

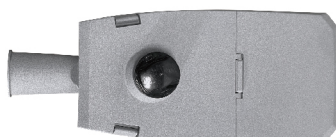
CE CB RoHS



ST46 series LED Street Light

20W~240W

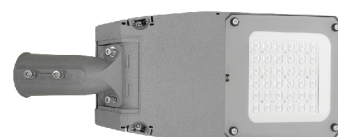
- A. High pressure die-casting aluminum housing with quick heat ventilation.
- B. Excellent thermal management and outstanding self-cleaning capability.
- C. High efficient SMD5050 chips and high quality driver, assures long lifetime.
- D. Multiple beam angle optics for options according to various lighting applications.
- E. With movable handle, the installation angle is adjustable from 0-90 °; the lamp housing can be opened manually, and the power is automatically cut off, which is convenient for maintenance.



top view



side view



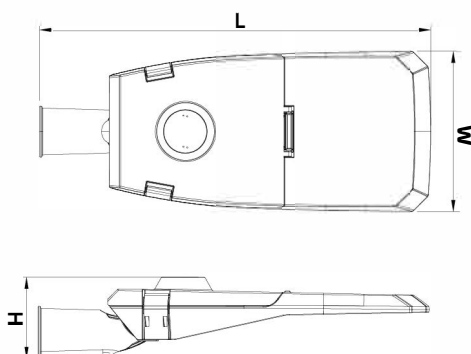
bottom view

Product Number	ST46-Mi	ST46-S	ST46-M	ST46-L
Rated Power	20-40W	50-100W	120-150W	200-240W
LED's (pcs)	18	54	72	108
Input Voltage	100~277V AC			
LED Brand	LUMILEDS, CREE or SOUL			
Chip Type	SMD5050			
Led Light Luminous	≥160LM/W			
Driver brand	MW, PHILIPS, INV or SOSEN			
Beam Angle	TYPE I, TYPE II, TYPE III or TYPE V			
Control method	Regulor, 0-10V/PMW/DALI dimming, optional			
Sensor	Nema or ZHAGA, optional			
Power factor	>0.95			
Color rendering index	>70 or >80			
Frequency Range	50/60Hz			
Color Temp	3000~6500K			
Lamp body material	AL Body, PC lens and GLASS cover			
Installation diameter	Φ60mm(default)			
Working Temperature	-40~55°C			
Working Humidity	10~90%			
Life/Warranty	>50,000hrs			
Surge protection	10KV or 20KV			
IP Grade	IP66			
IK Grade	IK10			
Lamp Size	465x251x119mm	632x259x130mm	711x311x131mm	863x361x145mm
Authentication	CE CB ENEC/ENEC+ RoHS			

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Product Size



产品型号	L	W	H
ST46-Mi	465	251	119
ST46-S	632	259	130
ST46-M	711	311	131
ST46-L	863	361	145

Product Display

ST46 will use stunning fixtures visually. The result is a lighting solution that enhances the richness of the lighting installation environment.

Regardless of the configuration, each product in the ST46 series features the same graceful bending fixture, clean casing, and almost seamless installation components.

POLE MOUNTED

- The pole mounted luminaires are available with upswept side-arm and decorative pendant mounting configurations. Contemporary and sleek styling help the ST46 blend into any environment.



OPTICAL SYSTEM

- With its dense LED arrangement and precision optics, the ST46 delivers high-performance illumination and extraordinary visual comfort.

Optional optical controller

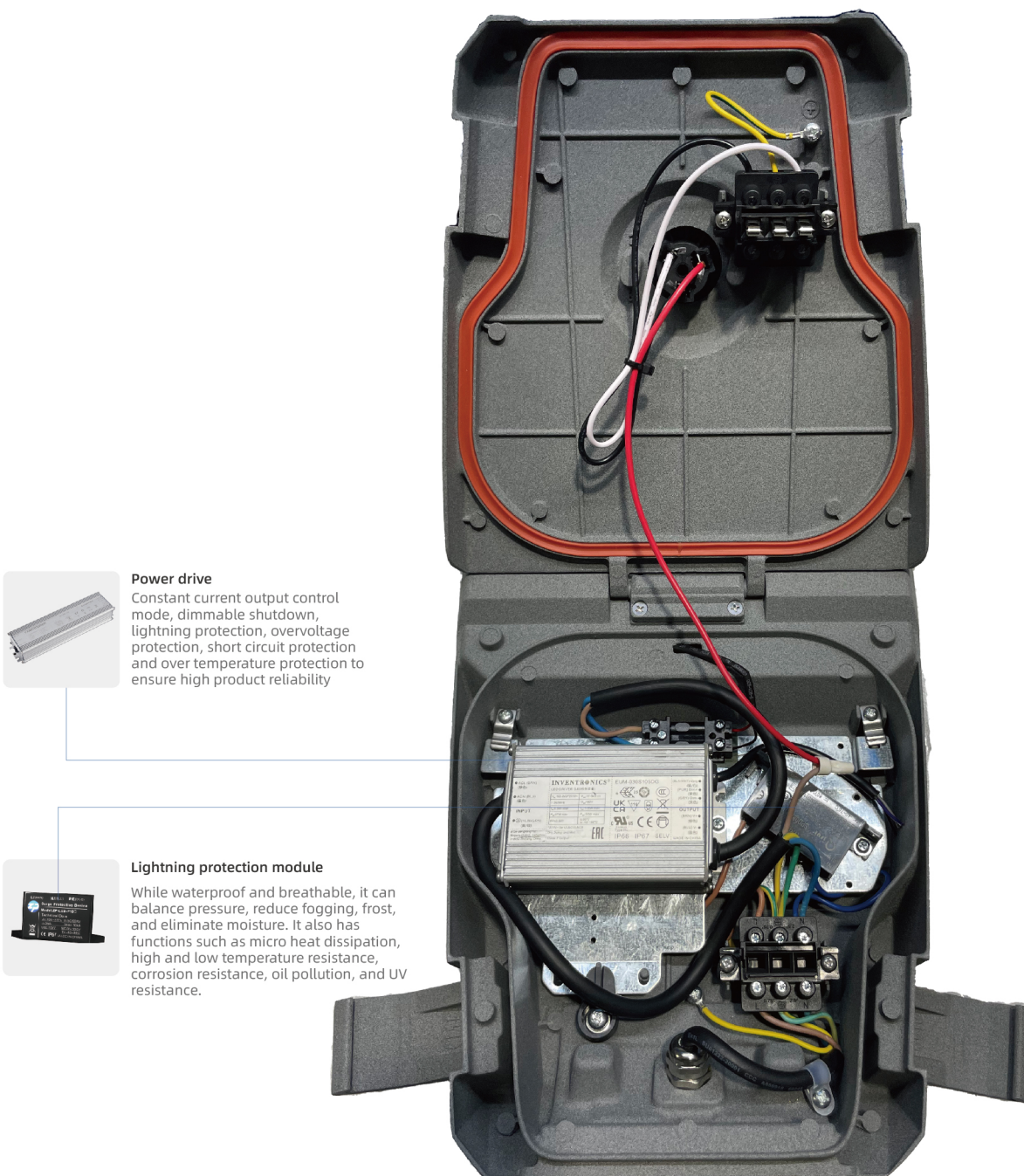
This series of lamps can be equipped with various sensors/light management systems, which can achieve functions such as photoelectric timing, dimming, remote management, and fault alarm.



Product Display

Lighting plays an increasingly important role. A good lighting environment helps residents and visitors feel safe and experience the city more pleasantly even at night.

Urban lighting plays an important role in making cities better and safer. Good lighting helps residents and visitors to feel better and enjoy the city at night also. Thanks to the LED efficient lighting system, energy consumption can be reduced, energy efficiency and sustainability can be achieved.



Power drive

Constant current output control mode, dimmable shutdown, lightning protection, overvoltage protection, short circuit protection and over temperature protection to ensure high product reliability

Lightning protection module

While waterproof and breathable, it can balance pressure, reduce fogging, frost, and eliminate moisture. It also has functions such as micro heat dissipation, high and low temperature resistance, corrosion resistance, oil pollution, and UV resistance.

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Product Display



BODY

The body is made of high pressure die-cast aluminum with strong corrosion resistance. The overall modeling design is simple and atmospheric, modern and beautiful.



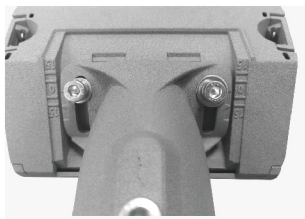
Four in one light source

Using four-in-one light source chip to obtain the best uniform illuminance and improve the lighting effect. High luminous efficiency, more energy saving, and cost-effective.



Optical controller

Photocell sensors switch the luminaire on as soon natural light falls to a certain level. It can be programmed to switch on during a storm, on a cloudy day (in critical areas) or only at nightfall so as to provide safety and comfort in public spaces.



Angle opening and closing design

Gear design is adopted for lamp body sleeve, and the installation angle is adjustable.



IK Degree: IK09

The degree of protection of the enclosure against harmful mechanical impact.



IP Degree: IP66

Prevent water spraying, and the water jet aiming at the equipment from any direction shall not cause damage.

Intelligent Lighting

The lamps can be equipped with smart components and configured as smart street lamps, integrating transportation, environmental monitoring, energy management, city management and other hardware functions, which can be widely distributed to all corners of the city to help the construction of smart cities.

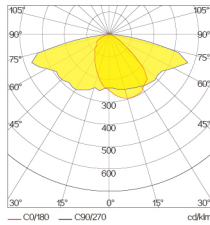


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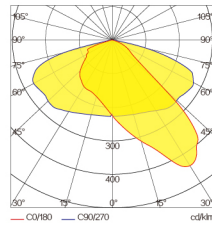


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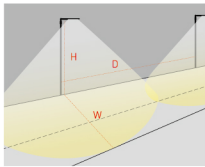
Light Distribution Display



TYPE II

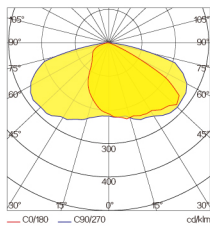


TYPE II-S

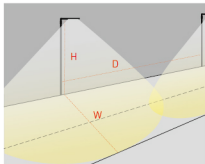
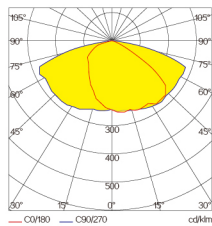


TYPE II : This type of light is mainly used for wide sidewalks, entrances to traffic lanes, bicycle lanes or other narrow and narrow lighting applications. The main body of the lamp holder is located on the side of the road, not in the center. The illumination width is roughly 1.75 times the lamp height.

H=The vertical height of the street light pole and the ground
W = the width of the irradiated area
D = the distance between the street lamp and the street lamp

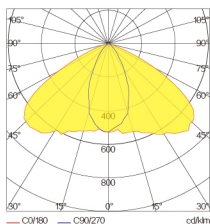


TYPE III

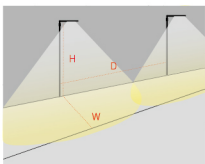


TYPE III: Mainly used for highways, driving lanes, parking lots and general square lighting. The main body of the lamp holder is located on the side of the road, and the lighting width is 2.75 times the height of the lamp.

H=The vertical height of the street light pole and the ground
W = the width of the irradiated area
D = the distance between the street lamp and the street lamp



TYPE I



TYPE I : Mainly used for general parking lot lighting and large-scale square lighting. The lighting range is a circle, and the main body of the lamp holder is located in the center of the lighting area.

H=The vertical height of the street light pole and the ground
W = the width of the irradiated area
D = the distance between the street lamp and the street lamp



It is suitable for parking lots, parks, residential areas, industrial areas, schools, hospitals, communities and other outdoor lighting places



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