

# Product Specification

**Product Name:** LED Module Street Light

**Product Model:** EXC-RL-Z08xx

**Version:** R001



## Product Description

EXC-RL-Z08 series adopts modular and streamlined design, beautiful and generous, and a variety of light distributions can be selected to adapt to all tunnel lighting, forming an optimized road lighting environment;

Module design, flexible and adjustable matching, convenient maintenance; flexible adjustment of the lamps, the elevation angle of the lamps can be adjusted according to the site conditions.

Using modular heat dissipation technology to provide excellent heat dissipation management performance. The maximum heat dissipation effect ensures the performance and life of the lamp, and the design of the lamp is more compact and smarter.

Photoelectric separation design ensures the stability of each system and avoids heat accumulation.

High protection design, high impact resistance and waterproof and dust proof performance;

First-line light source and power supply provide high performance and high reliability and reduce operating costs.

EXC-RL-Z08 series with its high performance, high reliability, high light control technology provides a highly competitive solution for road lighting, and its beautiful shape will also become a unique landscape of the city.

## Product Features

The lamp body is made of all aluminum. The radiator uses AL6063 aviation aluminum profile to ensure high efficiency and good heat dissipation performance. The front and rear cover structure is ADC12 die-cast aluminum alloy, which has a novel appearance and beautiful appearance;

Independent module design, strong versatility, flexible assembly, and more convenient matching requirements;

The whole lamp adopts a humanized tool-free assembly design solution, which is convenient for assembly and disassembly, and maintenance is more convenient and quicker;

The lens is made of high light transmittance PC material, dustproof and waterproof, multi-angle optional, uniform light distribution;

The surface treatment of the radiator adopts anodizing process, and the front and rear cover and back plate adopt high-tech environmental protection spraying treatment, which is corrosion-resistant and rust-resistant;

Modern, streamlined and self-cleaning lamp design with smooth surface;

The power supply cavity is designed to open quickly with bare hands, and the upper flip cover is convenient for maintenance and installation.

The installation angle of the lamps can be adjusted to meet the needs of various road lighting, and the light efficiency utilization rate is higher.

Multiple smart interfaces, lamps are more intelligent and digital.

Brand light source and power supply, high efficiency matching, extra long service life.

## Optional

0/1-10V dimming, time control, light sensor, Internet of Things control, etc.;

Seaside anticorrosive coating;

10KV or 20KV surge protection;

Pole fixing: 60-42mm, 76-60mm.

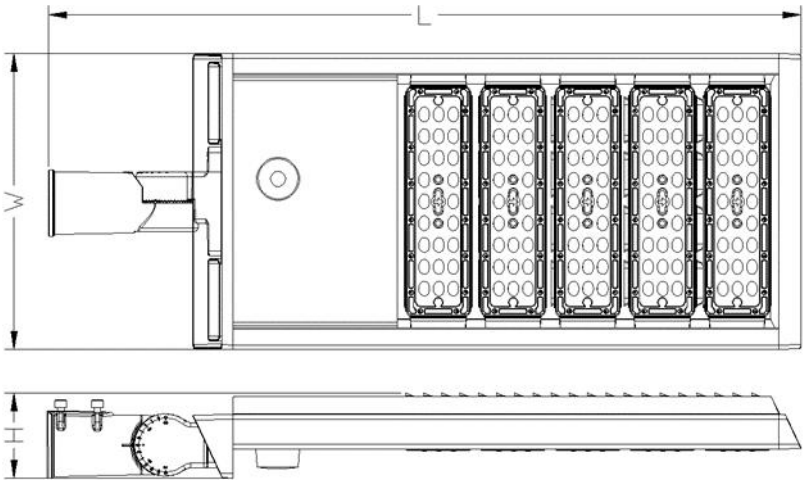
## Applications

This product is used for road lighting, square lighting, sports field lighting, etc. of highways, expressways, main roads, secondary roads, etc. It is a product specially designed to fully meet the special needs of road lighting. The use of international first-line light sources, combined with professional light distribution design, and thermal, structure and circuit, and power supply design make the product extremely cost-effective. It is an efficient green, energy-saving and environmentally friendly lighting product.

Product Images



Product Dimensions



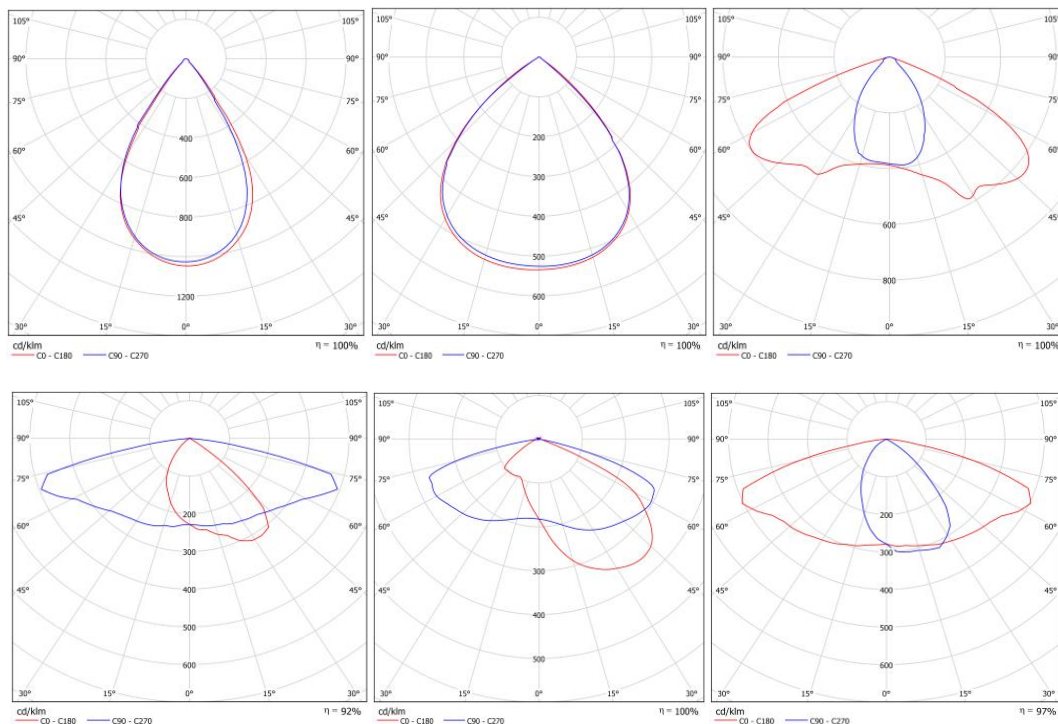
Wattage(W)	Dimensions (mm)			Mounting Screw Size	Maximum Windward Area(m²)	Weight (Kg)
	L	W	H			
50/60	470	326	95	M8	0.107	4.2/4.2
100/120	555	326	95	M8	0.139	5.0/5.3
150/180	640	326	95	M8	0.166	5.9/6.2
200/240	720	326	95	M8	0.193	6.8/7.1
250/300	835	326	95	M8	0.228	8.0/8.7

## Specification

Model	EXC-RL-Z08-50/60	EXC-RL-Z08-100/120	EXC-RL-Z08-150/180	EXC-RL-Z08-200/240	EXC-RL-Z08-250/300
Wattage (W)	50/60	100/120	150/180	200/240	250/300
Configuration	Lumileds/Philips/OSRAM/CREE/(3030/5050)				
Input Voltage (V)	90-305Vac				
Frequency (Hz)	50/60Hz ±3Hz				
Power Factor (PF)	PF≥0.95				
Power Efficiency	≥0.9				
Rated Input Voltage(V)	200V-240Vac				
Input Voltage Range(V)	90-305Vac				
Max Input Current(A)	0.60/0.73	1.21/1.45	1.81/2.18	2.42/2.90	3.02/3.62
THD	<15%				
LED Source	EMC3030/5050				
LED Driver	MOSO、SOSEN、Inventronics、MEANWELL				
Efficiency (lm/W)	≥130 (3030) or ≥150 (5050)				
CRI	> 70				
CCT	3000K/4000K/5000K/5700K				
Light Distribution	60°/90°/144°60°/155°75°/ Type2/Type3				
Tc (°C)	≤80 (Ta=40°C)				
Temperature (°C)	-40 ~ +50				
Operating Humidity	10%-90%				
Lifespan (H)	50000				
IK	IK08				
IP	IP66				
Net Weight(Kg)	4.2/4.2	5.0/5.3	5.9/6.2	6.8/7.1	8.0/8.7
Gross Weight(Kg)	5.6/5.6	6.5/6.8	7.5/7.8	8.4/8.8	9.8/10.6
Packing Meas.(mm)	575*385*175	660*385*175	745*385*175	830*385*175	945*385*175
Material	ADC12/AL6063/PC				
Installation	Horizontal installation (adjustable elevation angle) mounting interface arm φ40-60mm				



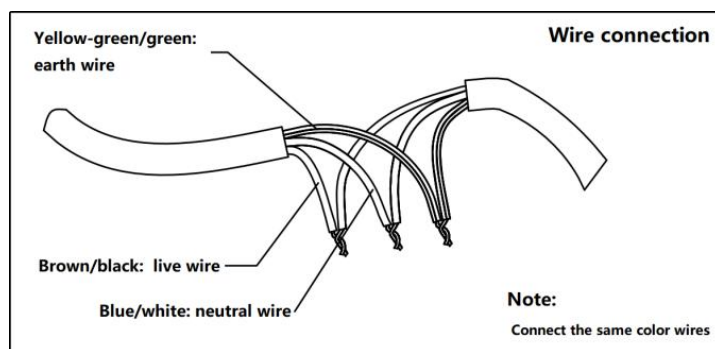
## Light distribution Curve



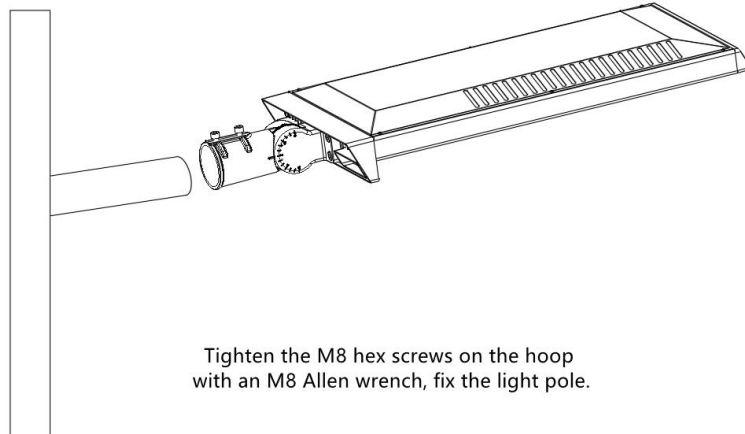
## Installation Diagram



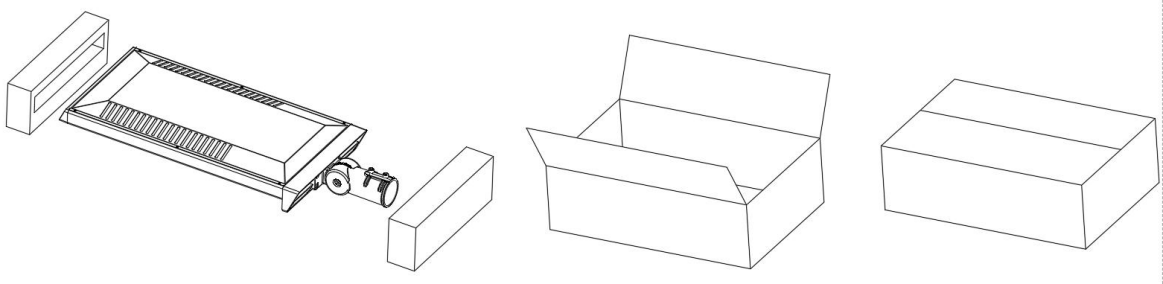
Warning: 1. It is strictly forbidden to install lamps with power on! 2. The lamps should be grounded reliably.



Connect the wires of the lamp to the electricity wire, and ensure that the colors of the connecting wires are the same (please refer to the detailed diagram). After the connection is completed, the waterproof and pull-proof treatment is required.



## Packaging



## Notes:

Before using this product, please read the following precautions carefully so that you can better apply this product correctly.

1. There are different warranty among different product models, please consult relevant personnel for details;
2. Open the package, check the product carefully, and handle with care to avoid scratches;
3. If you find any damage, please keep the package and contact our company in time;
4. Please do not try to use damaged products;
5. This product is a professional product, installation and maintenance require qualified electricians to operate;
6. Do not look directly at the lamp for a long time to avoid damage to your eyes.
7. The company is not responsible for the following cases:
  - a). For damage caused by fires, earthquakes, riots, wars, terrorist attacks, acts of third parties, and other matters;
  - b). Damage caused by the customer's intention or negligence, misuse, use under other abnormal conditions, etc.;
  - c). Incidental damage caused by the function or use of this product [interruption of business, loss of business

interests (including loss of use of equipment, cost of replacing any equipment, device or service, or your customer's claims);

d). Damage caused by using methods other than the contents of this manual;

e). Under any circumstances, such as operation, cleaning or warranty, please be sure to abide by the safety rules; if there is a violation that causes safety concerns beyond the original design and manufacturing, the company will not be responsible.