

# EXC-RL-Z01 specification

**Name:** Red Flag Street Light

**Model No.:** EXC-RL-Z01 series

**Edition No.:** R001



## Brief introduction

- The EXC-RL-Z01 series adopt an integrated streamlined design, it is both elegant and stylish. multiple light distribution options are available, it can be used for all types of road lighting, creating an optimized road lighting environment.
- It adopts an integrated heat dissipation technology to provide excellent thermal management performance. The maximized cooling effect ensures the longevity of the lamp's performance, the design of the lamp is compact and elegant.
- The optoelectronic separation design ensures the stability of each system, preventing heat accumulation.

- The high-protection design offers excellent impact resistance as well as waterproof and dustproof performance.
- Branded LED chip and driver, providing high performance and reliability, reducing operating costs.
- The EXC-RL-Z01 series, with its high performance, high reliability, and advanced light control technology, offers a highly competitive solution for road lighting. Its elegant design will also become a unique feature of the city.

## Features

- Integrated die-cast design, elegant and stylish.
- Modern appearance, streamlined shape, smooth surface, and self-cleaning design.
- The power compartment is easy to open, easy for maintenance and installation.
- The shell is coated with electrostatic powder spray, corrosion-resistant and aging-resistant, the color is elegant.
- Multiple intelligent interfaces make the lamps more intelligent and digital.
- Multiple light distribution options are available, suitable for different road conditions and application requirements.
- Branded LED chip and driver are efficiently matched, ultra-long lifespan.

## ● Application areas

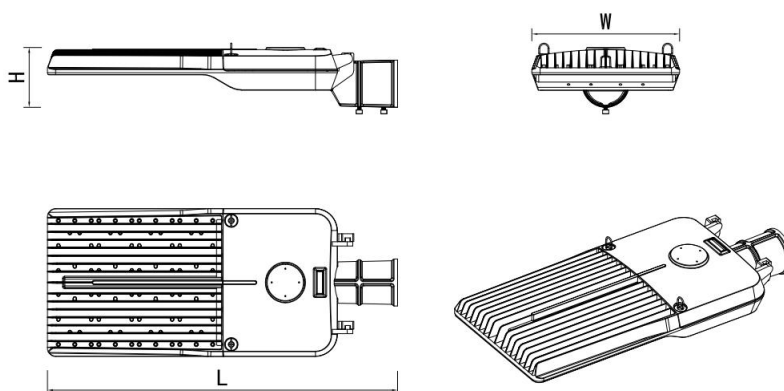
- It can be used for road lighting, square lighting, and sports lighting, especially for highways, expressways, main roads, and secondary roads. It is specifically designed to meet the special lighting needs of roads. Combining with branded LED chip, professional light distribution design, and thermal, structural, circuit, and power driver design, it is very cost-effective. It is also an energy-saving, and environmentally friendly lighting product.

## ● Picture and Size

### 1. Picture



## 2.Size



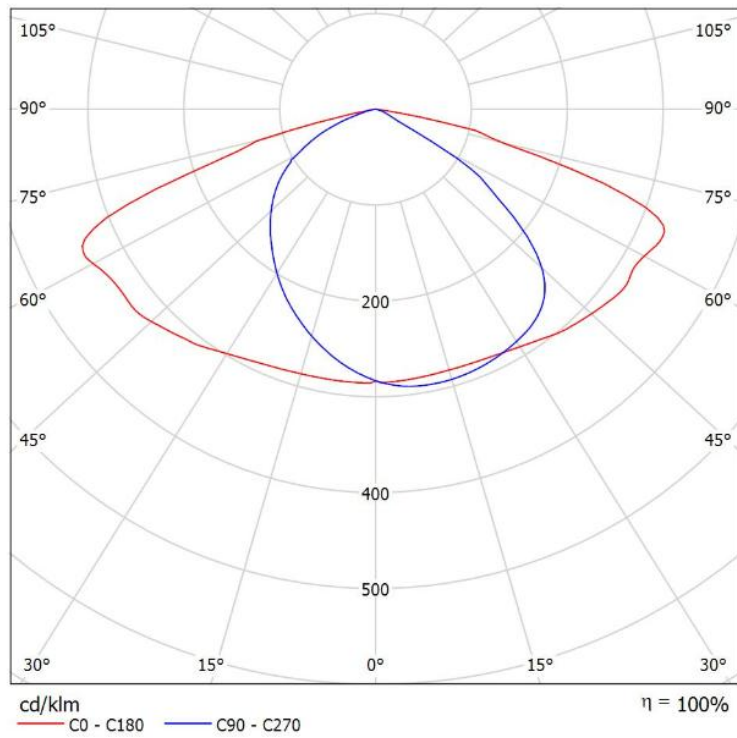
Model No.	Power(W)	Size (mm)			Size for the screw	maximum frontal area(m2)	Weight (kg)
		L	W	H			
EXC-RL-Z01-180	180	565	270	109	M8	0.132	5
EXC-RL-Z01-240	240	640	270	109	M8	0.151	5.8

● Parameters:

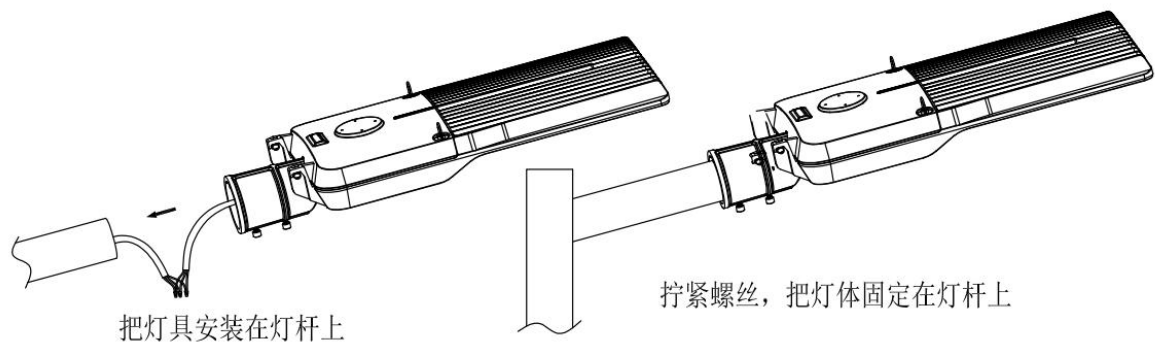
Model No.	EXC-RL-Z01-180	EXC-RL-Z01-240
Power(W)	180	240
Configuration	Stand configuration (3030 LEDs)	
Voltage (V)	90-305Vac	
Frequency Range (Hz)	50\60Hz ±3Hz	
PF	≥0.95	
Power Efficiency	≥0.92	
Voltage	220-240Vac	
Voltage	90-305Vac	
Maximum Input Current (A)	5	5.71
Harmonic Distortion	< 20%	
LED chip	EMC3030	
Driver Brand	Moso、Sosen、Inventronics、Meanwell	
Lighting Efficiency (lm/W)	≥130	
Ra	> 70	
CCT	3000K/4000K/5000K/5700K	
Lighting Angle	TYPE2 /TYPE3 /TYPE4	
Tc (°C)	≤80 (Ta=25°C)	
Working Temperature (°C)	-30 ~ +50	
Working Humidity	10%-90%	
Life span (H)	> 50000	
IK degree	IK10	
IP degree	IP66	
N.W(kg)	5	5.8
G.W(kg)	6.1	7
Size (mm)	565*270*109	640*270*109
Carton size (mm) /pcs	645*350*190/1pcs	725*350*190/1pcs
Material	Aluminum alloy ADC12/PC	
Installation method	Horizontal mounted/pole mounted φ40-60mm	

1、光效为最低光效, 最高可以做到 150 lm/W; 可根据实际需求匹配方案;

● Light distribution curve



## ● Installation methods



为避免受伤，在进行维护前，断开灯电源并让装置冷却。

警告：内部没有用户可维修的零件。有触电的危险。

## ● 选配

0/1-10V dimming, PR sensor, LoT and etc;

3 针, 5 针, 7 针 NEMA 底座;

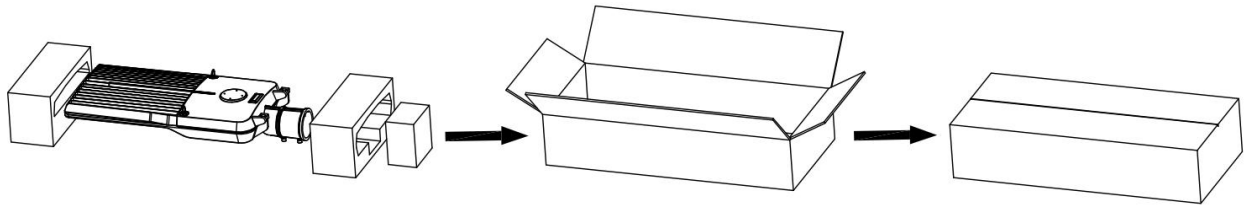
海边防腐涂料;

电气隔离开关;

10KV 或 20KV 浪涌保护;

灯杆固定: 60-42mm, 76-60mm。

## ● 包装示意图



## ● 注意事项：

适用此产品前，请您务必仔细阅读以下注意事项，以便能够更好的正确的适用本产品。

- 1、本产品质量保：不同版本质保时间有差异，具体请咨询相关人员；
- 2、打开包装，仔细检查产品，请轻放轻取，避免划伤；
- 3、如果发现任何损坏，请保留好包装并及时与我公司联系；
- 4、请不要尝试使用已经损坏的产品；
- 5、本产品属于专业产品，安装维护需要有资质的电工人员操作；
- 6、请勿长时间直视灯具，避免对眼睛造成伤害。
- 7、如果属于以下几点，本公司将不负责任：
  - a) 对于火灾、地震、暴动、战争、恐怖袭击、第三者的行为及其他事项等引起的损坏；
  - b) 客户的故意或过失、误用、其他异常条件下的使用等引起的损坏；
  - c) 对于本产品的作用或使用产生的附随性损害[业务的中断，事业利益的损失（包括使用仪器的损失、更换任何设备、装置或服务所产生的成本，或贵客户的索赔要求）]；
  - d) 对于应用本说明书的内容以外的使用方法而产生的损害；
  - e) 无论在任何情况下，如操作、清洁或保修，请务必遵守安全守则；若有违反，而造成超出原设计、制造之安全顾虑时，本公司将不予负责。