



Product Specifications

(STELLAR LED STREET LIGHT)



The Stellar LED Street Light is a cutting-edge solution for modern urban lighting. Crafted using die-casting technology with ADC12, this street light excels in thermal management, effectively balancing internal and external temperatures. This advanced design reduces chip temperature and light decay, significantly prolonging the lifespan of the light.

The light boasts an optical UV-resistant polycarbonate lens and a tempered glass cover, rated at IK10, delivering high light efficiency of up to 140lm/w. Its professional light distributions are tailored for various applications, with multiple beam angles available to suit different street layouts. With an IP66 rating, the Stellar LED Street Light is fully dust and waterproof, making it an ideal choice for all kinds of challenging outdoor environments. This street light is not just a lighting fixture; it's a robust, efficient, and adaptable solution for illuminating streets and public spaces.

Features

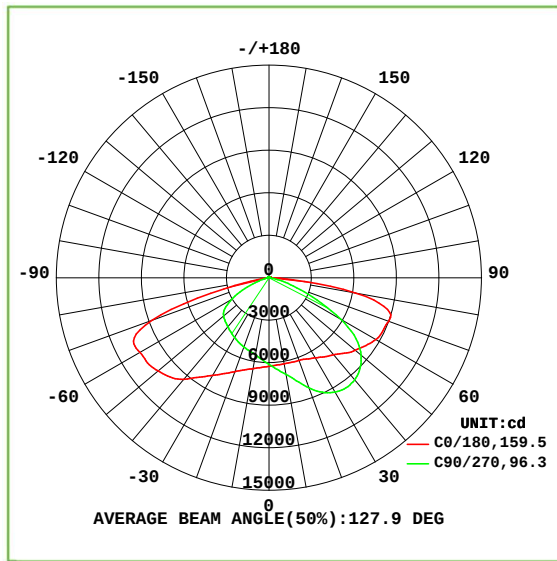
- Die-casting technology with ADC12, excellent thermal management and balance the internal & external temperature, reduce chip Tj and light decay, prolong lifetime;
- Packed with top reputed brand LEDs and power supply, overheat protection, high convert efficiency, high PF & surge protection, optional with dimming and photocell sensor;
- UV resistant polycarbonate optical lens and tempered glass cover, IK10, high light efficiency up to 140lm/w;
- Professional light distributions with various beam angles available;
- IP66 degree dust and waterproof protection, to meet all kinds of harsh outdoor environments.

Technical Specifications

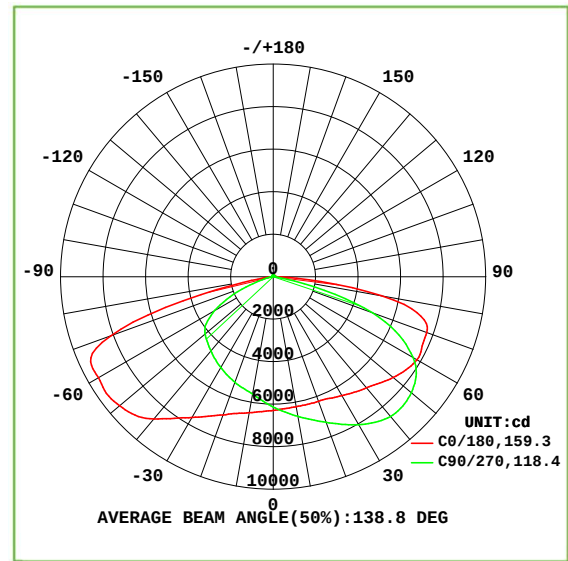


Model No.	LGS-SLSE-50W	LGS-SLSE-100W	LGS-SLSE-150W	LGS-SLSE-200W	LGS-SLSE-240W
Power	50W	100W	150W	200W	240W
Lumen Output	7,000lm	14,000lm	21,000lm	28,000lm	33,600lm
Lumen Efficiency	140lm/w				
CCT	3000/4000/5000/5700/6500K				
CRI	Ra>80(Ra>90 optional)				
Chip Brand	Lumileds				
Beam Angle θ/2	T2/T3				
Light Decay Rate	Less than 3% in 9,000Hours				
Lifespan	≥50,000Hrs				
Input Voltage	100-240VAC 50/60Hz				
Power Factor	PF>0.95				
THD	<15%				
Driver Brand	Meanwell/Sosen				
Material	Aluminum Housing+Polycarbonate Lens+Tempererd Glass Cover				
Degree of Protection	IP66 & IK10				
Surge Protection	Driver 6KV & SPD 10KV				
Class of Insulation	Class I				
Dimensions	494*170*80mm	589*230*80mm	644*240*80mm	729*292*80mm	729*292*80mm
Package	1pcs/CTN				
Gross Weight(KG)	2.6kg	3.7kg	4.5kg	5.5kg	5.6kg
Carton Size	550*195*140mm	645*285*140mm	700*295*140mm	785*350*140mm	785*350*140mm
Finish	Silver				
Installation	Mounting				
Working Temperature	-35℃~+50℃				
Storage Temperature	-40℃~+70℃				
Certificate	CE, CB, RCM, RoHS				
Warranty	5 years				
Optional Functions	0-10V/PWM/DALI/Sensor Available on Request				

Light Distributions

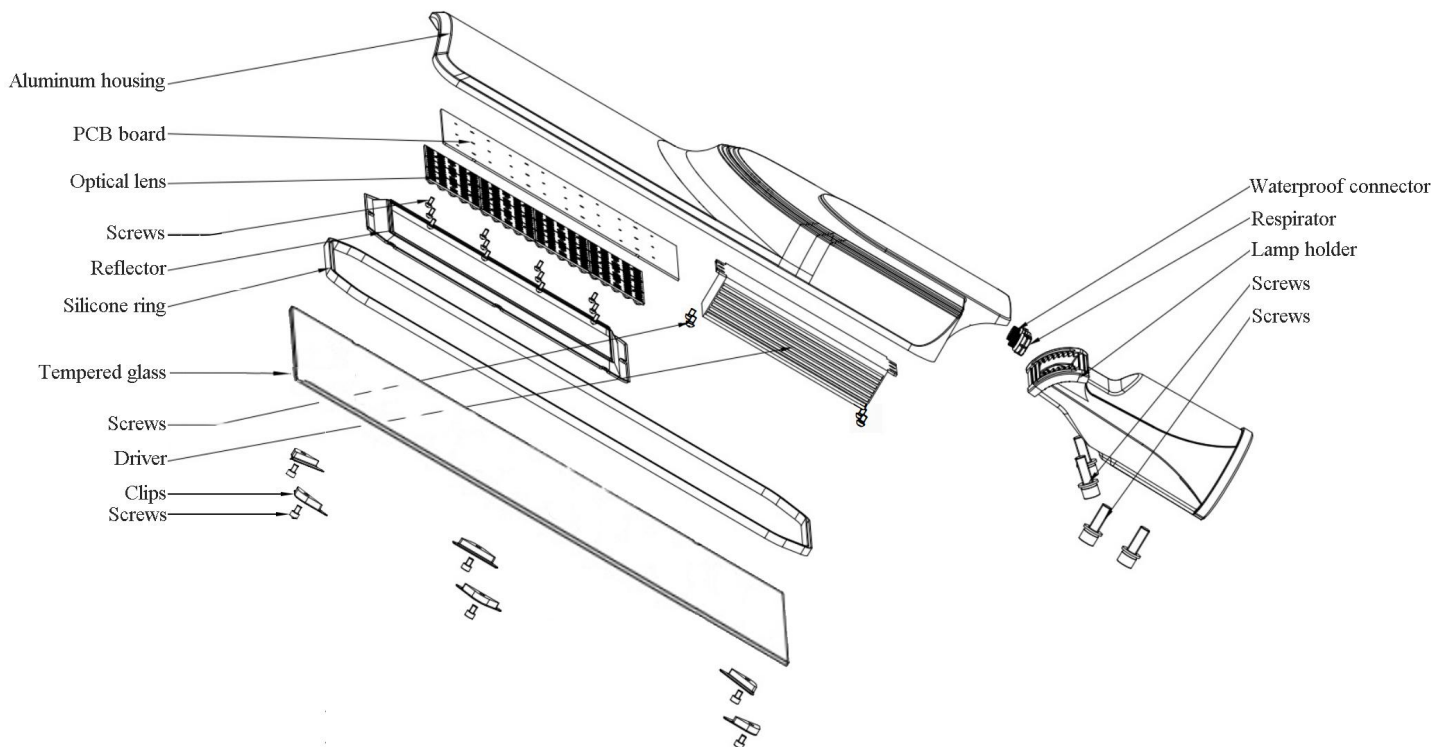


Type II



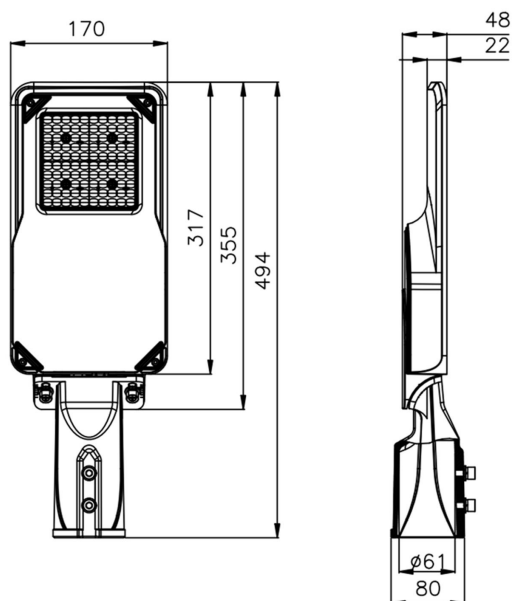
Type III

Explosion Drawings

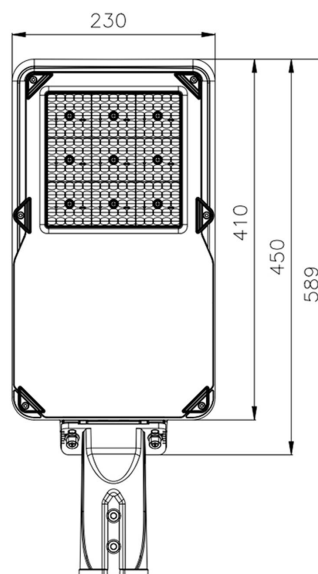


Dimensions and Drawings

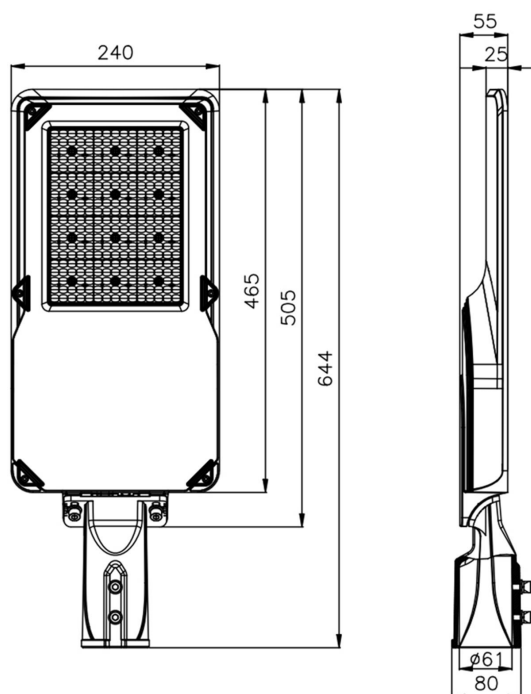
Unit: mm



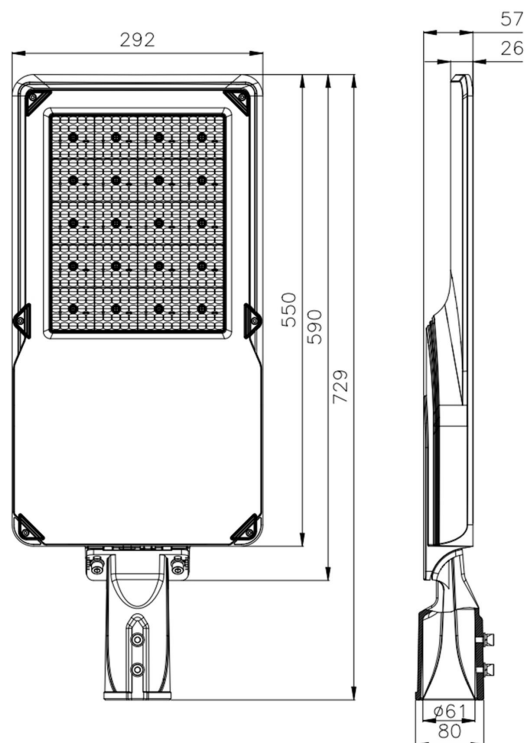
50W



100W

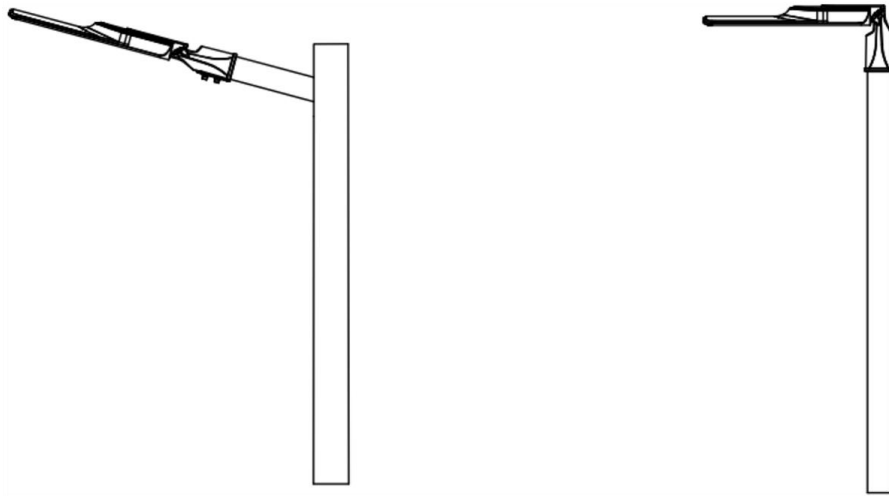


150W



200/240W

Installation



Notice

1. Please first read the product specification carefully, make sure the using environment conform to specification, then it can be used;
2. Please confirm the input voltage, frequency before use;
3. This product must be installed by professionals;
4. If there is any damage to the power wire or shell of the product, it should be taken as defective product and do not use;
5. Dangerous high voltage, non-professionals are not allowed to maintain the product;
6. If external soft cable or soft wire of the light is damaged, it should be replaced by manufacturer or service agent or personnel with similar qualification to avoid danger.

Applications

LED street lights are widely used in main road, high way, flyover, city street, overpass, sidewalk, square, school, residential district, industrial area, parking lot, etc.

