

## C2-B street light

EXC-RL-Z11-B series

Version: R001



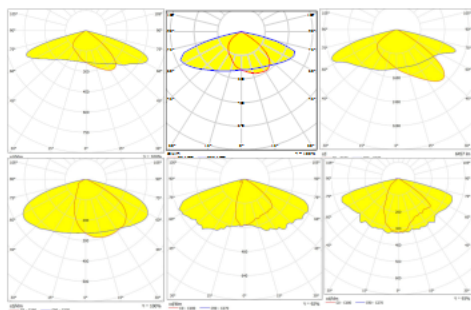
## Introduction

- EXC-RL-Z11-B series is the preferred modular street light, providing a new solution for road lighting. The GB module design provides flexible and adjustable matching and easy maintenance;
- Utilizes modular cooling technology to provide superior thermal management performance. Maximized heat dissipation enables the performance and lifespan of the luminaire to be guaranteed and the design of the luminaire is more compact and dexterous;
- Independent electrical chamber design, optoelectronic separation design, to ensure the stability of each system, to avoid thermal aggre gation;
- International first-line light source and power supply, providing high performance and high reliability, reducing operating costs;
- Lenses are made of high quality imported optical grade materials, with accurate light distribution, high efficiency and strong weather resistance;
- A variety of lighting distribution angles, suitable for a variety of lighting applications;
- PLC/ZIGBEE/Light Sensor etc. Various intelligent controls are available;
- EXC-RL-Z11-B series with its high performance, high reliability, high light control technology provides a competitive solution for road lighting, and the beautiful shape will become a unique landscape of the city.

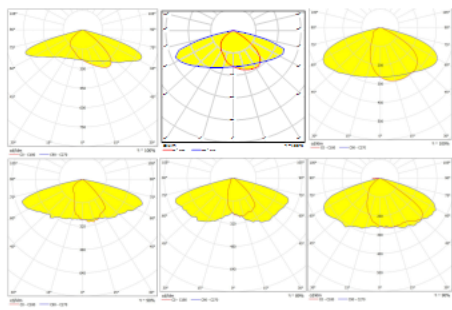


## Lighting curve

3030 LEDs

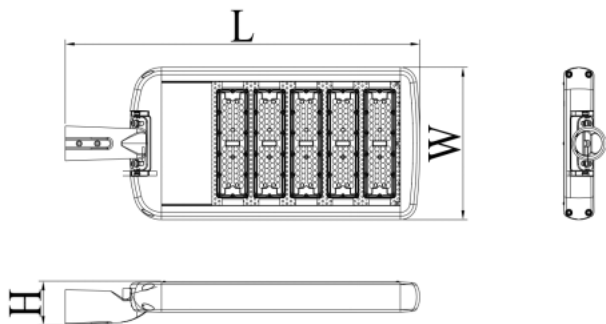


5050 LEDs



## Size

Model No.	Power (W)	Size (mm)			Screw size	Maximum windward area(m <sup>2</sup> )	Weight (kg)
		L	W	H			
EXC-RL-Z11-B-50	30	422	330	96	M8	0.091	3.3
EXC-RL-Z11-B-60	60	422	330	96	M8	0.091	3.3
EXC-RL-Z11-B-100	100	502	330	96	M8	0.117	4.1
EXC-RL-Z11-B-120	120	502	330	96	M8	0.117	4.1
EXC-RL-Z11-B-150	150	582	330	96	M8	0.142	5.1
EXC-RL-Z11-B-180	180	582 <td 330	96	M8	0.142	5.1	
EXC-RL-Z11-B-200	200	662	330	96	M8	0.168	5.6
EXC-RL-Z11-B-240	240	662	330	96	M8	0.168	5.6
EXC-RL-Z11-B-250	250	772	330	96	M8	0.203	7.3
EXC-RL-Z11-B-300	300	772	330	96	M8	0.203	7.3

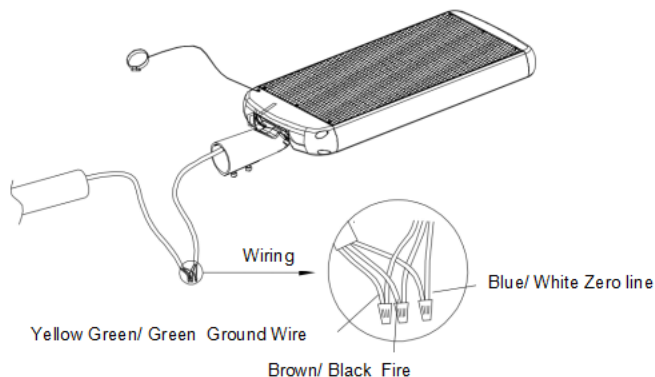


## Performance

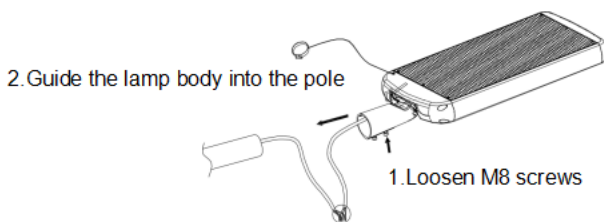
Model No.	EXC-RL-Z11-B									
Power(W)	50	60	100	120	150	180	200	240	250	300
Voltage (V)	90-305Vac									
Frequency (Hz)	50/60Hz ±3Hz									
PF	≥0.95									
Driver efficiency	≥0.9									
Rated input voltage	220-240Vac									
Input voltage range	90-305Vac									
Maximum input current (A)	0.60	0.73	1.21	1.45	1.81	2.18	2.42	2.90	3.02	3.62
Harmonic distortion	<15%									
LED chip	EMC3030、5050									
Quantity for LEDs(3030)	56	64	112	128	168	192	224	256	280	320
Quantity for LEDs(5050)	24	28	48	56	72	84	96	112	120	140
Brand for LED chip	Lumiled OR TYF LEDs									
Driver	Moso, Inventronic、Sosen、Meanwell									
Lighting efficiency for whole lamp (lm/W)	3030: ≥130 5050: ≥150									
Ra	>70									
CCT	3000K/4000K/5000K/5700K									
Lighting angle	60°/90°/144°/60°/155°/75°/ Type2/Type3									
Tc (°C)	≤80 (Ta=25°C)									
Working temperature (°C)	-40~+50									
Working humidity	10%-90%									
Lifespan (H)	50000									
IK degree	IK08									
IP degree	IP66									
N.W(kg)	3.3		4.1		5.1		5.6		7.3	
G.W(kg)	4.8		5.7		6.6		7.4		9.4	
Size (mm)	422*330*96		502*330*96		582*330*96		662*330*96		772*330*96	
Carton size(mm)/pcs	496*390*145		576*390*145		656*390*145		736*390*165		846*390*165	
Material	ADC12/AL6063/PC									
Installation method	horizontal/vertical, pole φ40-60mm									

1.Luminous efficacy is optional, up to 150 lm/W; programs can be matched according to actual needs;

## Installation



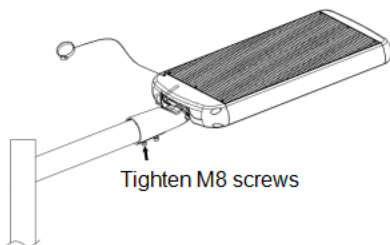
1. Connect the corresponding wires as shown in the diagram, and make sure that the color of each wire is the same (please refer to the detail drawing). After connecting, it is necessary to make corresponding waterproof and anti-pulling treatment.



2. Loosen the two M8 screws, insert the fixture sleeve into the light pole.

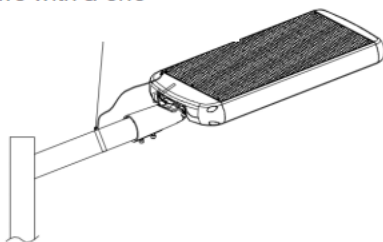
## Installation

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3. After the fixture is installed correctly, lock the two M8 screws.

4. Loosen the screws on the end of the safety rope clamp with a one-pronged wrench, tie the clamp to the pole, and then tighten the clamp screws with a one-pronged wrench.



4. Loosen the screws on the end of the safety rope clamp with a one-pronged wrench, tie the clamp to the pole, and then tighten the clamp screws with a one-pronged wrench.

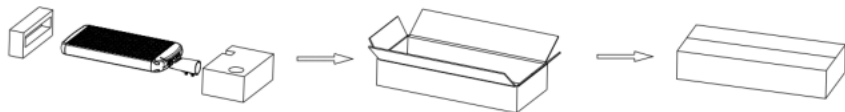
## Options

1. 0/1-10V dimming, time control, lighting sensor, IOT control, etc;
2. 3-pin, 5-pin, 7-pin NEMA base;
3. Seaside anti-corrosion coating;
4. Electrical isolation switch;
5. 10KV or 20KV surge protection;
6. Pole fixing: 60-42mm, 76-60mm.

## Warnings:

1. It is strictly prohibited to install the lamps with electricity!
2. The lamps should be reliably grounded.

## Packaging



## Attentions

1. Any form of installation/uninstallation or maintenance and electrical work must only be performed by a qualified electrician.
2. All wiring should be done after cutting off the power.
3. The street light must be grounded.
4. Always keep the lens/diffuser of the product cleaned to maintain good light transmission.
5. Always keep the shell of light cleaned to maintain good heat dissipation.
6. Cleaning must only be done with dry or wet cloth and the high bay should not be exposed to corrosive substance.
7. High voltage inside the fixture, please do not disassemble it, serious electric shock may occur otherwise.



## Shenzhen EXC-LED Technology Co., Ltd

EXC Industrial Park, No. 589 Kenong Road, Tangjia Community,  
Fenghuang Street, Guangming District, Shenzhen, China