



# Product Specifications

## (CERES LED STREET LIGHT)



The Ceres LED Street Light is engineered for performance, durability, and smart integration. Built with premium ADC12 die-casting technology, it ensures superior thermal management, reducing chip Tj and light decay to extend its lifespan. Equipped with top-tier LEDs and power supplies, it boasts high efficiency, reliable overheat and surge protection, and optional features like dimming and photocell sensors. Its UV-resistant polycarbonate lens achieves 94% light transmittance with IK08 impact durability, delivering up to 180lm/w with professional light distribution for roads. With IP66 waterproofing, NEMA and ZHAGA socket expandability for smart controls, and over 50,000 hours of lifetime, this light is built for all environments and backed by a 5-year warranty.

## Features

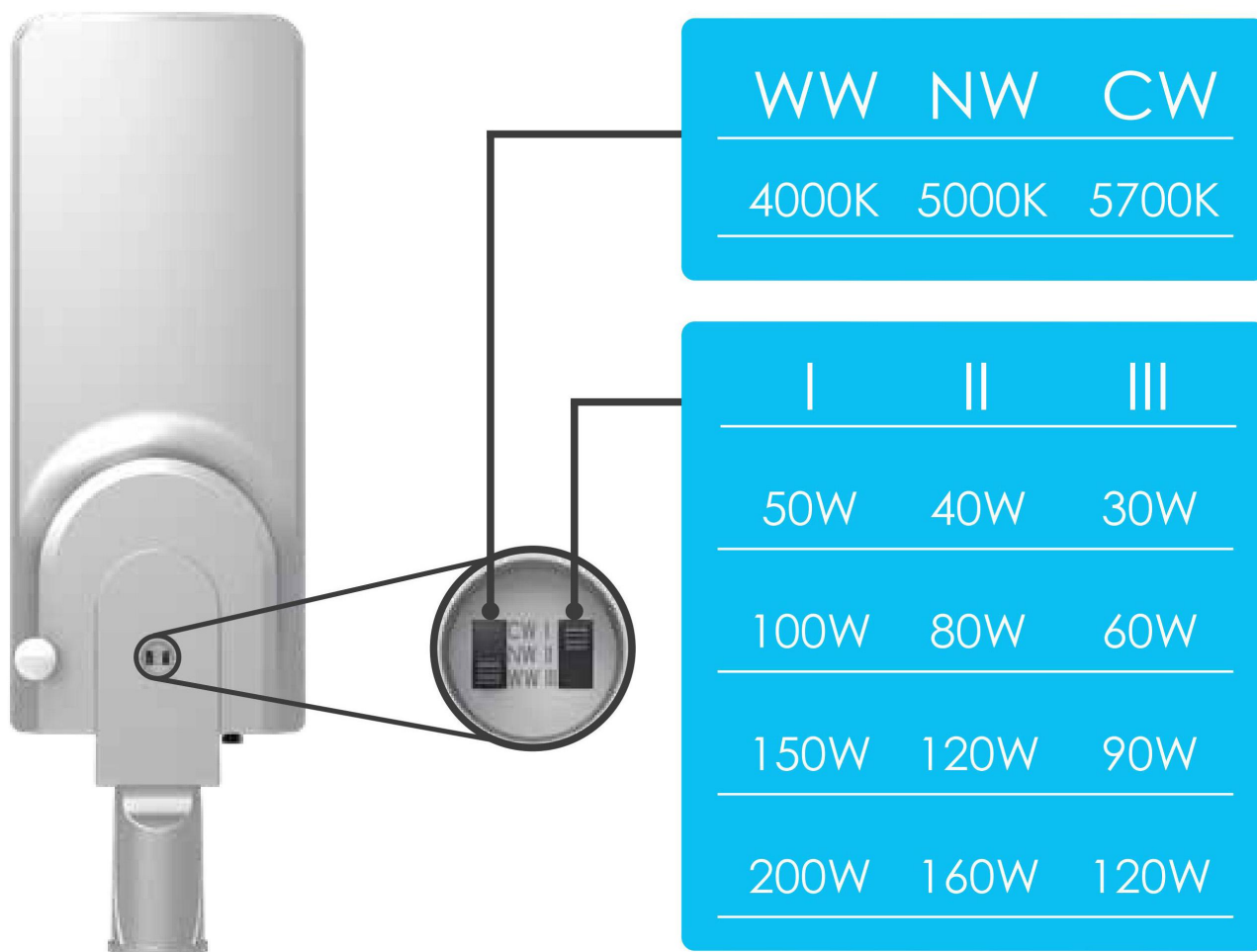
- Die-casting technology with ADC12, excellent thermal management and balance the internal & external temperature, reduce chip Tj and light decay, prolong lifetime;
- Packed with top reputed brand LEDs and power supply, overheat protection, high convert efficiency, high PF & surge protection, optional with dimming, photocell sensor;
- UV resistant polycarbonate optical lens with 94% light transmittance, IK08 impact design, high light efficiency up to 180lm/w;
- Professional light distribution 70\*140° for road and street lighting;
- IP66 degree dust and waterproof protection, to meet all kinds of harsh outdoor environments;
- Expandable NEMA and ZHAGA sockets for smart lighting control;
- Lifetime over 50,000hrs and 5 years warranty.

# Technical Specifications

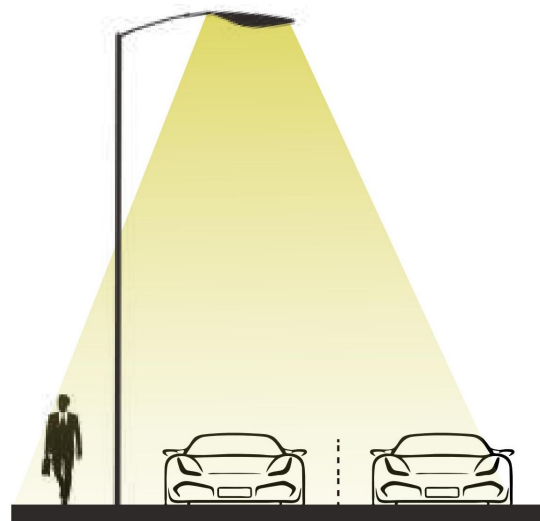
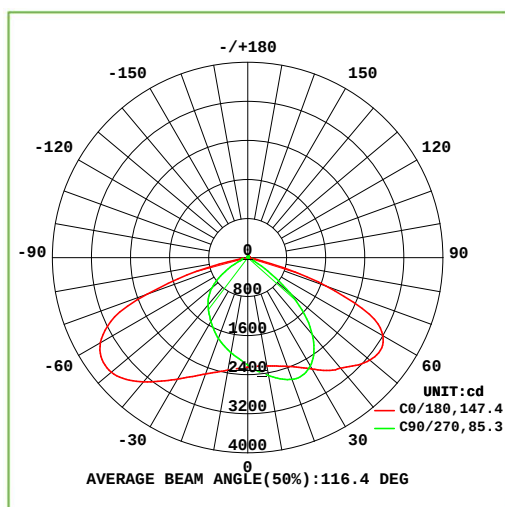


| Model No.            | LGS-SLCR-50W                                          | LGS-SLCR-100W | LGS-SLCR-150W | LGS-SLCR-200W |
|----------------------|-------------------------------------------------------|---------------|---------------|---------------|
| Power                | 50W                                                   | 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 2835                                         |               |               |               |
| Beam Angle θ/2       | 70°*140°(T2)                                          |               |               |               |
| 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                   |               |               |               |
| Degree of Protection | IP66 & IK08                                           |               |               |               |
| Surge Protection     | 6KV/10KV                                              |               |               |               |
| Class of Insulation  | Class I                                               |               |               |               |
| Dimensions(mm)       | 505*129*79                                            | 587*167*79    | 680*203*79    | 743*235*79    |
| Package              | 1pcs/CTN                                              |               |               |               |
| Gross Weight(KG)     | 2.05kg                                                | 2.75kg        | 3.45kg        | 4.30kg        |
| Carton Size(mm)      | 560*185*125                                           | 650*220*125   | 735*255*125   | 790*290*125   |
| Finish               | Silver                                                |               |               |               |
| Installation         | Mounting                                              |               |               |               |
| Working Temperature  | -35℃~+50℃                                             |               |               |               |
| Storage Temperature  | -40℃~+70℃                                             |               |               |               |
| Certificate          | CE, RCM, RoHS                                         |               |               |               |
| Warranty             | 5 years                                               |               |               |               |
| Optional Functions   | 0-10V/PWM/DALI/Sensor/NEMA/ZHAGA Available on Request |               |               |               |

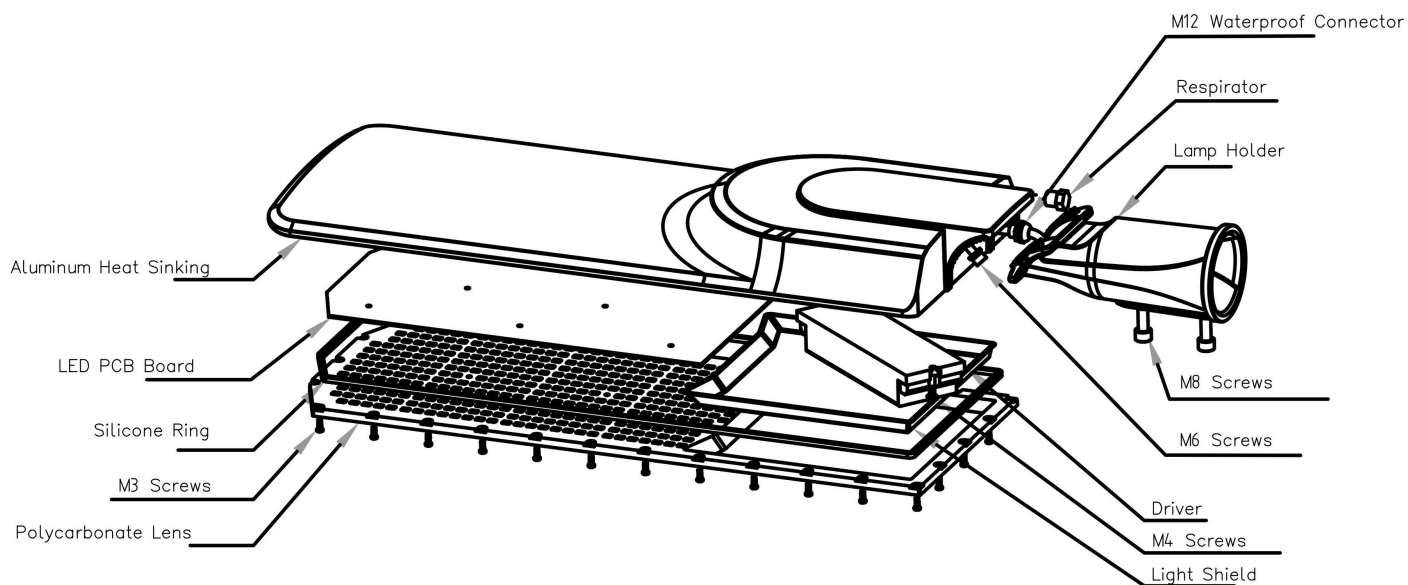
## Optional 3CCT & Power Adjustable Solution



## Light Distributions

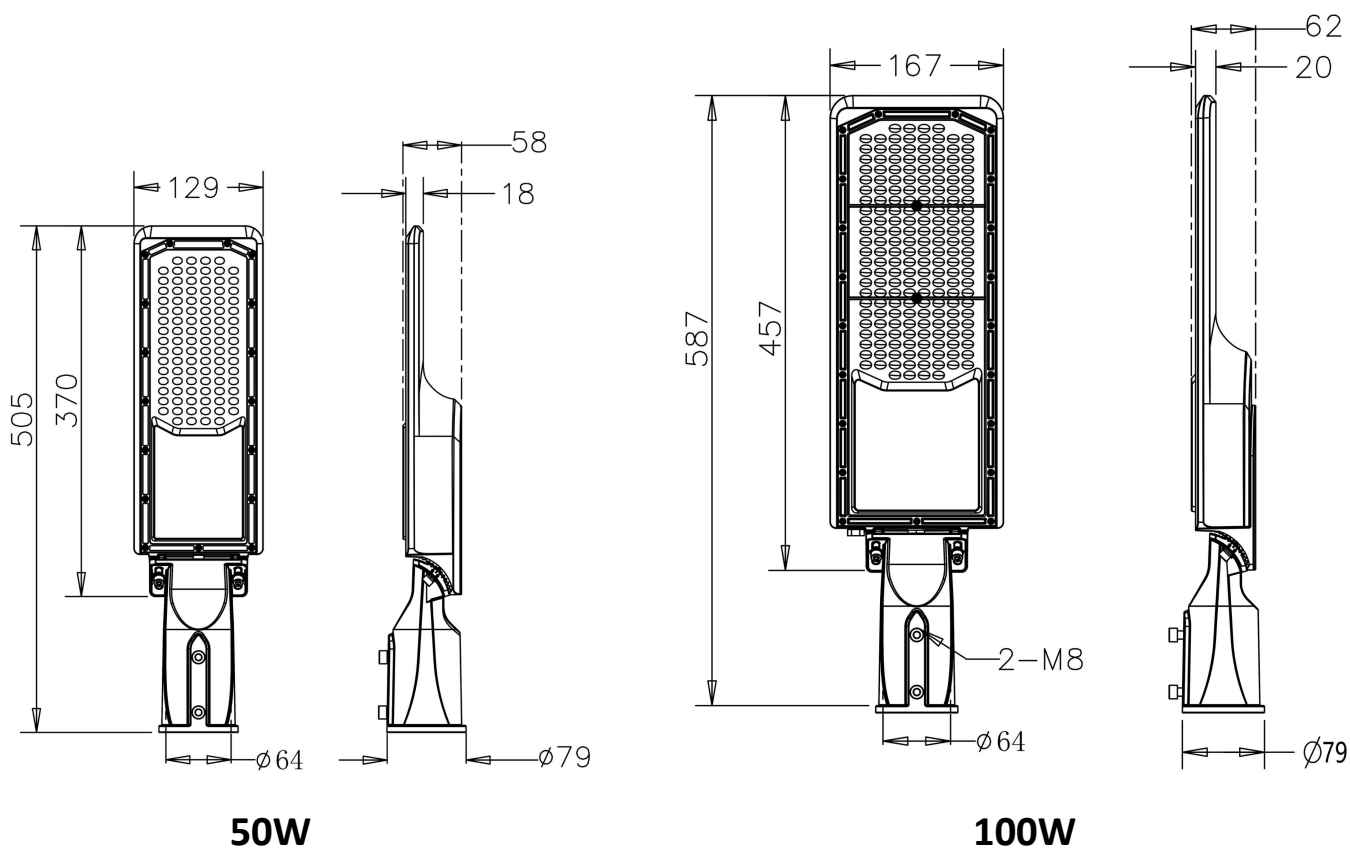


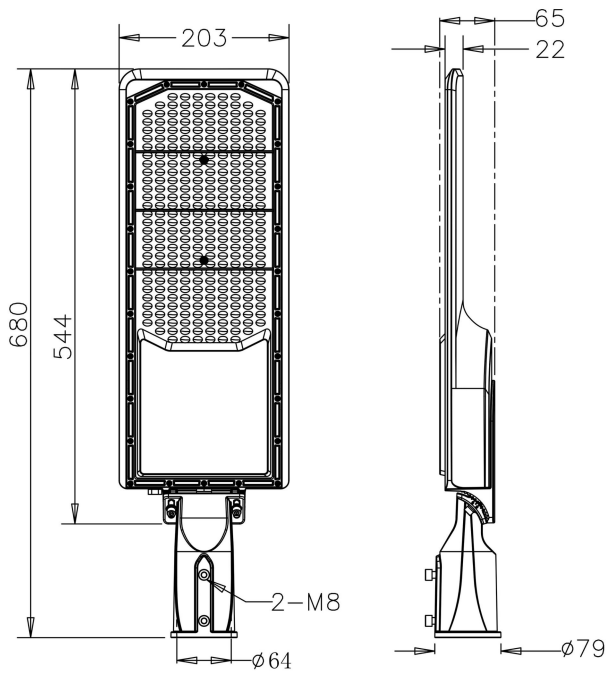
## Explosion Drawings



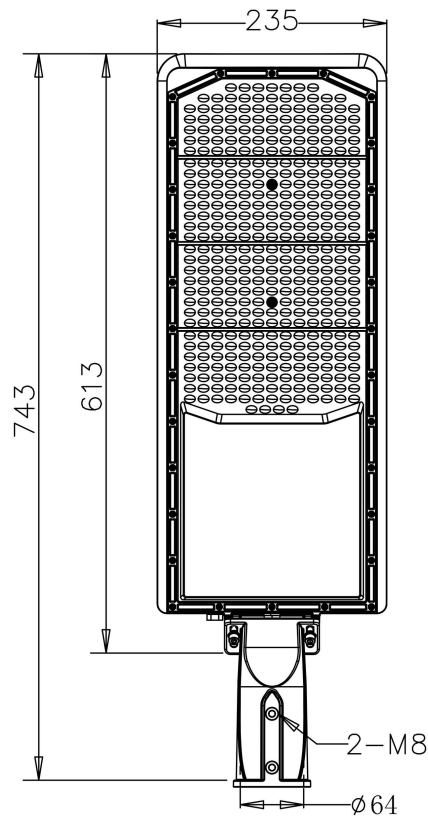
## Dimensions and Drawings

Unit: mm





**150W**



**200W**

## Optional Accessory



**NEMA Socket**



**ZHAGA Socket**



**10KV/20KV SPD**

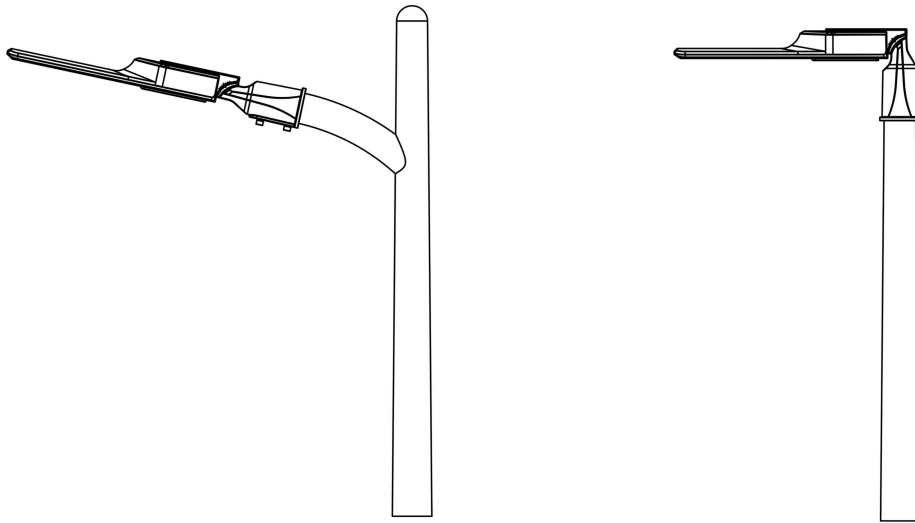


**Photocell Sensor**



**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.

