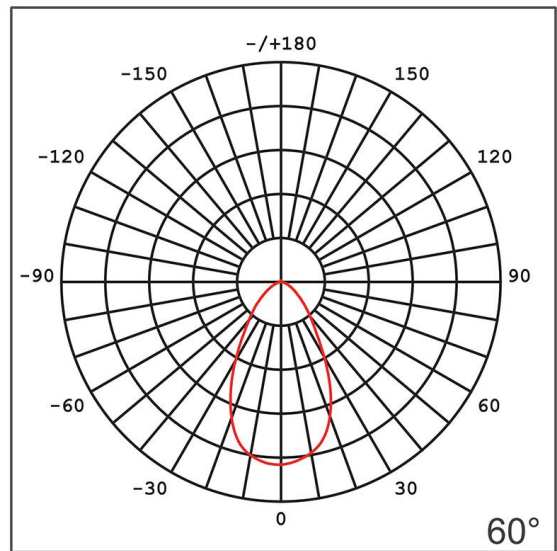
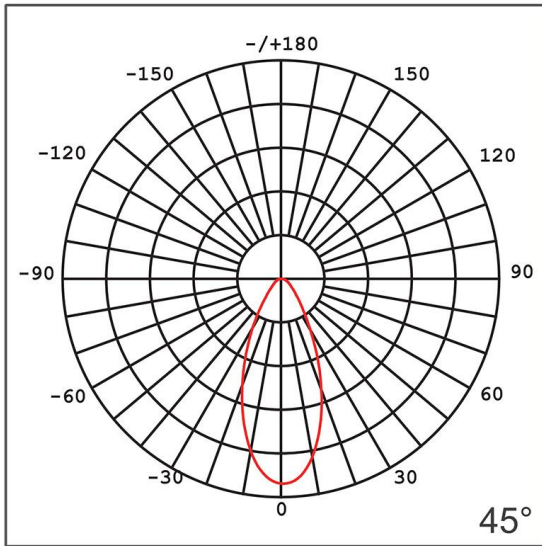
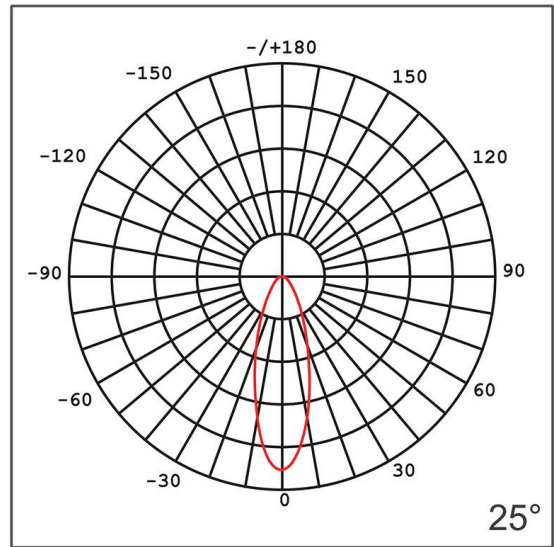
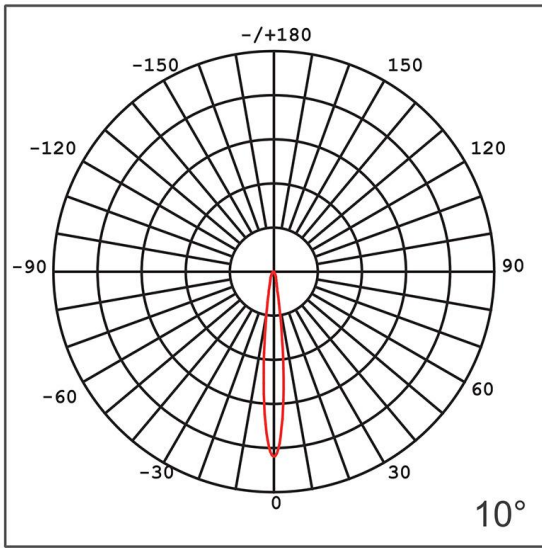
- Die-cast Aluminum heat sinking, high thermal conductivity enables rapid heat dissipation to the outside, excellent thermal management & compact structure;
- Separate modular design, 300W each modular integrated with driver;
- Packed with reputed brand top quality LEDs and power supply to ensure the product reliability and life expectancy, 5 years warranty;
- IP66 structural waterproof design; Double surge protection: driver & extra 10KV SPD;
- Anti UV optical lens, IK08 and light transmittance > 94%, professional light distribution with different beam angles for various applications;
- Optional tempered glass cover, apply in harsh conditions;
- Spill shield to reduce light pollution.

Technical Specifications



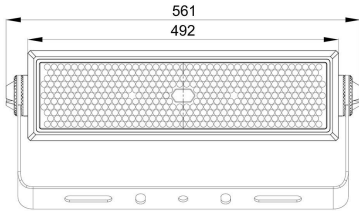
| Model No. | LGS-GSTA-300W | LGS-GSTA-600W | LGS-GSTA-900W | LGS-GSTA-1200W | LGS-GSTA-1500W |
|----------------------|---|---------------|---------------|----------------|----------------|
| Power | 300W | 600W | 900W | 1200W | 1500W |
| Lumen Output | 48,000lm | 96,000lm | 144,000lm | 192,000lm | 240,000lm |
| Lumen Efficiency | 160lm/w | | | | |
| CCT | 3000/4000/5000/5700/6500K | | | | |
| CRI | Ra>80(Ra>90 optional) | | | | |
| Chip Brand | Lumileds/Osram | | | | |
| Beam Angle θ/2 | 10°/15°/25°/45°/60°/90°/65*25° | | | | |
| Light Decay Rate | Less than 3% in 6,000Hours | | | | |
| Lifespan | ≥50,000Hrs | | | | |
| Input Voltage | 100-240VAC 50/60Hz | | | | |
| Power Factor | PF>0.95 | | | | |
| THD | <15% | | | | |
| Driver Brand | Meanwell/Sosen | | | | |
| Material | Die-cast Aluminum Housing+Polycarbonate Lens+Tempered Glass Cover(on request) | | | | |
| Degree of Protection | IP66 | | | | |
| Dimensions | 561*250*148mm | 561*447*148mm | 561*604*148mm | 561*761*148mm | 561*918*148mm |
| Net Weight | 7.2kg | 14.6kg | 20.6kg | 26.6kg | 32.6kg |
| Package | 1pcs/CTN | | | | |
| Gross Weight | 7.5KG | 15KG | 22KG | 28KG | 35KG |
| Carton Dimensions | 630*330*230mm | 630*520*230mm | 630*680*230mm | 630*840*230mm | 630*1000*230mm |
| Finish | Black | | | | |
| Installation | Mounting | | | | |
| Working Temperature | -30°C~+50°C | | | | |
| Storage Temperature | -40°C~+70°C | | | | |
| Certificate | CE, RoHS | | | | |
| Warranty | 5 years | | | | |
| Optional Functions | 0-10V/PWM/DALI/DMX Available on Request | | | | |

Light Distribution Curves

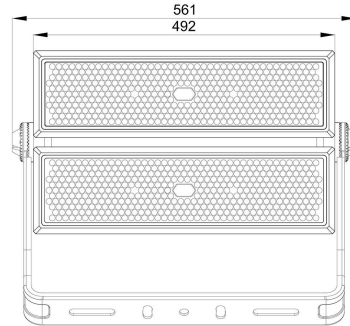
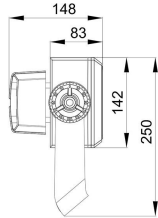


Dimensions and Drawings

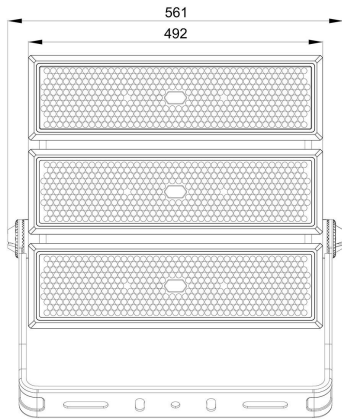
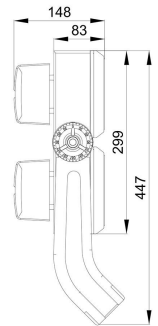
Unit: mm



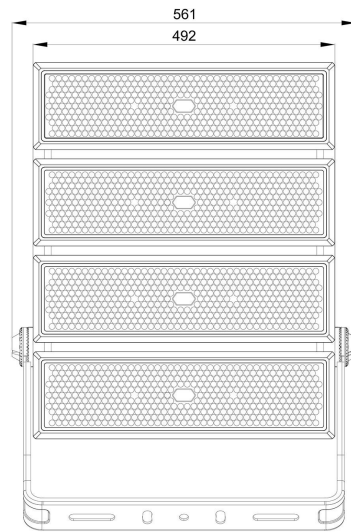
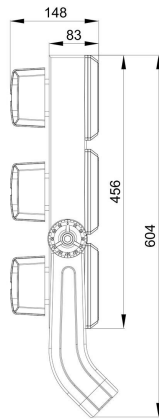
300W



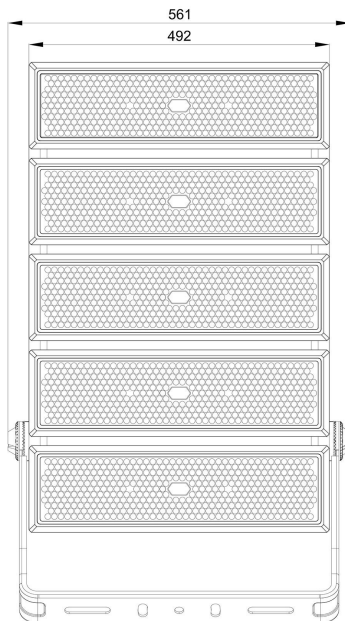
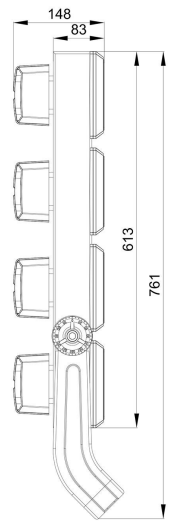
600W



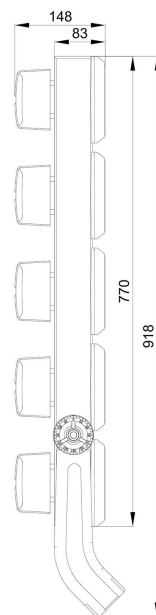
900W



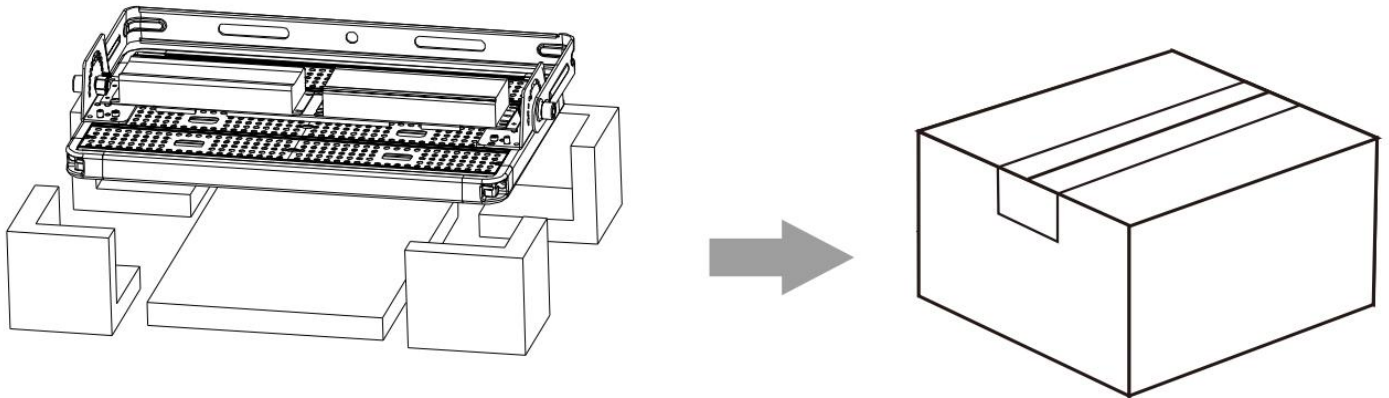
1200W



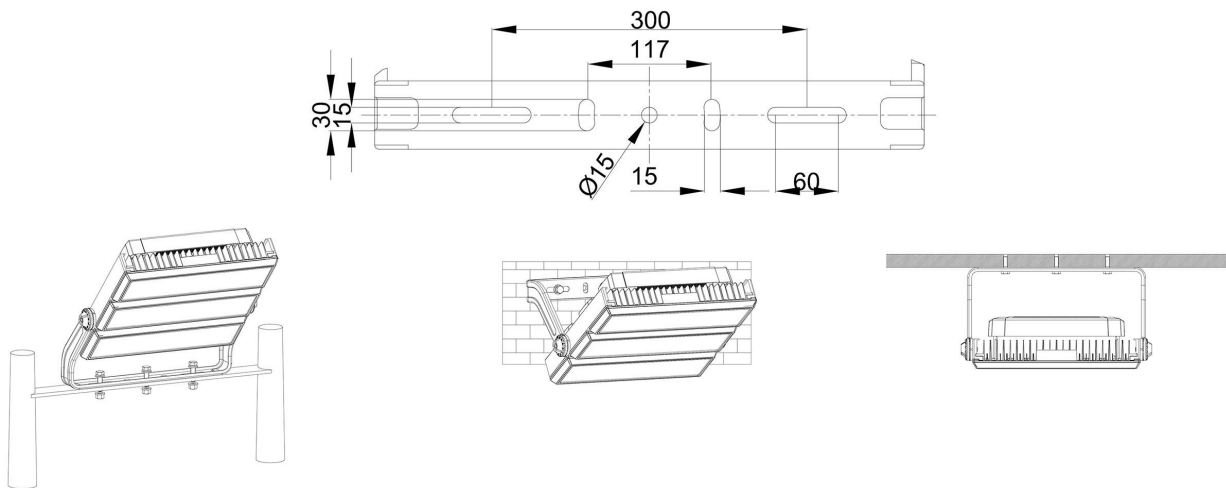
1500W



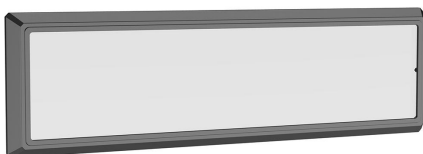
Package



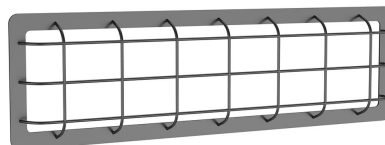
Installations



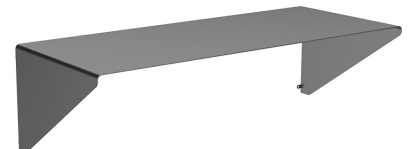
Optional Accessories



Tempered Glass Cover



Anti-Collision Iron Fence



Light Overflow Mask



Surge Protector



Laser Pointer



Waterproof Wire Connection Box

Installation Requirements

1. Power off before installation, and read the instruction carefully;
2. Make sure the installation material can endure the lamp weight;
3. Please prepare two sets of expansion bolts, and drill holes in the installation body, then install the lamp, finally screw down expansion bolts and bracket screws;
4. Connect lamp wire to match power wire, and seal the joint with insulation;
5. The lamp must be installed reliably to prevent loosening and falling off.

Notice

1. Please first read the product specification carefully, make sure the using environment conform to specification, then it can be used;
2. Please confirm the input voltage, frequency before use;
3. This product must be installed by professionals;
4. If there is any damage to the power wire or shell of the product, it should be taken as defective product and do not use it;
5. Dangerous high voltage, non-professionals are not allowed to maintain the product;
6. If external soft cable or soft wire of the light is damaged, it should be replaced by manufacturer or service agent or personnel with similar qualification to avoid danger.