

SZG312H **ultra-bright** module led floodlight



Applications:

- industrial and mining enterprises large-scale plant, workshop, warehouse, equipment room, etc.
- high pole lights: highway overpasses, urban road junctions, port terminal freight yards, highway service areas, oil depots and oil tanks, railway freight forwarders, lamp bridges and lighthouses, etc.
- city square, enterprise square
- large parking lot
- indoor and outdoor sports venues
- driving, shore crane, gantry crane, etc.

Description of performances:

luminous efficiency for led 230-240 lm/W	light efficacy for luminaire 185-200 lm/W	energy efficiency rating of luminaire Class 1	energy saving rate @conventional lamp 45%-50%	led driver Trismart Lighting	wide voltage input 90-305 Vac
power efficiency ≥95%	power factor ≥0.95	surge lightning protection 6000 V	total harmonic distortion ≤10%	beam angle 15°/30°/60°/90°/145°*70°	shell material ADC12 die-cast aluminum

Product details:



Dial for adjusting bracket



ADC12 die-cast aluminum heat dissipation module



led driver

Technical parameters:

Parameter items	75W	150W	250W	100W	200W	300W	400W	500W	600W
Input voltage (V)	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac
Power efficiency	≥95%	≥95%	≥95%	≥95%	≥95%	≥95%	≥95%	≥95%	≥95%
Power factor	≥0.95	≥0.95	≥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	6000	6000
Total harmonic distortion	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%
Luminous efficiency for led(lm/W)	240	240	240	230	230	230	230	230	230
Light efficacy for luminaire(lm/W)	200	200	200	185	185	185	185	185	185
Energy efficiency rating of lamp	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
Energy saving rate	50%	50%	50%	45%	45%	45%	45%	45%	45%
Luminous flux of luminaire (lm)	15000±5%	30000±5%	48000±5%	18500±5%	37000±5%	55500±5%	75000±5%	92500±5%	110000±5%
Correlated color temperature (K)	3000-6000	3000-6000	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	≥75	≥75
Beam angle (°)	15°/30°/60° /90°/145°*70°	15°/30°/60° /90°/145°*70°	15°/30°/60° /90°/145°*70°	15°/30°/60° /90°/145°*70°	15°/30°/60° /90°/145°*70°	15°/30°/60° /90°/145°*70°	15°/30°/60° /90°/145°*70°	15°/30°/60° /90°/145°*70°	15°/30°/60° /90°/145°*70°
LED lifespan (h)	≥100,000	≥100,000	≥100,000	≥100,000	≥100,000	≥100,000	≥100,000	≥100,000	≥100,000
Working temperature (°C)	-35°C - +40°C	-35°C - +40°C	-35°C - +40°C	-35°C - +40°C	-35°C - +40°C	-35°C - +40°C	-35°C - +40°C	-35°C - +40°C	-35°C - +40°C
IP protection	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66
Quantity of module	1	2	3	1	2	3	4	5	6
Brand of led driver	Trismart led driver	Trismart led driver	Trismart led driver	Trismart led driver	Trismart led driver	Trismart led driver	Trismart led driver	Trismart led driver	Trismart led driver
Installation mode of led driver	external	external	external	external	external	external	external	external	external
Dimensions (mm)	400*100*180	400*205*180	400*305*180	400*100*180	400*205*180	400*305*180	400*405*180	400*505*180	400*605*180
Weight (Kg)	3.0	4.0	5.0	3.0	4.0	5.0	6.0	7.0	8.0
Mounting mode	U-bracket	U-bracket	U-bracket	U-bracket	U-bracket	U-bracket	U-bracket	U-bracket	U-bracket
Warranty (year)	5 years	5 years	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.

