



**Trismart Lighting**

speciality builds higher quality



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## Shenzhen Trismart Lighting Technology Co., Ltd.

Shenzhen Trismart Lighting Technology Co., Ltd. is a research and development, design, production and sales of private high-tech enterprises. Company's management and technical team has 20 years' experience in the development and design of industrial lightings, professional lightings and lighting engineering systems. The chairman of the company, Dr. Chen, is the member of China Lighting Society, the Deputy Secretary General of the Shenzhen Lighting Appliance Association and a senior expert of Shenzhen Lighting Society. Trismart Lighting is a cooperative supplier of European Union led street lamps, a network supplier of Royal Shell (shell) and a network supplier of large enterprises such as Sinopec, PetroChina, State Grid, Datang Electric Power and Huadian Group.



# SZG307H ultra-bright led stadium spotlight

Led spotlight



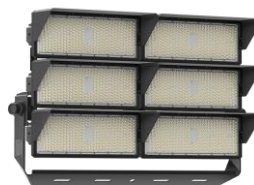
600W



800W



1000W



1200W



1600W

## Technical parameters

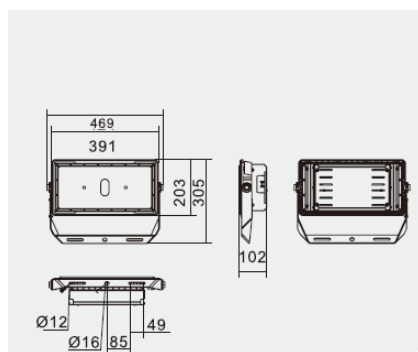
| Parameter items                     | 200W            | 400W            | 600W            | 800W            | 1000W           | 1200W           | 1600W           |
|-------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Input voltage (V)                   | 90-305Vac       | 90-305Vac       | 90-305Vac       | 90-305Vac       | 90-305Vac       | 90-305Vac       | 90-305Vac       |
| Power efficiency                    | ≥95%            | ≥95%            | ≥95%            | ≥95%            | ≥95%            | ≥95%            | ≥95%            |
| Power factor                        | ≥0.95           | ≥0.95           | ≥0.95           | ≥0.95           | ≥0.95           | ≥0.95           | ≥0.95           |
| Surge lightning protection (V)      | 6000            | 6000            | 6000            | 6000            | 6000            | 6000            | 6000            |
| Total harmonic distortion           | ≤10%            | ≤10%            | ≤10%            | ≤10%            | ≤10%            | ≤10%            | ≤10%            |
| Luminous efficiency for led(lm/W)   | 250             | 250             | 250             | 250             | 250             | 250             | 250             |
| Light efficacy for luminaire (lm/W) | 200             | 200             | 200             | 200             | 200             | 200             | 200             |
| Energy efficiency rating of lamp    | Class 1         | Class 1         | Class 1         | Class 1         | Class 1         | Class 1         | Class 1         |
| Energy saving rate                  | 50%             | 50%             | 50%             | 50%             | 50%             | 50%             | 50%             |
| Luminous flux of luminaire (lm)     | 40000±5%        | 80000±5%        | 120000±5%       | 160000±5%       | 200000±5%       | 240000±5%       | 320000±5%       |
| Correlated color temperature (K)    | 3000-6000       | 3000-6000       | 3000-6000       | 3000-6000       | 3000-6000       | 3000-6000       | 3000-6000       |
| Color rendering index (Ra)          | ≥75             | ≥75             | ≥75             | ≥75             | ≥75             | ≥75             | ≥75             |
| Beam angle (°)                      | 10°/30°/45°/60° | 10°/30°/45°/60° | 10°/30°/45°/60° | 10°/30°/45°/60° | 10°/30°/45°/60° | 10°/30°/45°/60° | 10°/30°/45°/60° |
| LED lifespan (h)                    | ≥100,000        | ≥100,000        | ≥100,000        | ≥100,000        | ≥100,000        | ≥100,000        | ≥100,000        |
| Working temperature (°C)            | -35°C - +50°C   | -35°C - +50°C   | -35°C - +50°C   | -35°C - +50°C   | -35°C - +50°C   | -35°C - +50°C   | -35°C - +50°C   |
| IP protection                       | IP66            | IP66            | IP66            | IP66            | IP66            | IP66            | IP66            |
| Quantity of module (pcs)            | 1               | 2               | 3               | 4               | 5               | 6               | 8               |
| Brand of led driver                 | Inventronics    | Inventronics    | Inventronics    | Inventronics    | Inventronics    | Inventronics    | Inventronics    |
| Installation mode of led driver     | external        | external        | external        | external        | external        | external        | external        |
| Dimensions (mm)                     | 469*305*102     | 469*530*102     | 469*740*102     | 469*950*102     | 469*1160*102    | 861*740*102     | 861*950*102     |
| Weight (Kg)                         | 6               | 10.5            | 15              | 19.5            | 24.0            | 30.5            | 37              |
| Mounting mode                       | U-bracket       | U-bracket       | U-bracket       | U-bracket       | U-bracket       | U-bracket       | U-bracket       |
| Recommended mounting height (m)     | 10-15           | 15-20           | 20-30           | 30-40           | 40+             | 40+             | 40+             |
| warranty                            | 5 years         | 5 years         | 5 years         | 5 years         | 5 years         | 5 years         | 5 years         |

**Note:** 1. According to GB 30255-2026: the luminous efficacy of Class 1 energy-efficient luminaire is 170-180 lm/W; for Class 2, it is 145-155 lm/W; and for Class 3, it is 100-110 lm/W.

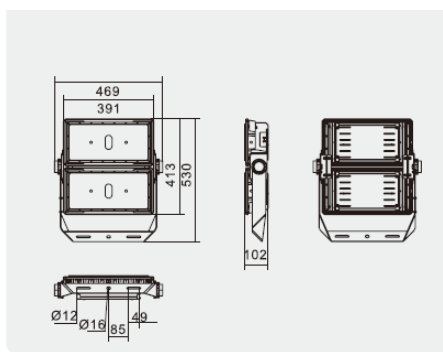
2. Energy saving rate is compared with the conventional luminaire of class 3 energy efficiency rating.

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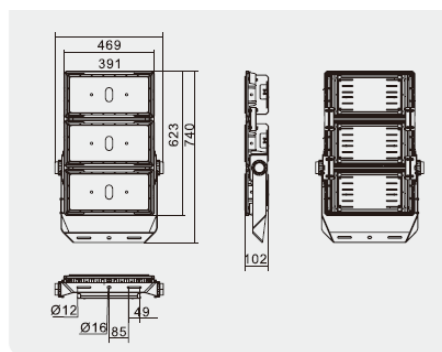
## Dimensions



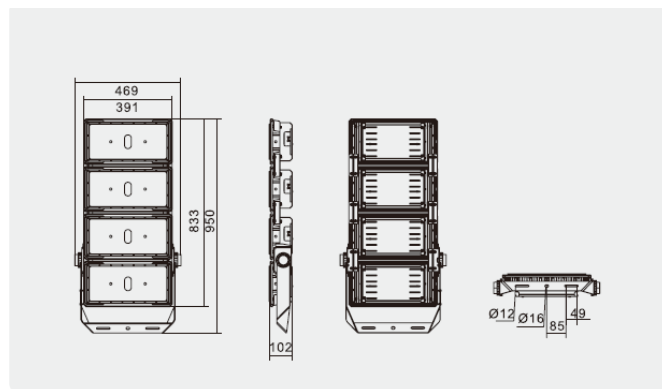
**200W**



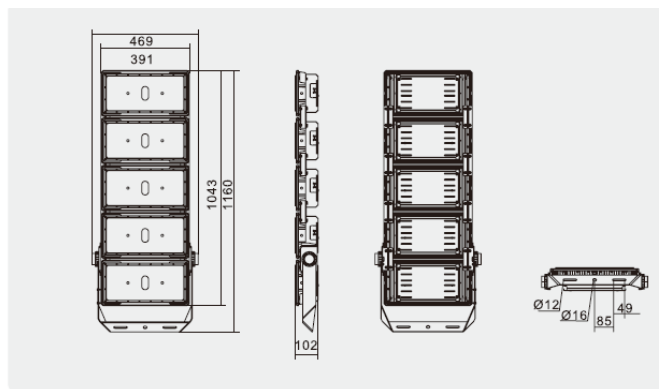
**400W**



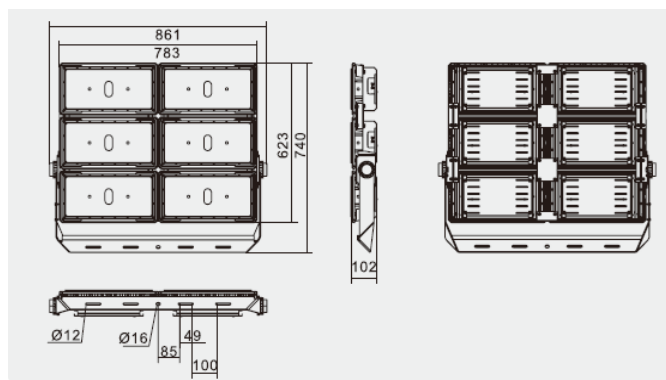
**600W**



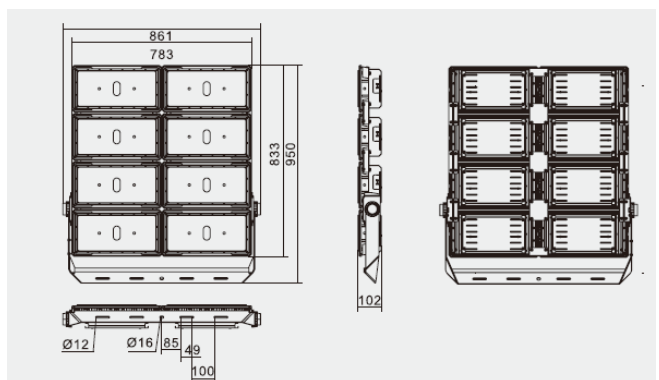
**800W**



**1000W**



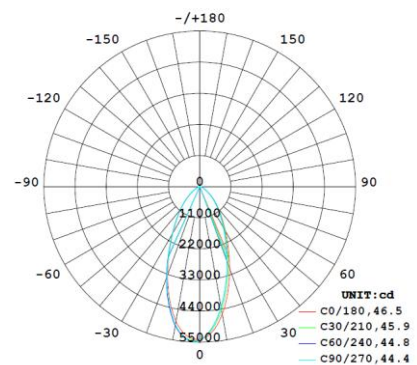
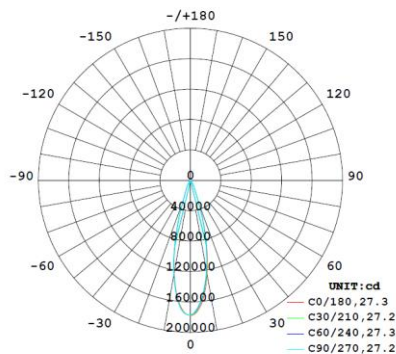
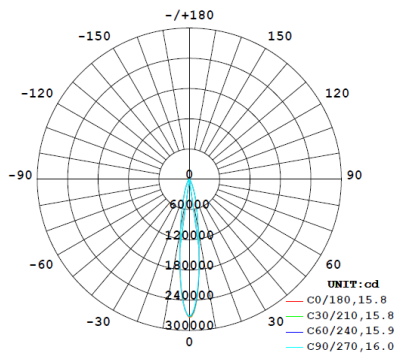
**1200W**



**1600W**

# SZG307H ultra-bright led stadium spotlight

## Photometric diagrams



## Product details



precision light distribution LED lens module  
(200lm/W for luminaire)



die-casting aluminum heat dissipation module



waterproof and ventilated power box



anti-glare metal cover (optional)

## Application cases





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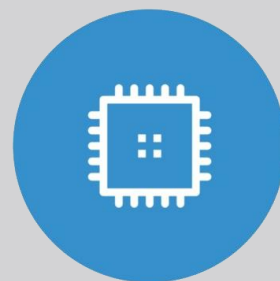
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energy-saving



quality



intelligent

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