

SZG328 led high pole spotlight



250W

500W

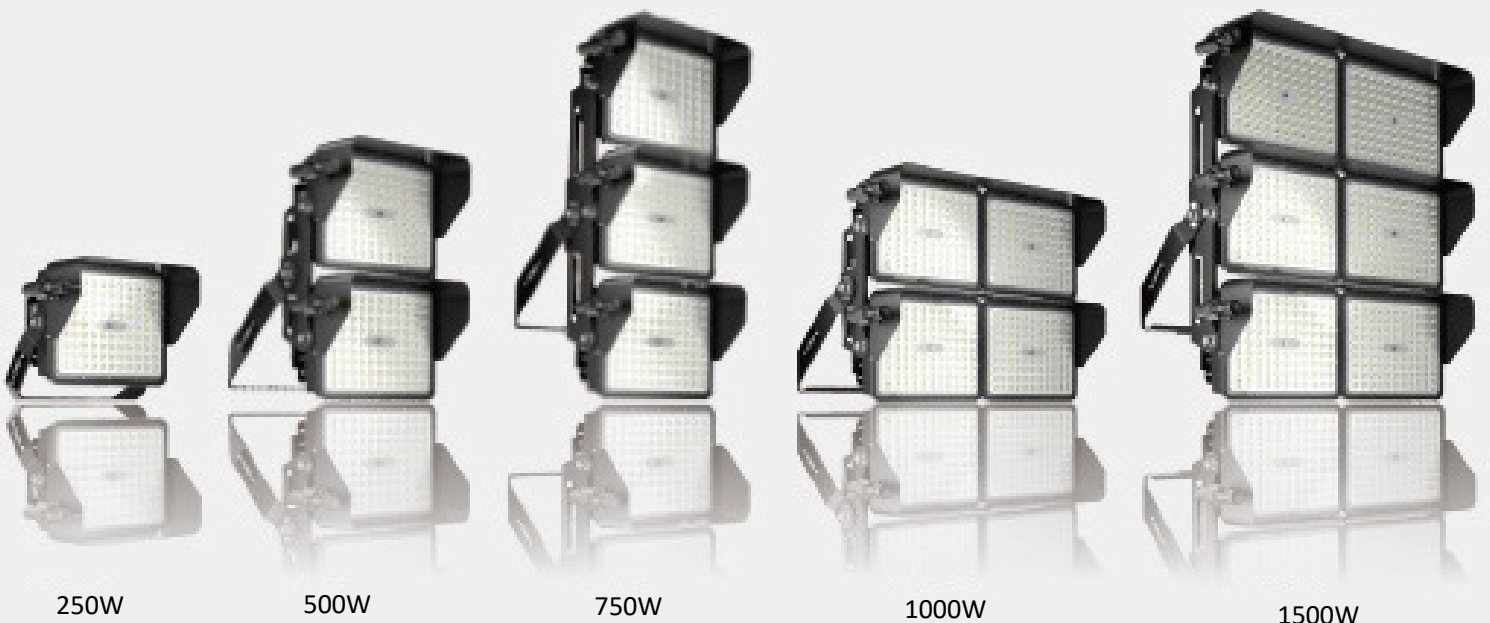
750W

1000W

1500W



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



250W

500W

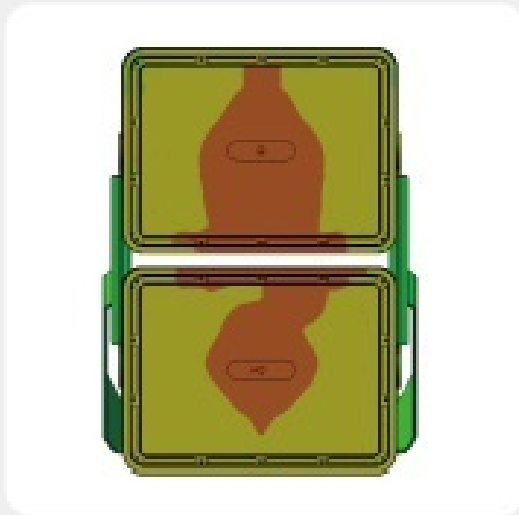
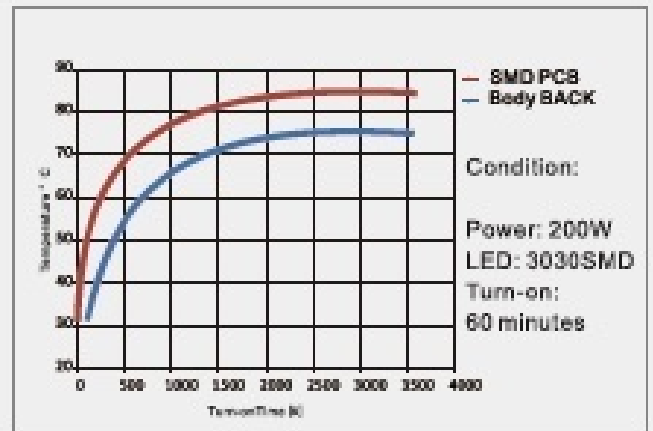
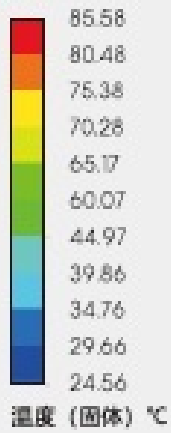
750W

1000W

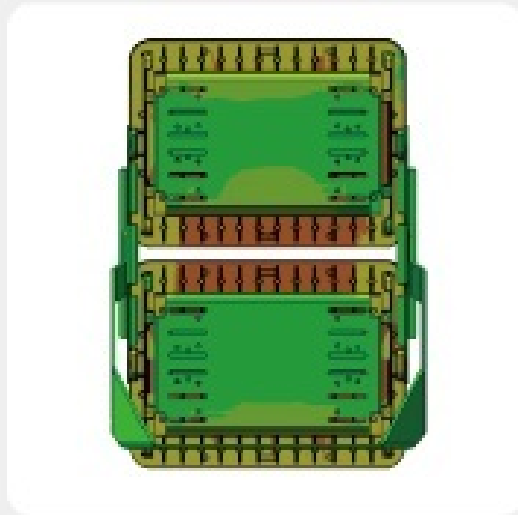
1500W

Thermal analysis management

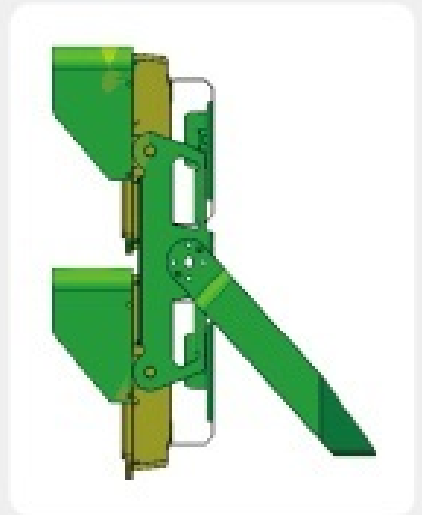
Adopting advanced finite element analysis technology to optimize the design of heat dissipation structure, control temperature rise of light and various components well, reduce the temperature difference between inside and outside for evenly distributing heat, maintaining high luminous flux.



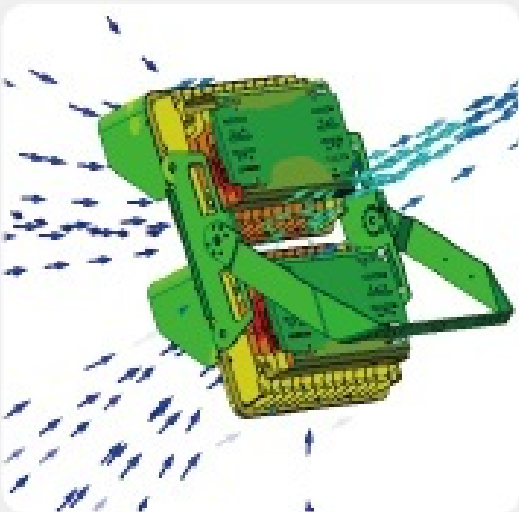
convective heat dissipation diagram



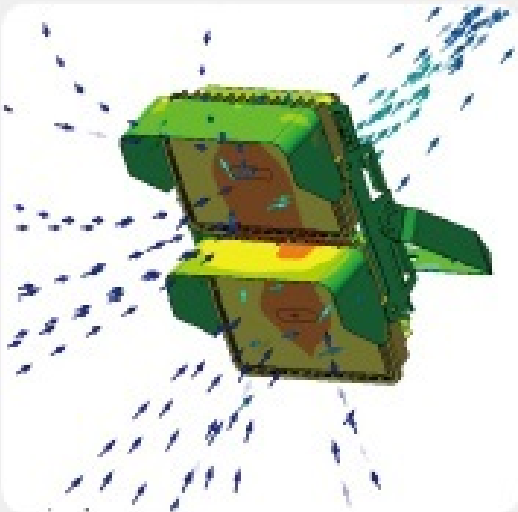
schematic diagram of conduction heat dissipation



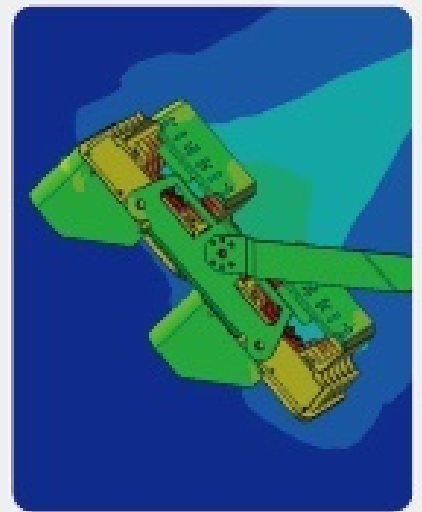
convective heat dissipation diagram



schematic diagram of conduction heat dissipation



convective heat dissipation diagram

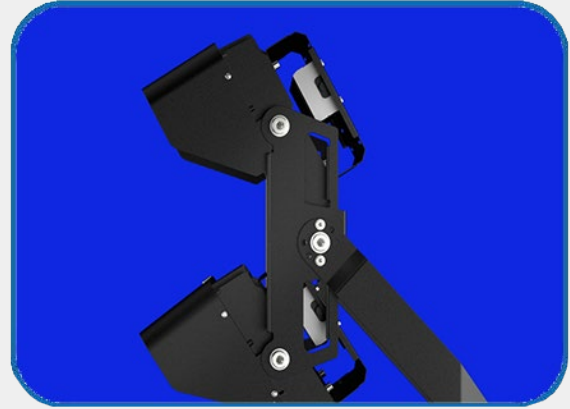


impact of heat on the environment

Product details



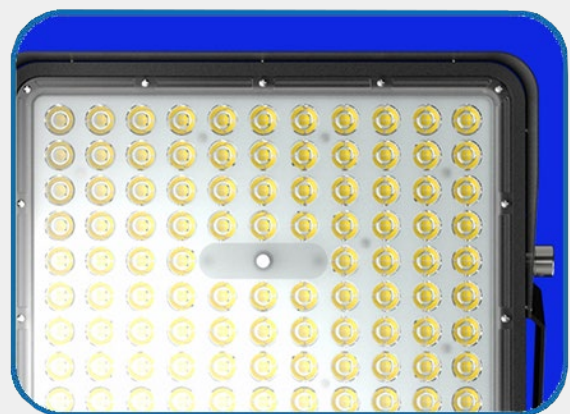
strong earthquake resistant U-bracket



module angle adjustable

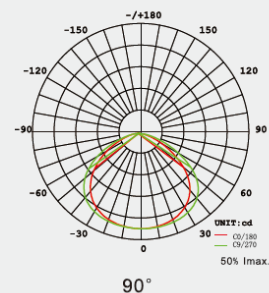
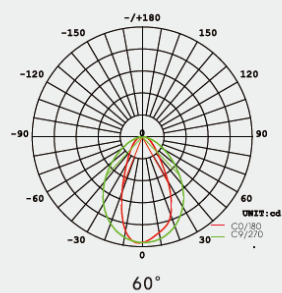
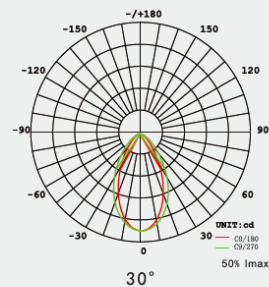
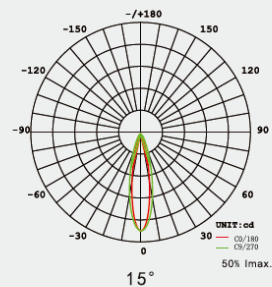


convection/conduction heat dissipation power box, fast heat dissipation

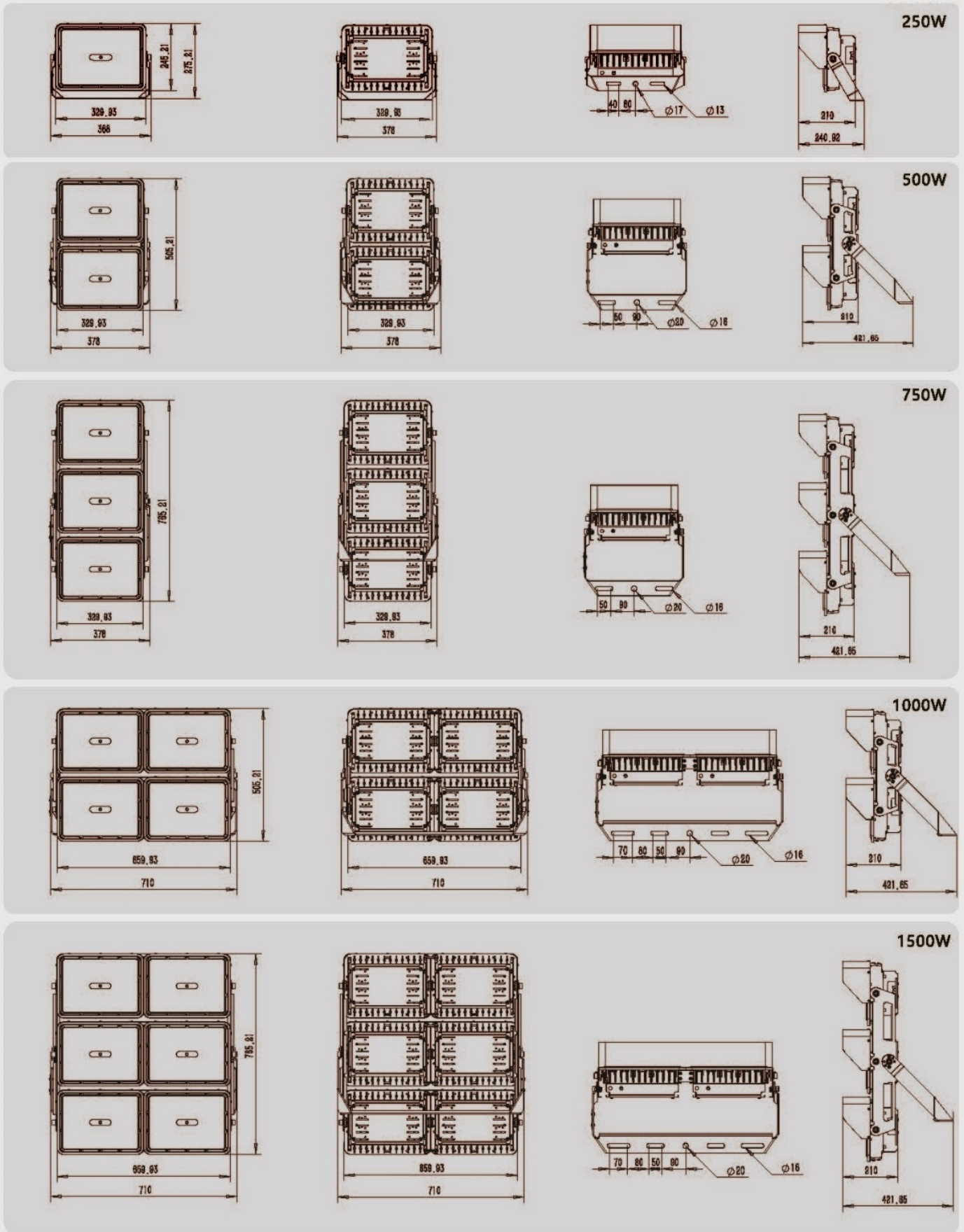


precision light distribution lens

Light curve distribution



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)	≥220	≥220	≥220	≥220	≥220
Total luminous flux (lm)	50000±5%	100000±5%	150000±5%	200000±5%	300000±5%
Light efficiency for luminaire (lm/W)	≥170	≥170	≥170	≥170	≥170
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/Meanwell	Inventronic/Meanwell	Inventronic/Meanwell	Inventronic/Meanwell	Inventronic/Meanwell
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.

