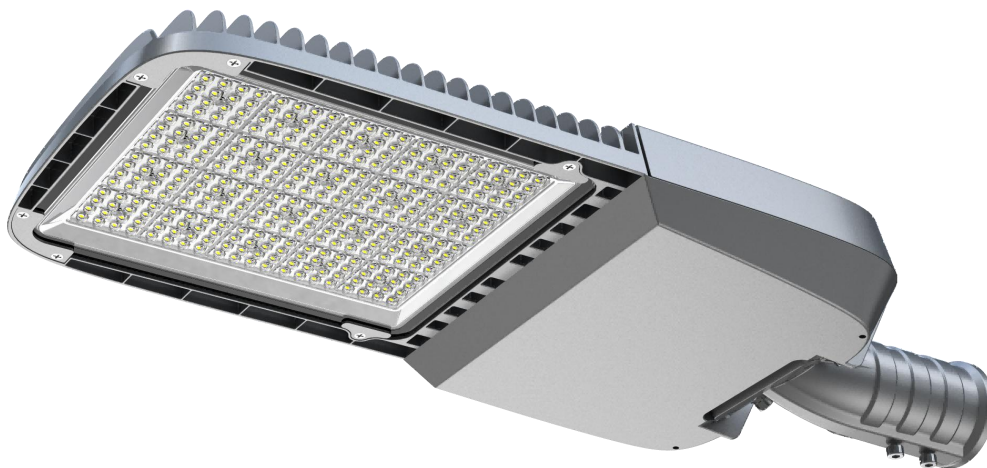


# Product Specifications

**Product Name:** LED Street Light

**Product Model:** EXC-RL-Z05-XXX

**Version Number:** R001



## Product Features:

- SMD3030 & 5050 high brightness LED, efficiency  $\geq 130\text{LM/W}$  &  $\geq 150\text{LM/W}$ ;
- Inventronics / MOSO / PHILIPS / SOSEN isolated led driver optional;
- New features "gradienter" design for auxiliary installation, more humanized;
- A variety of light distribution options(Type II, Type III and Type IV) are available to meet the application of different road lighting;
- A variety of smart interfaces(light sensor, NEMA base, Zigbee, etc.), lamps are more intelligent and digital;
- Adopting secondary structure design to decrease water resistance, which is more safe and reliable, and the waterproof grade reach to IP66;
- ADC12 die-cast aluminum housing with internally installed heat sink for optimum thermal performance and long lifespan;
- The power supply cavity is designed to open quickly with bare hands, and the upper flip cover is convenient for maintenance and installation;
- The surface of the lamp housing is painted by electrostatic powder spraying, which is resistant to corrosion and aging; the color is elegant;
- Supporting horizontal & vertical installation (mounting interface arm  $\phi 40\text{-}60\text{mm}$ ), and the installation bracket is  $-5^\circ$  to  $+15^\circ$  adjustable.

## Applications:

This product is designed for highways, expressways, main roads, secondary roads, city road, country road, alley, walkway, park, garden & square lighting, sports field lighting, etc.

**Product Images:**

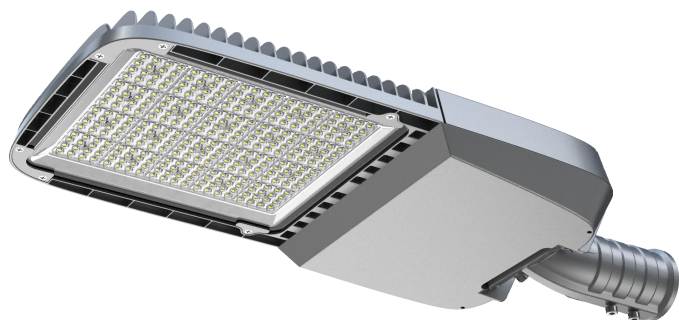
**80W - 100W**



**120W - 150W**



**180W - 250W**



**300W - 400W**



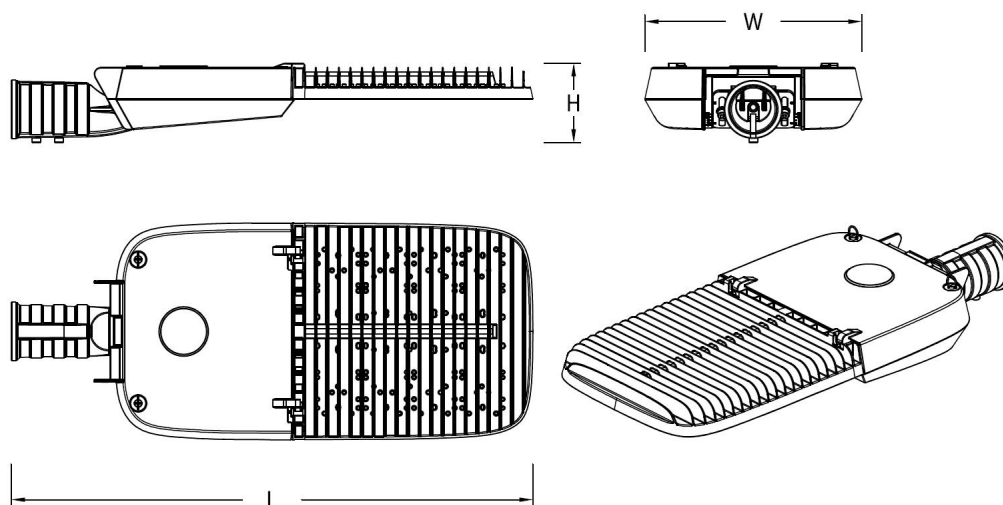
**80W - 150W**



**180W - 400W**



## Dimensions:



Part number	Power(W)	Dimensions (mm)			Installation Screw	Maximum Windward Area(m2)	Weight (Kg)
		L	W	H			
EXC-RL-Z05-80	80	588	302	107	M8	0.140	5.4
EXC-RL-Z05-100	100	588	302	107	M8	0.140	5.4
EXC-RL-Z05-120	120	659	302	107	M8	0.161	6.1
EXC-RL-Z05-150	150	659	302	107	M8	0.161	6.1
EXC-RL-Z05-180	180	769	320	112	M8	0.202	7.6
EXC-RL-Z05-200	200	769	320	112	M8	0.202	7.6
EXC-RL-Z05-250	250	769	320	112	M8	0.202	7.8
EXC-RL-Z05-300	300	910	320	112	M8	0.247	10.1
EXC-RL-Z05-360	360	910	320	112	M8	0.247	10.4
EXC-RL-Z05-400	400	910	320	112	M8	0.247	10.4

## Specifications:

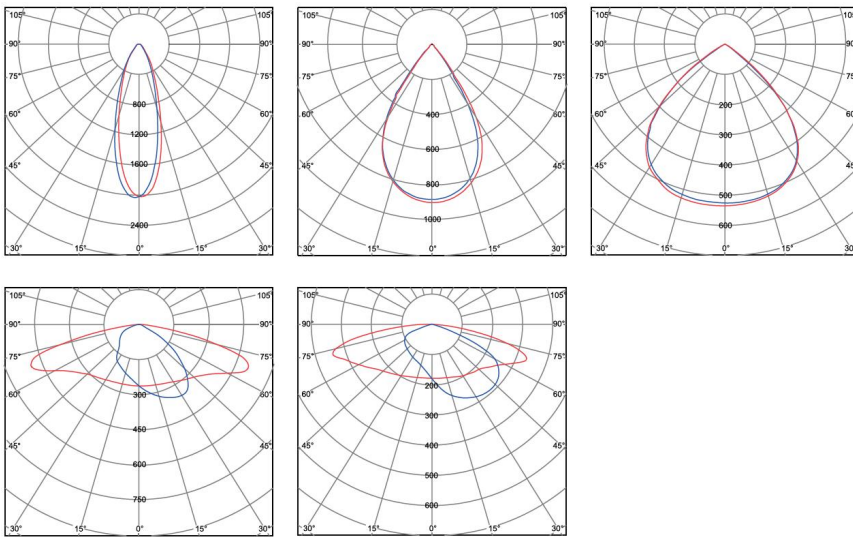
Product Model	EXC-RL-Z05									
Power(W)	80W	100W	120W	150W	180W	200W	250W	300W	360W	400W
LED Source	SMD3030 / SMD5050									
Efficiency (LM/W)	≥130LM/W / ≥150LM/W									
CRI	≥70									
CCT	2,700K - 6,500K									
Light Distribution	Bat Wing									
LED Driver	Inventronics / MOSO / PHILIPS / SOSEN									
Input Voltage	100-265Vac / 50 - 60Hz									
Power Factor (PF)	≥0.95									
Power Efficiency	≥0.92									
THD	< 20%									
Tc (°C)	≤80 (Ta=25°C)									
Operation Temperature (°C)	-40 ~ +50°C									
Operating Humidity	10%-90%									
Lifespan (H)	50,000Hs									
IK	IK08									
IP	IP66									
Net Weight(Kg)	5.4Kg		6.1Kg		7.6Kg		7.8Kg	10.1Kg	10.4Kg	
Gross Weight(Kg)	6.1Kg		7.0Kg		8.6Kg		8.8Kg	11.4Kg	11.7Kg	
Product Size (mm)	588*302*107		659*302*107		769*320*112			910*320*112		
Packing Meas.(mm)	645*350*160		715*350*160		839*380*177			980*380*177		
Material	ADC12 Die-casting Aluminum + Tempered Glass									
Bracket	-5° ~ +15° adjustable									
Installation	Horizontal & vertical installation / mounting interface arm φ40-60mm									



## Optional Accessories:

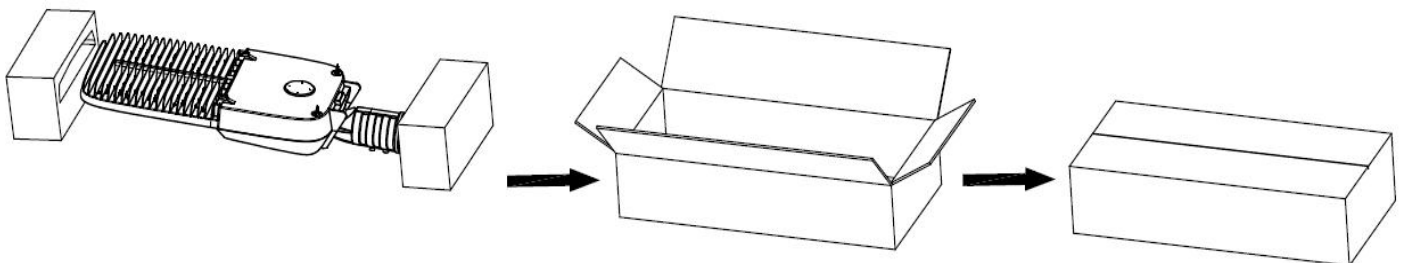
- A). 1-10V dimming, timer control, optical sensing, internet of things control, etc;
- B). 3-pin, 5-pin, 7-pin NEMA base;
- C). 10KV or 20KV surge protection;
- D). Lamp pole fixing: 60-40mm, 76-60mm.

## Light Distribution Curve:



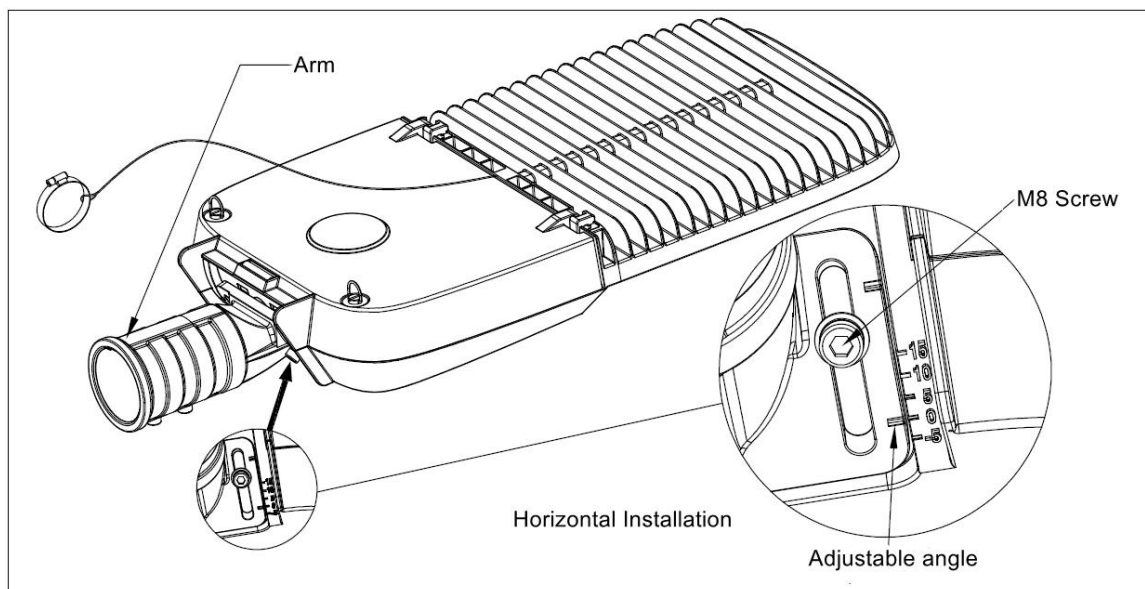
5050

## Packaging Diagram:

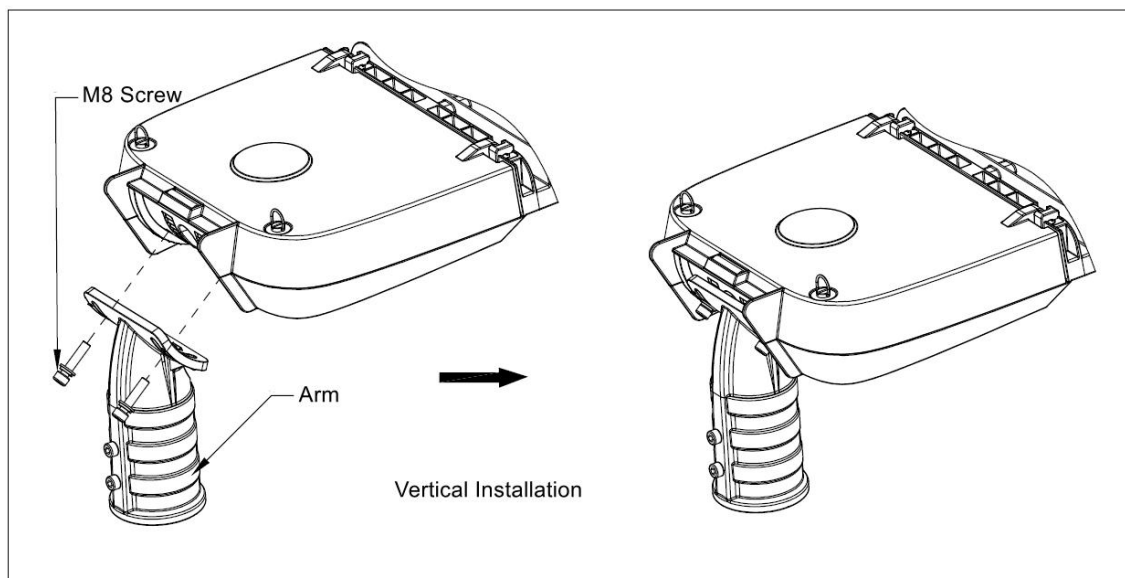


## Installation Instructions

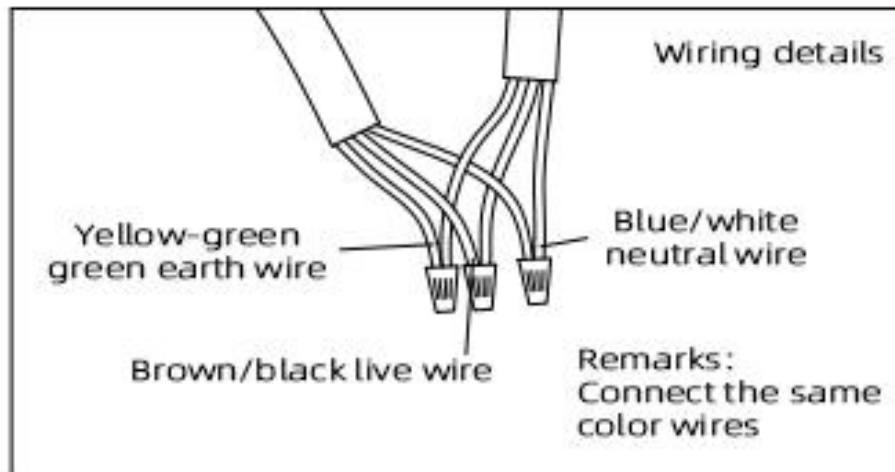
1. When the lamp is installed horizontally, loosen the M8 screw, and adjust the lamp arm to the scale pointer points to the required angle.



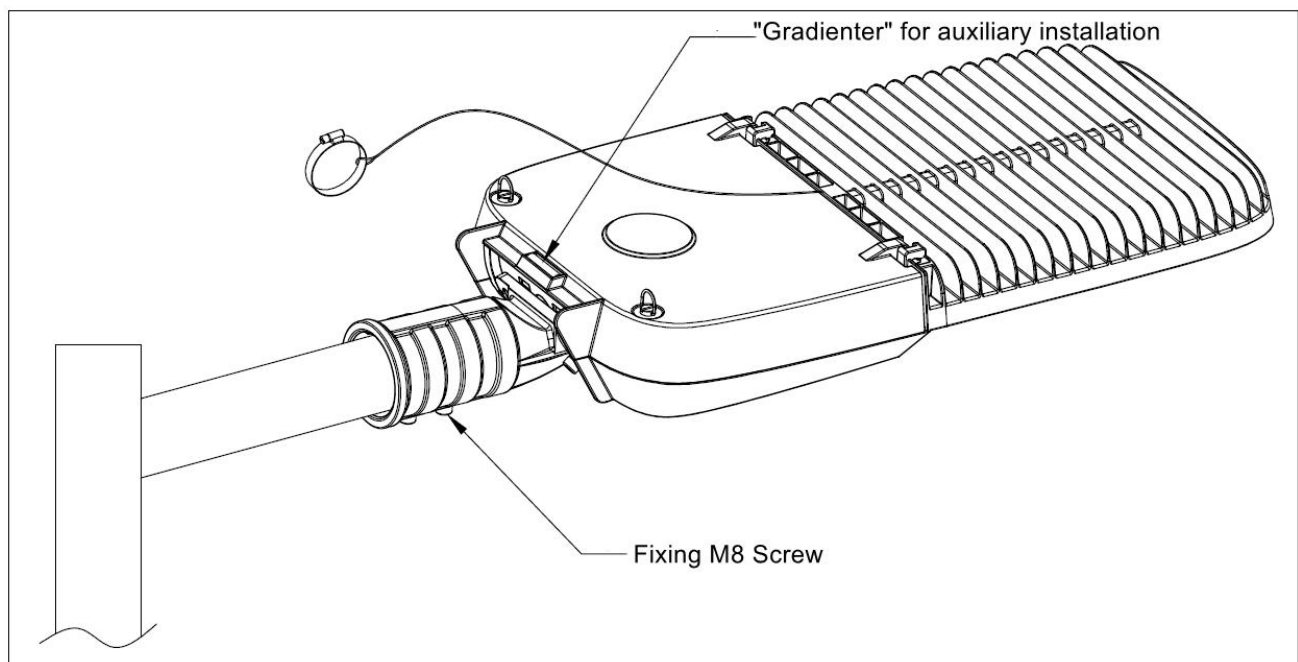
2. When the lamp is installed vertically, adjust the lamp arm to the vertical direction, adjust the lamp arm so that the scale pointer points to the required angle, and tighten the lamp arm screws.



3. Connect the street lamp input line with city wire (in the lamp pole), and connect the corresponding line according to the way shown in the figure to ensure that the color of each connecting line is the same (please refer to the detail drawing). After connection, corresponding waterproof and anti pulling treatment shall be done.

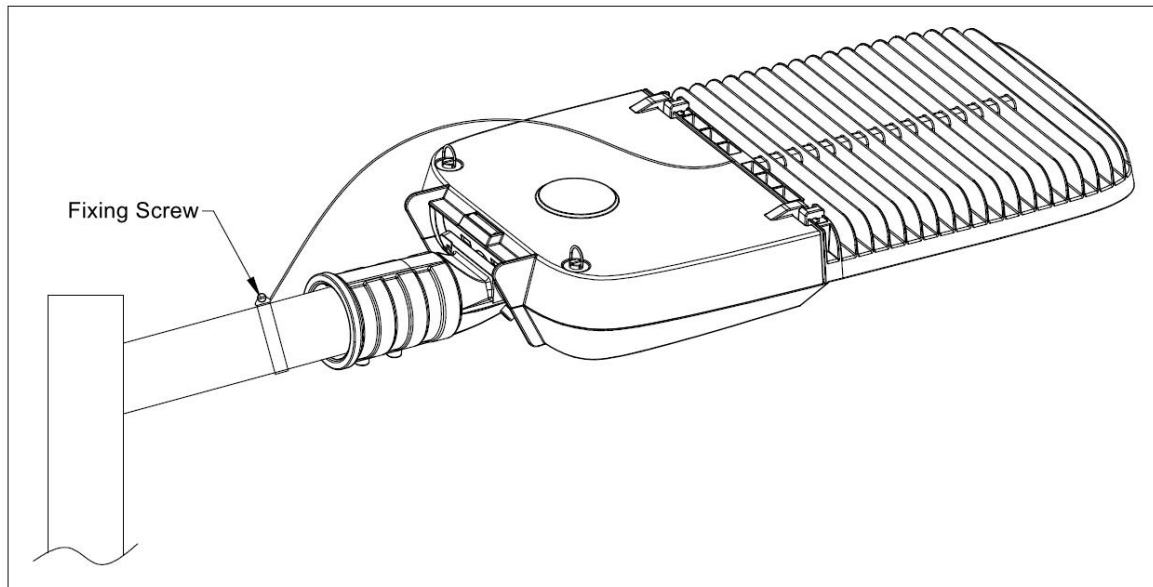


4. Loosen the M8 screw on the lamp arm with No. 6 Allen wrench, put the lamp arm into the lamp post, and adjust the lamp body so that the bubble of the level gauge is in the middle position.

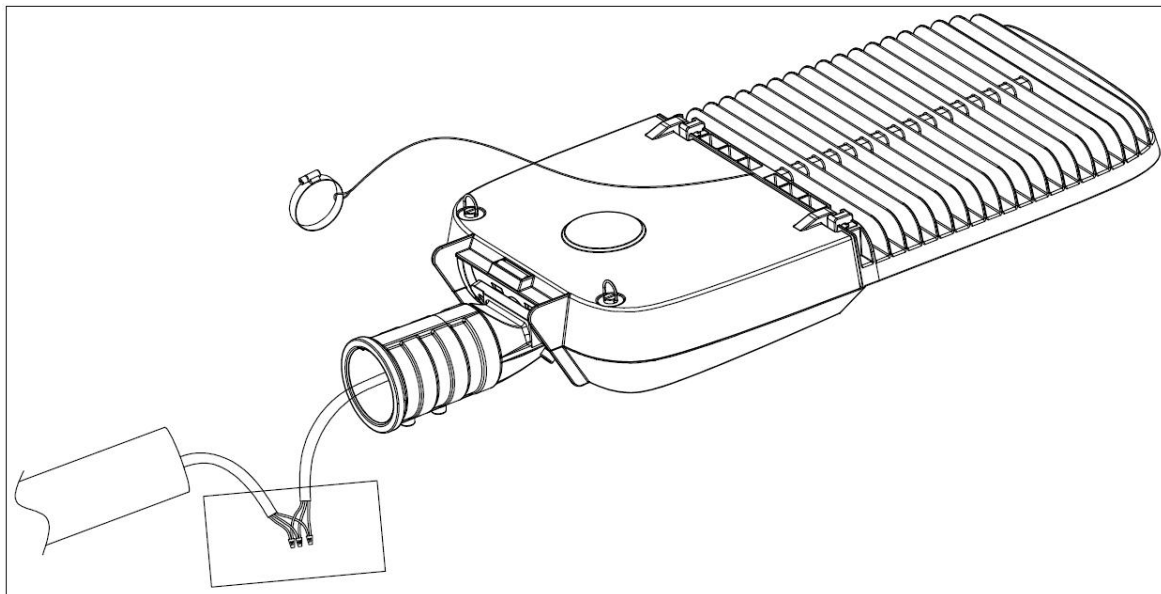




5. Tighten the 2 pieces M8 screws on the lamp socket with 6 Allen wrench.



6. Loosen the hoop end screws with a slotted screwdriver, bind the hoop on the lamp pole, and then tighten the hoop screws with a slotted screwdriver.



**To avoid injury, disconnect the power supply of the lamp and allow the unit to cool down before maintenance.**

**Warning: there are no user serviceable parts inside. Danger of electric shock.**

## Attention:

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

1. Warranty of this product: the warranty time of different versions is different. Please consult relevant personnel for details;
2. Open the package and carefully check the product. Please handle it with care to avoid scratching;
3. If any damage is found, 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;
6. Do not look directly at the lamp for a long time to avoid eye injury.
7. The company will not be responsible for the following points:
  - a) Damage caused by fire, earthquake, riot, war, terrorist attack, acts of a third party and other matters;
  - b) Damage caused by the customer's intentional or negligent use, misuse, use under other abnormal conditions, etc;
  - c) Collateral damage arising from the function or use of the product [business interruption, loss of business interests (including loss of use of instruments, cost incurred in replacing any equipment, device or service, or your customer's claim)];
  - d) Damage caused by using methods other than those in this manual;
  - e) In any case, such as operation, cleaning or warranty, please be sure to abide by the safety code; The company will not be responsible for any violation that causes safety concerns beyond the original design and manufacturing.