



Product Specifications

(IRIS PRO LED STREET LIGHT)



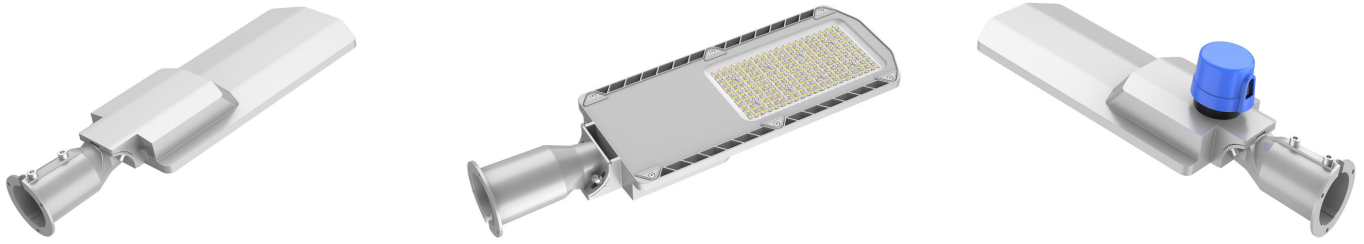
The Iris Pro LED Street Light sets a new benchmark for high-performance outdoor lighting, combining cutting-edge technology and premium-quality materials to deliver exceptional reliability and efficiency. Crafted with ADC12 aluminum die-casting technology, it offers superior thermal management, ensuring optimal temperature balance between internal and external components. This prevents chip overheating, reduces light decay, and significantly extends the light's lifespan. Equipped with industry-leading brand LEDs and power supplies, the Iris Pro LED street light boasts high conversion efficiency, power factor, and a robust independent 10KV surge protection, with optional dimming and photocell sensors for advanced adaptability.

Its UV-resistant polycarbonate optical lens paired with a tempered glass cover provides IK08 durability and delivers outstanding light efficiency of up to 140lm/w, making it ideal for professional street lighting. With multiple beam angles available and IP66 dust and waterproof protection, this street light thrives in the harshest outdoor environments. Designed for the future, it comes with NEMA and Zhaga sockets, ready for seamless integration into smart lighting systems. The Iris Pro combines durability, precision, and innovation to redefine the standard for modern street lighting solutions. Perfect for cities that demand sophistication, reliability, and energy savings.

Features

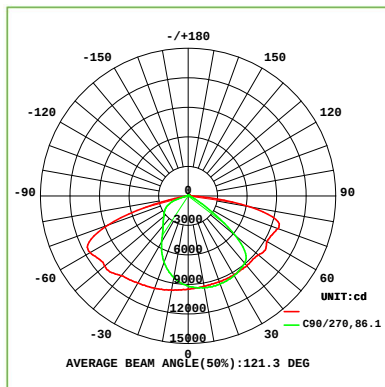
- Die-casting technology with ADC12 aluminum, excellent thermal management and balance the internal & external temperature, reduce chip Tj and light decay, prolong lifetime;
- Packed with top reputed brand LEDs and power supply, overheat protection, high convert efficiency, high PF & additional 10KV surge protection, optional with dimming and photocell sensor;
- UV resistant polycarbonate optical lens and tempered glass cover, IK08, 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;
- Available with NEMA/Zhaga sockets, adapted to smart lighting solutions.

Technical Specifications

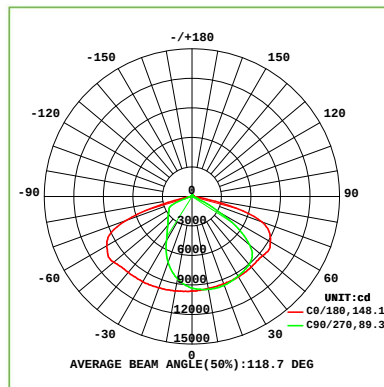


Model No.	LGS-SLIR-50W	LGS-SLIR-100W	LGS-SLIR-150W	LGS-SLIR-200W
Power	50W	100W	150W	200W
Lumen Output	7,000lm	14,000lm	21,000lm	28,000lm
Lumen Efficiency	140lm/w(180lm/w available on request)			
CCT	2700/3000/4000/5000/5700/6500K			
CRI	Ra>80(Ra>90 optional)			
Chip Brand	Lumileds SMD2835			
Beam Angle θ/2	T2/T3/T4			
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	Sosen			
Material	Aluminum Housing+Polycarbonate Lens+Tempererd Glass Cover			
Degree of Protection	IP66 & IK08			
Surge Protection	Driver 6KV & SPD 10KV			
Class of Insulation	Class I			
Dimensions(mm)	480*147*98	569*177*98	654*210*98	724*244*98
Package	1pcs/CTN			
Gross Weight(KG)	2.20kg	2.80kg	3.40kg	4.10kg
Carton Size(mm)	510*205*135	620*240*135	690*275*135	750*300*145
Finish	Silver			
Installation	Mounting			
Working Temperature	-35℃~+50℃			
Storage Temperature	-40℃~+70℃			
Certificate	CE, RCM, CB, RoHS			
Warranty	5 years			
Optional Functions	0-10V/PWM/DALI/Sensor/NEMA/ZHAGA Available on Request			

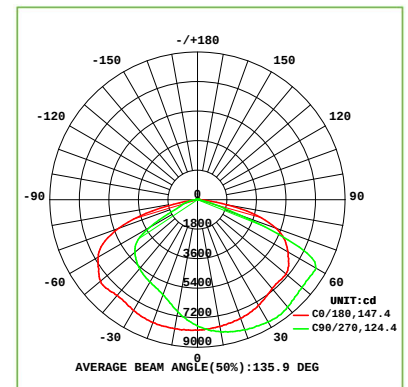
Light Distributions



Type II

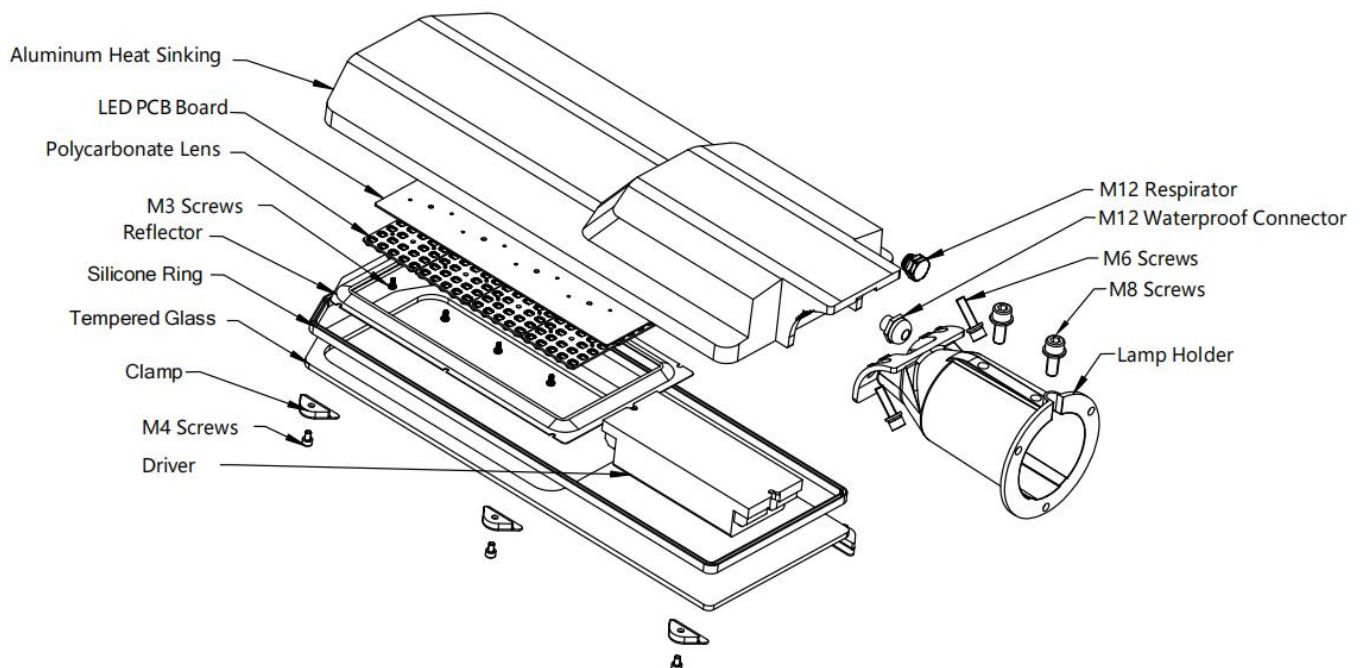


Type III



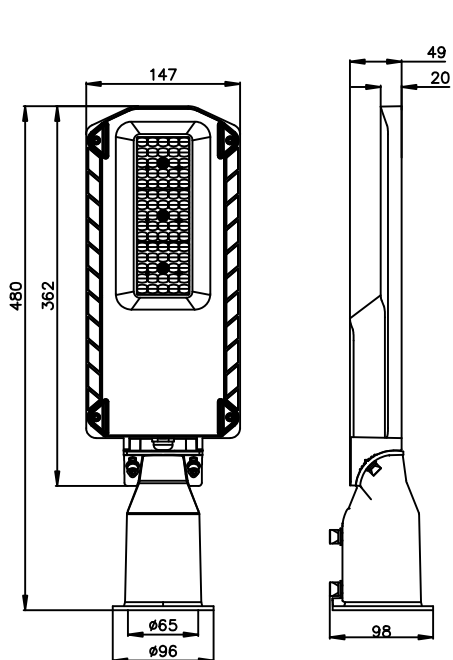
Type IV

Explosion Drawings

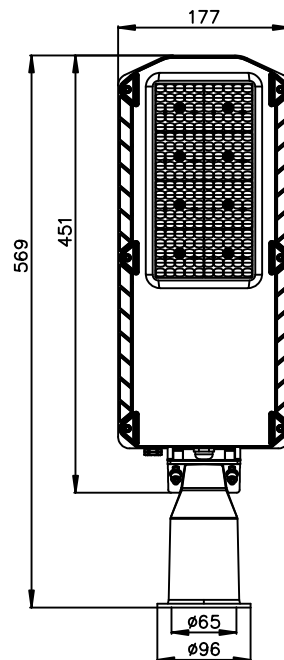


Dimensions and Drawings

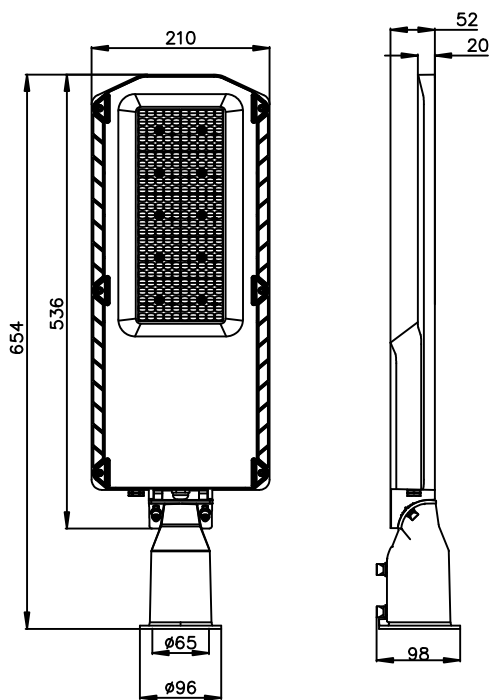
Unit: mm



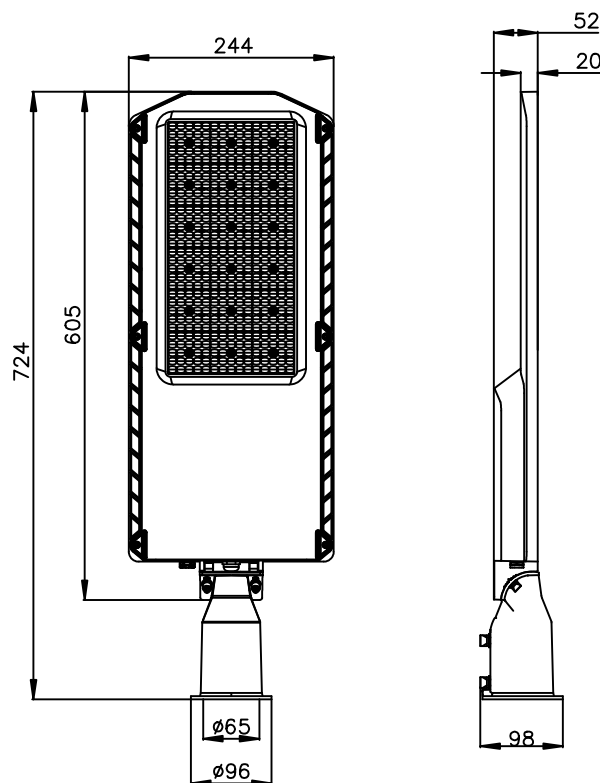
50W



100W



150W



200W

Optional Accessory



NEMA Socket



ZHAGA Socket



10KV/20KV SPD

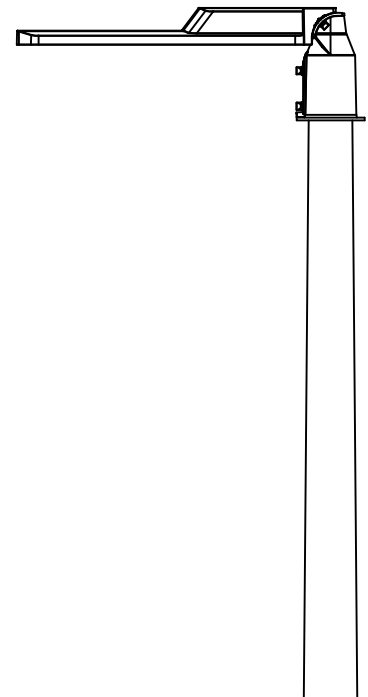
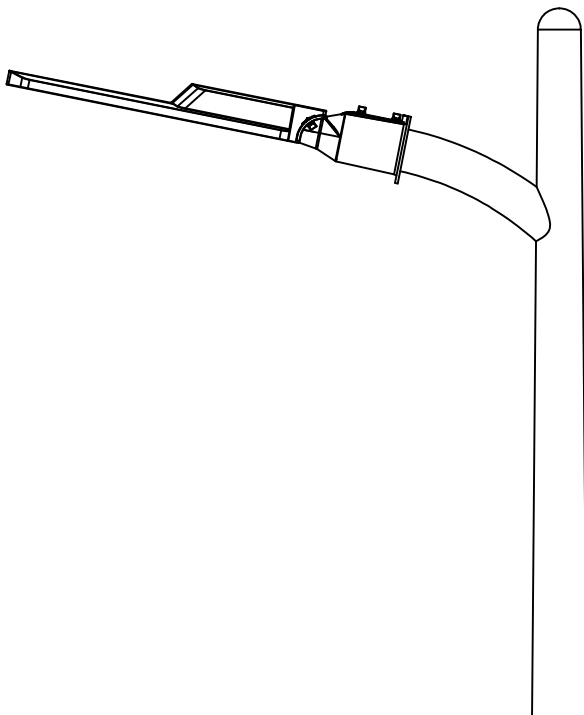


Photocell Sensor



Short-circuit cap

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.

