

CE CB RoHS



## ST29 series LED Street Light

20W~240W

- All aluminum die-casting shell with high thermal conductivity and heat dissipation structure design, with a luminous efficiency of up to 160LM/W.
- Gear design is adopted for lamp body sleeve, and the installation angle is adjustable.
- Low energy consumption, using high-efficiency constant current drive, saving 60% energy; Equipped with overcurrent, overvoltage, lightning, and high temperature protection, fully ensuring product life and stable performance.
- Bat wing light distribution to achieve the best uniform lighting and improve the lighting effect.
- Light controller can be installed optionally to facilitate light control and other intelligent control.
- The protection level can reach IP66&IK09.



ST29-Mi



ST29-S



ST29-M



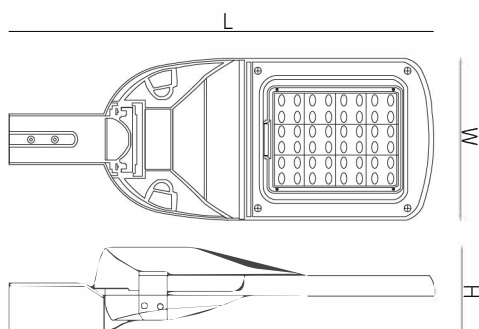
ST29-L

Product Number	ST29-Mi	ST29-S	ST29-M	ST29-L
Rated Power	20W-240W			
Input Voltage	100~277V AC or 12/24V DC			
LED Brand	LUMILEDS, CREE or SOUL			
Chip Type	SMD3030 or SMD5050			
Led Light Luminous	>130LM/W@SMD3030, >160LM/W@SMD5050			
Driver brand	MW, PHILIPS, INV or SOSEN			
Beam Angle	TYPE II, TYPE III or TYPE V, optional			
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), or Φ50mm			
Working Temperature	-40~55°C			
Working Humidity	10~90%			
Life/Warranty	>50,000hrs			
Surge protection	10KV or 20KV			
IP Grade	IP66			
IK Grade	IK09			
Lamp Size	535x200x120mm	620x235x125mm	690x260x130mm	810x320x135mm
Authentication	CE CB ENEC/ENEC+ RoHS			

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## Product Size



产品型号	L	W	H
ST29-Mi	535	200	120
ST29-S	620	235	125
ST29-M	690	260	130
ST29-L	810	320	135

## Product Display

ST29 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 ST429 series has the same beautiful shape, with adjustable sleeve angle installation and installation components that can be applied horizontally and vertically.

### POLE MOUNTED

Pole mounted lamps have upwardly curved side arms and vertical mounting configurations. The modern and fashionable design helps ST29 integrate into any environment.



### FLOWING FORM

Smooth transition regardless of mounting. Styling complements surroundings. Well hidden hardware.

### OPTICAL SYSTEM

With its dense LED arrangement and precision optics, the ST29 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-off switch design

Maintenance personnel can repair or replace the luminaire without cutting off the power supply, which is safe and convenient, and there will be no safety hazards.



### 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.



Two types of lenses are available, with patented light source technology. Through a special structure, the light emitted by the light source can be formed into a bat wing shape, achieving the best uniform lighting and improving the lighting effect.

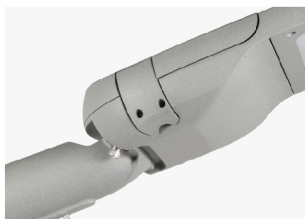


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## Product Display



### 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 as 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.

## Installation method

The luminaire adopts horizontal and vertical installation, and supports angle adjustment, which can be adjusted according to different lighting environment to meet different lighting needs.



## Buckle shrapnel switch design

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The switch adopts a snap-on shrapnel design, which can be operated with bare hands without tools, which is convenient for installation and equipment maintenance, and saves labor costs.



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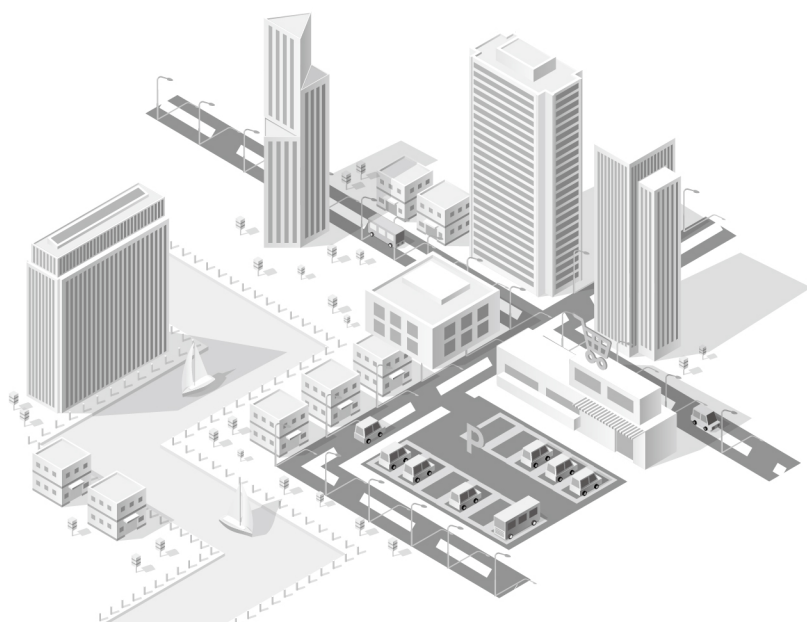
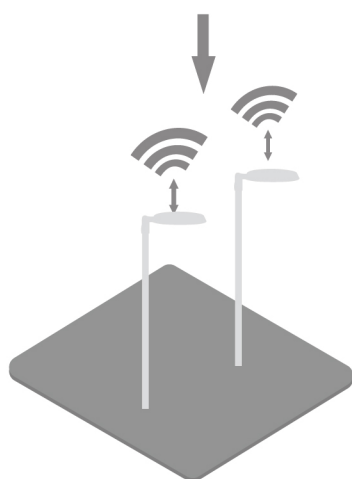


## Cover opening design

Snap+cover opening design, no tools are needed for snap closing. The lamp cover can be opened and closed with large diameter at any angle, and it is easy to install, maintain and operate without restriction.

## 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.



### Control options

From simple factory-set dimming to full CMS: enhance your luminaire through intelligent, connected sensors and control systems.

#### Benefits of smart control

- Reduced energy consumption
- Reduced carbon footprint
- Longer luminaire life
- Lower capital, maintenance and energy costs
- Ability to collect data



#### Bluetooth

For on/off switching, light control and dimming



#### Smart control

Integral CMS: connected (or Smart) assets which use wireless communications networks, offering optimal flexibility. Control a single luminaire or group switch remotely.



#### Simple, stand-alone controls

Factory-set dimming, time switches, photocells and presence detectors. Control in its simplest form.

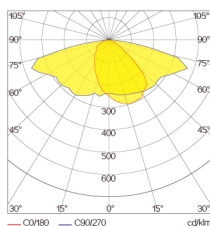
traffic

Environmental  
monitoring

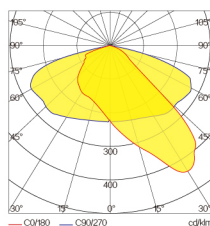
Traffic management

City management

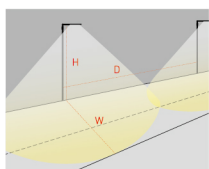
## Light Distribution Display



TYPE II-M

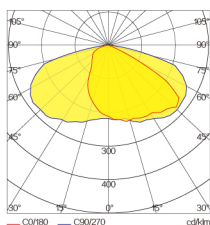


TYPE II-S

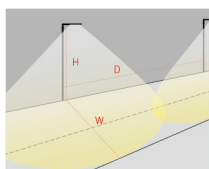
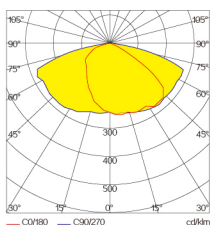


TYPE II-M: This type of light is mainly used for wide sidewalks, entrances to traffic lanes, bicycle lanes or other narrow and narrow lighting applications. The main body of the lamp holder is located on the side of the road, not in the center. The illumination width is roughly 1.75 times the lamp height.

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

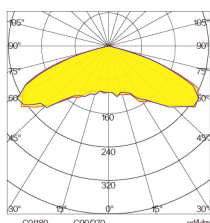


TYPE III-S

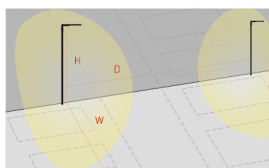


TYPE III-S: Mainly used for highways, driving lanes, parking lots and general square lighting. The main body of the lamp holder is located on the side of the road, and the lighting width is 2.75 times the height of the lamp.

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 V



TYPE V: 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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