

SZG507H **ultra-bright** module led street light



Applications:

- Urban main roads and secondary trunk roads and auxiliary street lamps
- county, township and town roads
- high-tech park street lamp
- economic development zone
- factory street lamps
- park, parking roads
- residential district road

Description of performances:

luminous efficacy of led chip	light efficacy of luminaire	energy efficiency rating of luminaire	energy saving rate @conventional lamp	brand of led driver	wide input voltage
230 lm/W	180 lm/W	Class 1 ($\geq 175 \text{ lm/W}$)	30%	Trismart Lighting	90-305 Vac
power factor	total harmonic distortion	surge lightning protection	heat dissipation of power cavity	IP protection	IK protection
≥ 0.95	$\leq 10\%$	6000 V	ventilation design to enhance heat dissipation	IP66	IK08

Product photos:



Technical parameters:

Parameter items	50W	100W	150W	200W	250W
Input voltage (V)	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac
Power efficiency	≥95%	≥95%	≥95%	≥95%	≥95%
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%
Luminous efficiency for led (lm/W)	230	230	230	230	230
Light efficacy for luminaire (lm/W)	180	180	180	180	180
Energy efficiency rating of lamp	Class 1	Class 1	Class 1	Class 1	Class 1
Energy saving rate	30%	30%	30%	30%	30%
Total luminous flux (lm)	9000±5%	18000±5%	27000±5%	36000±5%	45000±5%
Correlated color temperature (K)	2500-5000	2500-5000	2500-5000	2500-5000	2500-5000
Color rendering index (Ra)	≥75	≥75	≥75	≥75	≥75
Beam angle (°)	140° *70°	140° *70°	140° *70°	140° *70°	140° *70°
LED lifespan (h)	≥100000	≥100000	≥100000	≥100000	≥100000
Working temperature (°C)	-35°C - +55°C	-35°C - +55°C	-35°C - +55°C	-35°C - +55°C	-35°C - +55°C
IP protection	IP66	IP66	IP66	IP66	IP66
IK protection	IK08	IK08	IK08	IK08	IK08
Brand of led driver	Trismart led driver	Trismart led driver	Trismart led driver	Trismart led driver	Trismart led driver
Installation mode of led driver	built-in	built-in	built-in	built-in	built-in
Tilt adjustable	/	/	/	/	/
Dimensions (mm)	412*300*85	490*300*85	570*300*85	645*300*85	725*300*85
Weight (Kg)	4.4	5.2	6.1	7.1	8.1
Installation of pipe diameter (mm)	Φ60	Φ60	Φ60	Φ60	Φ60
Recommended mounting height (m)	6	7-8	9-10	11-12	13-14
Warranty	5 years	5 years	5 years	5 years	5 years

Note: 1. According to GB 37478-2025: the luminous efficacy of Class 1 energy-efficient led street light is 175 lm/W; for Class 2, it is 155 lm/W; and for Class 3, it is 130 lm/W.

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

