

SZG328 led high pole spotlight



250W

500W

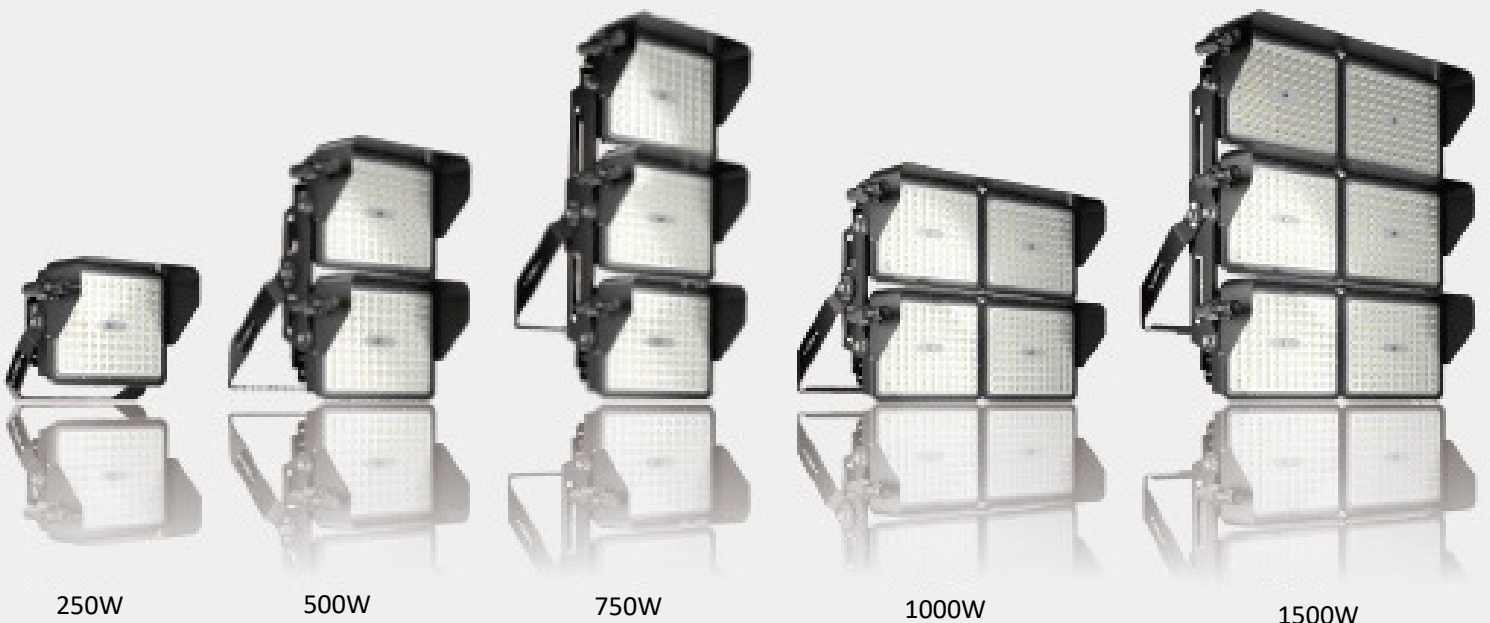
750W

1000W

1500W



**High quality die-cast aluminum lamp housing
with high strength and fast heat dissipation**



250W

500W

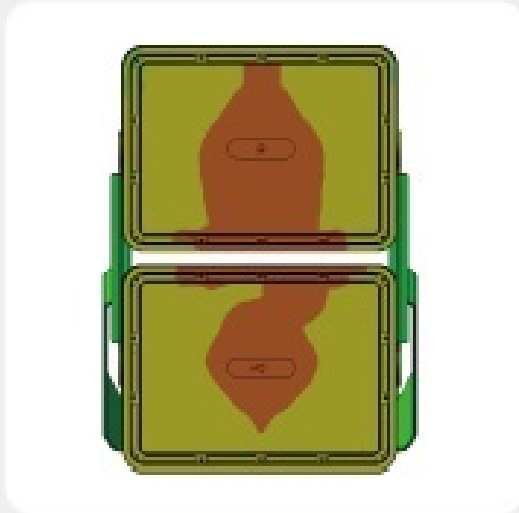
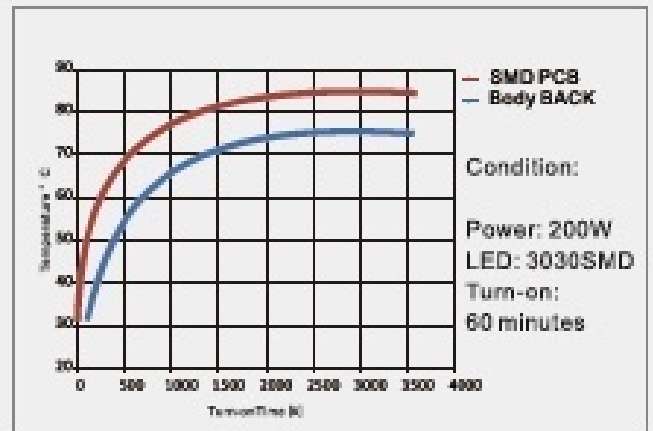
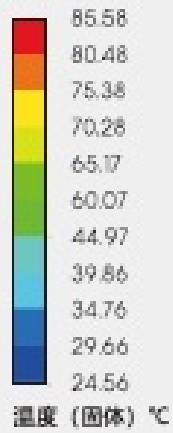
750W

1000W

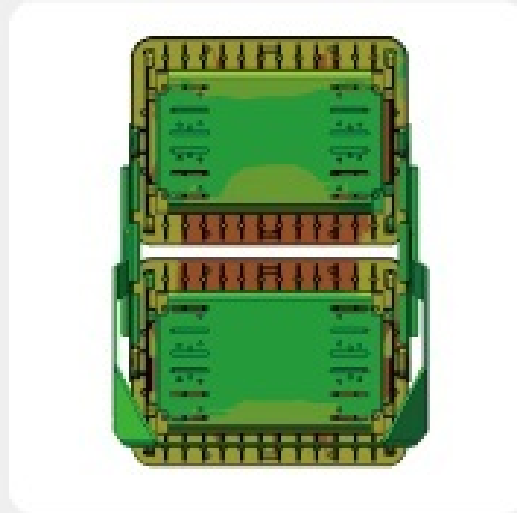
1500W

Thermal analysis management

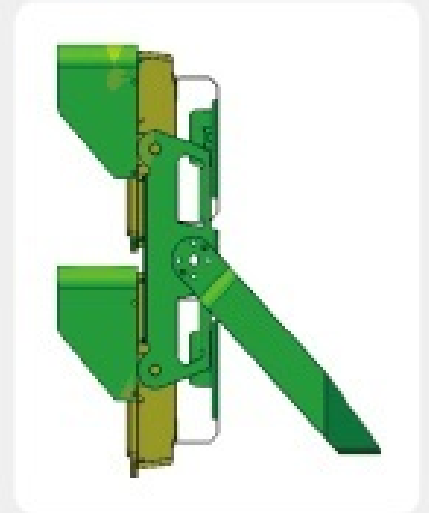
Adopting advanced finite element analysis technology to optimize the design of heat dissipation structure, control temperature rise of light and various components well, reduce the temperature difference between inside and outside for evenly distributing heat, maintaining high luminous flux.



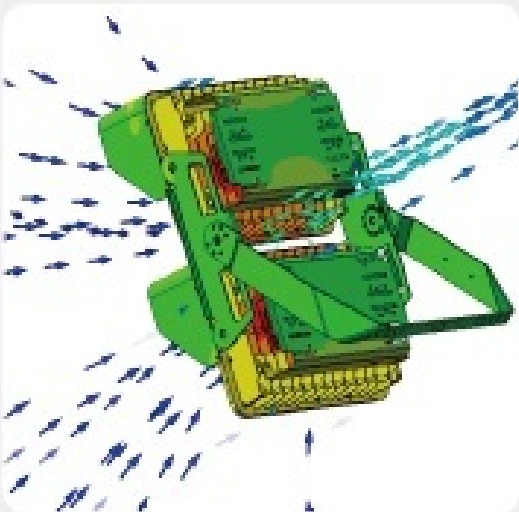
convective heat dissipation diagram



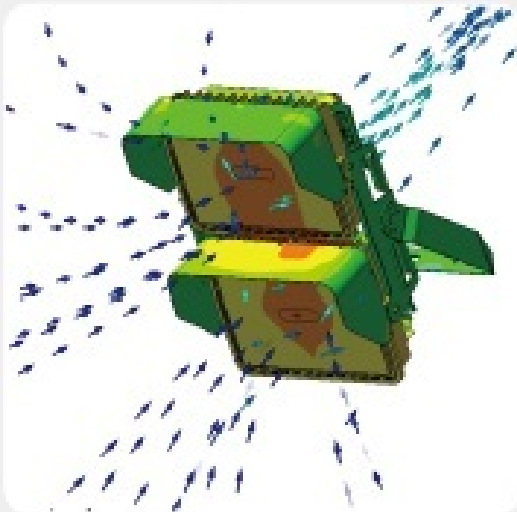
schematic diagram of conduction heat dissipation



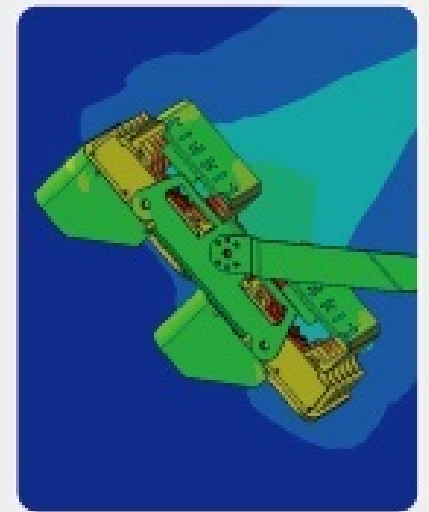
convective heat dissipation diagram



schematic diagram of conduction heat dissipation



convective heat dissipation diagram

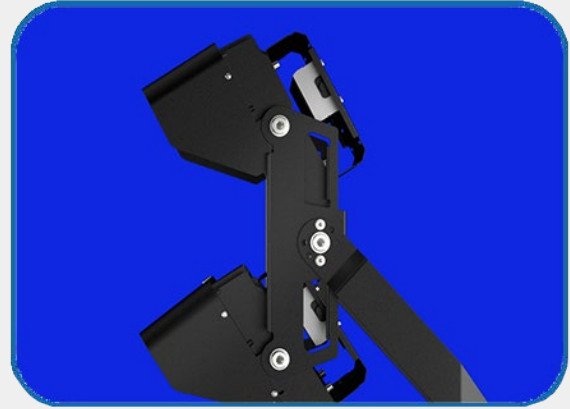


impact of heat on the environment

Product details



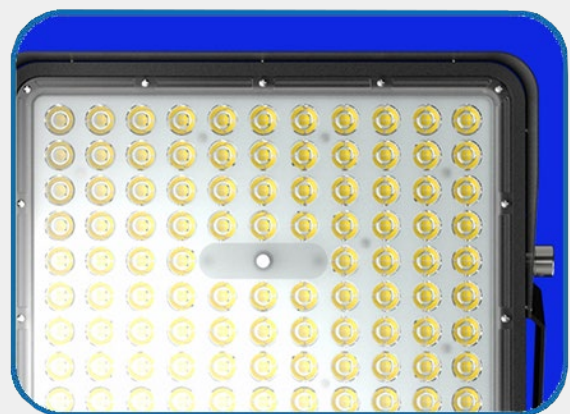
strong earthquake resistant U-bracket



module angle adjustable

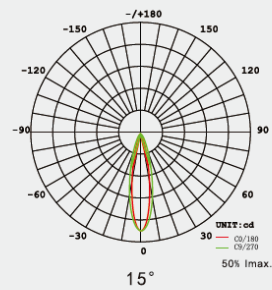


convection/conduction heat dissipation power box, fast heat dissipation

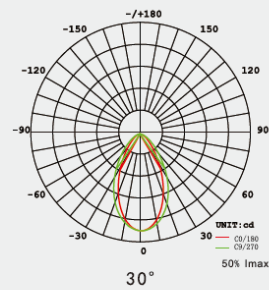


precision light distribution lens

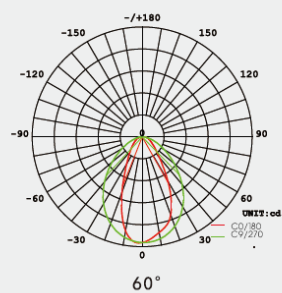
Light curve distribution



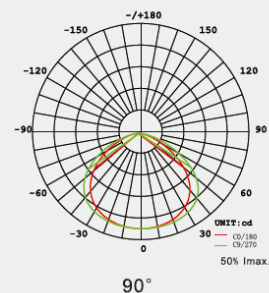
15°



30°



60°



90°

Product sizes



Main technical parameters

| Parameter items | 250W | 500W | 750W | 1000W | 1500W |
|-------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Input voltage (V) | 90-305Vac | 90-305Vac | 90-305Vac | 90-305Vac | 90-305Vac |
| Power efficiency | ≥91% | ≥91% | ≥91% | ≥91% | ≥91% |
| Power factor | ≥0.95 | ≥0.95 | ≥0.95 | ≥0.95 | ≥0.95 |
| Surge lightning protection (V) | 6000 | 6000 | 6000 | 6000 | 6000 |
| Total harmonic distortion | ≤10% | ≤10% | ≤10% | ≤10% | ≤10% |
| Brand of led chips | Philips | Philips | Philips | Philips | Philips |
| Quantity of led chip (pcs) | 384 | 768 | 1152 | 1536 | 2304 |
| Luminous efficiency for led (lm/W) | ≥210 | ≥210 | ≥210 | ≥210 | ≥210 |
| Total luminous flux (lm) | 50000±5% | 100000±5% | 150000±5% | 200000±5% | 300000±5% |
| Light efficacy for luminaire (lm/W) | ≥165 | ≥165 | ≥165 | ≥165 | ≥165 |
| Correlated color temperature (K) | 3000-6500 | 3000-6500 | 3000-6500 | 3000-6500 | 3000-6500 |
| Color rendering index (Ra) | 75 | 75 | 75 | 75 | 75 |
| Beam angle (°) | 15°/30°/60°/90° | 15°/30°/60°/90° | 15°/30°/60°/90° | 15°/30°/60°/90° | 15°/30°/60°/90° |
| LED lifespan (h) | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| Quantity of module (Pcs) | 1 | 2 | 3 | 4 | 6 |
| Module angle adjustable | yes | yes | yes | yes | yes |
| Led driver power supply | Inventronic/Trismart | Inventronic/Trismart | Inventronic/Trismart | Inventronic/Trismart | Inventronic/Trismart |
| Mounting of led driver | external | external | external | external | external |
| Working temperature (°C) | -40~+50°C | -40~+50°C | -40~+50°C | -40~+50°C | -40~+50°C |
| IP protection | IP66 | IP66 | IP66 | IP66 | IP66 |
| Dimensions (mm) | 378*275*210 | 378*505*210 | 378*765*210 | 710*505*210 | 710*765*210 |
| Weight (Kg) | 5.2 | 12.2 | 17.8 | 22 | 32.3 |
| Mounting mode | U-bracket | U-bracket | U-bracket | U-bracket | U-bracket |
| Warranty | 5 year | 5 year | 5 year | 5 year | 5 year |

Note: The light shield is optional.

Applications

Sports venues, football fields, golf courses, ports and docks, highway service areas, overpasses, large squares, railway hubs, large freight yards and logistics centers, open-pit mines and coal yards, outdoor equipment areas, and other places.

