



STARLINE series

City circuit light

D e s i g n & P e r f o r m a n c e

Lamps and lanterns And unparalleled design

The Art of designing for light

STARLINE.series



○ STRUCTURAL SUBJECT

The lamp body is made of die cast aluminum

○ OPTICAL ELEMENT

The light source adopts bat wing lens optical accessories

○ HIGH EFFICIENCY HEAT SINK

Excellent thermal conductivity and large heat exchange area

○ INNOVATIVE ASSEMBLY METHODS

The sleeve angle can be adjusted for horizontal and vertical installation

Application Scene

- Streets, paths and bike paths
- Residential streets
- Shared zones, commercial streets in urban areas
- Rural roads,Urban roads
- Motorways and ring roads



Main lamp display

Lighting display

STARLINE



TECHNICAL SPECIFICATIONS

GENERAL HIGHLIGHTS

- Used in roads, squares, scenic spots and other outdoor lighting places
- Operating temperature: -30°C / +50°C
- Easy installation and maintenance
- High quality chip
- Less light fading, durable
- The sleeve is designed with adjustable angle
- Meet the lighting angle
- Excellent heat dissipation

OPTICAL PROPERTIES

- Various lens arrangements for different zones and different installation areas
- Homogenous light distribution
- Lens adopts bat wing light distribution design to improve lighting effect
- Color temperature: 3000K-6500K
- Color rendering index:>70

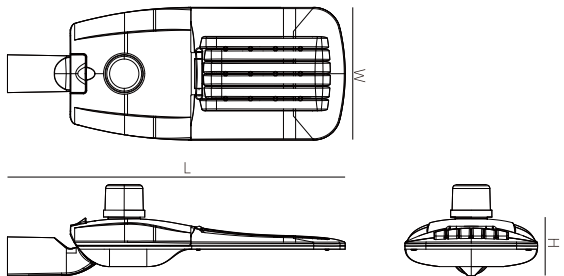
LAMP BODY SHELL

- Corrosion resistant die-cast aluminum housing
- Electrostatic powder coating
- Ingress protection: IP66
- Impact protection: IK09



Technical parameter			
Model	Starline-S	Starline-M	Starline-L
Power	60W	120W	240W
Number of modules	9 groups	12 groups	24 groups
Nominal voltage	AC100-305V, 50/60Hz		
Type of light distribution	Bat Wing for light		
Luminous Efficiency	120~150Lm/W		
CRI	CRI70/CRI80		
CCT	4000K/5000K/6500K		
IP Rate	IP65		
Working Environment	-20°C~45°C.20%~90% RH		
Storage Temperature	-20°C~70°C.10%~90% RH		
Body Material	Aluminum die-casting		
Lens Material	PC Lens PC		
Installation height	6m-12m		
Lamp body size	618 x 230 x 116mm	689 x 270 x 119mm	826 x 325 x 120mm
Luminaire N.W	/kg	/kg	/kg

Size (mm)



Product Model	L	w	H	Model
Starline-S	618	230	116	9 groups
Starline-M	689	270	119	12 groups
Starline-L	826	325	120	24 groups



Structure



	CRI
100-305V	70-80
	PF
10-90%RH	>0.95
CCT	
4000K~6500K	50000H
50-60Hz	-20°C 70°C
IP66	IK09

If necessary, various sensors/light management systems can be equipped at this position of the lamp to realize photoelectric timing, dimming, remote management, fault alarm and other functions.

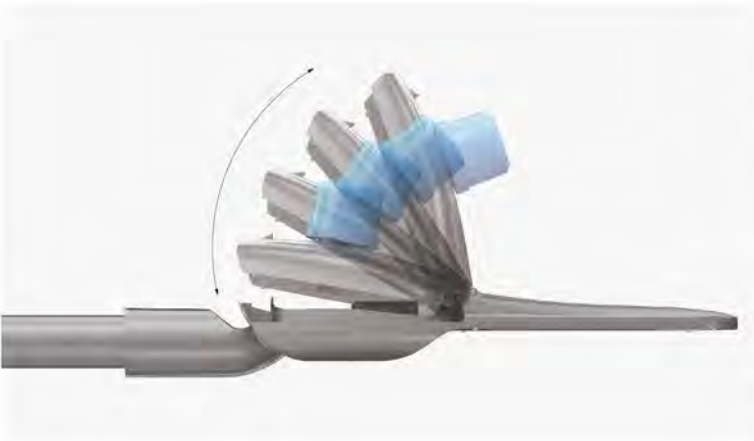


Lighting display



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.



Large angle cover opening design

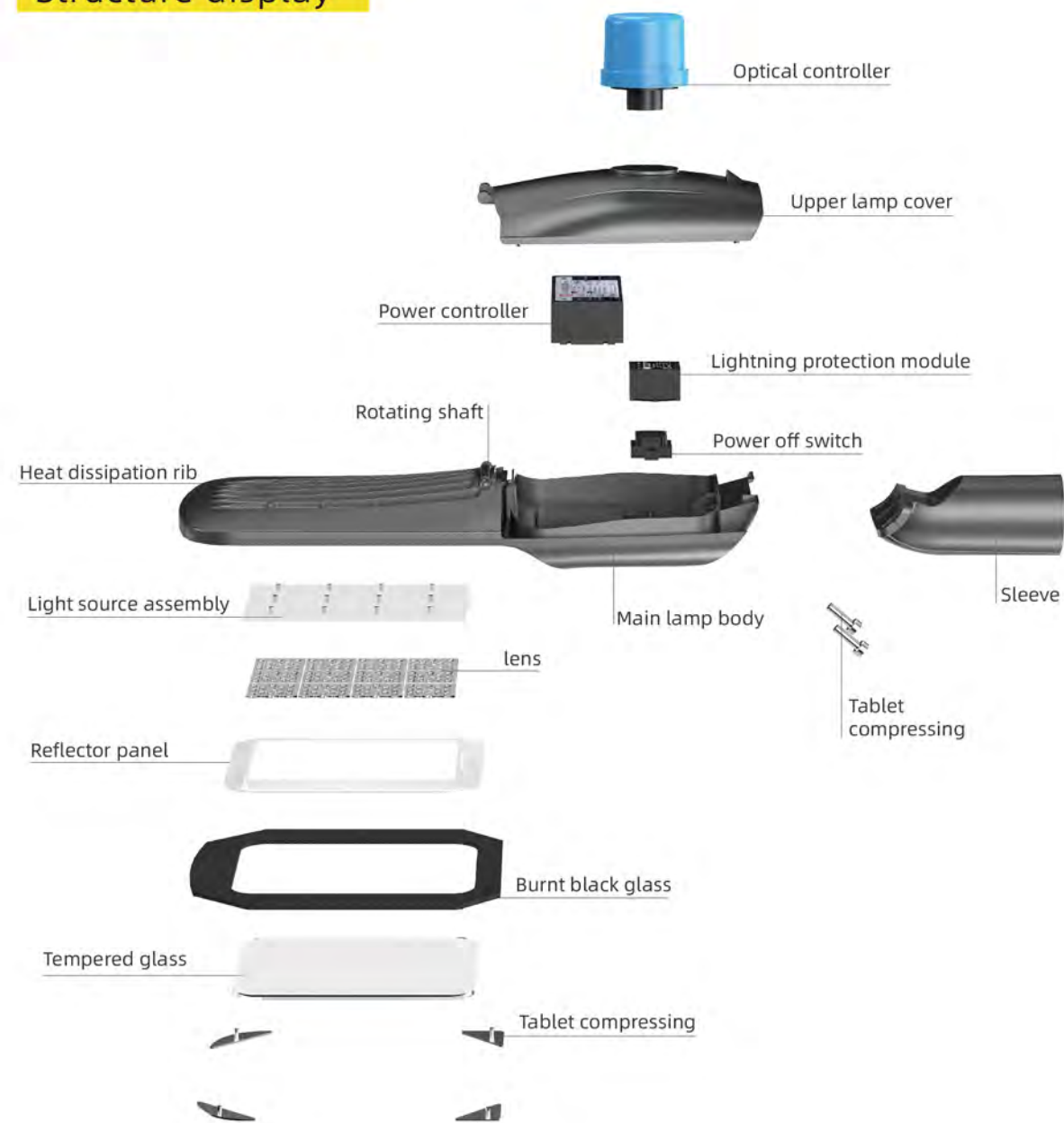
Snap+cover opening design, no tools are needed for snap closing. The lamp cover can be opened and closed with large diameter at any angle, and it is easy to install, maintain and operate without restriction.

Snap switch design

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.



Structure display



IP65

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



IK10

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

© Light controller can be installed optionally to facilitate light control and other intelligent control.

© Streamlined design, not easy to accumulate dust.

© Toughened protective glass cover

© Bat wing light distribution to achieve the best uniform lighting and improve the lighting effect.

© High efficiency single lamp controller

© Independent power supply compartment, convenient for maintenance.

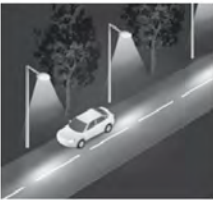
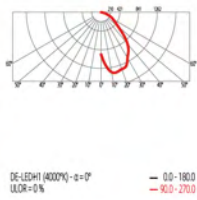
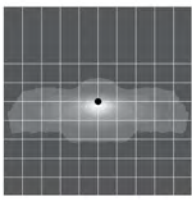
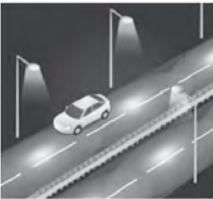
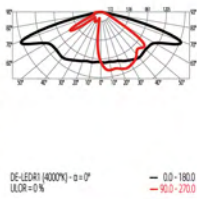
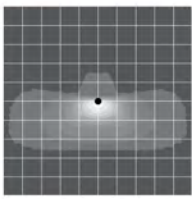
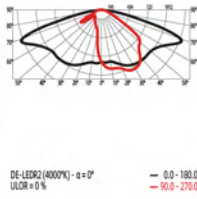
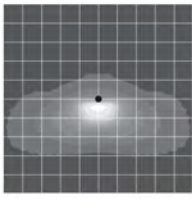
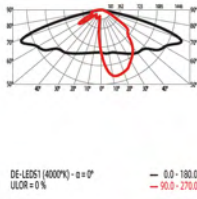
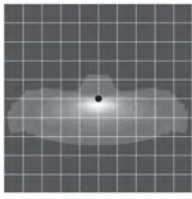
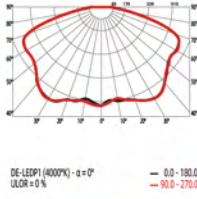
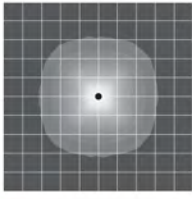
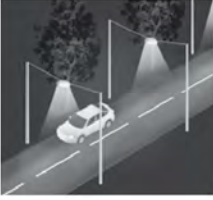
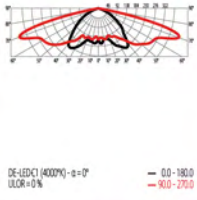
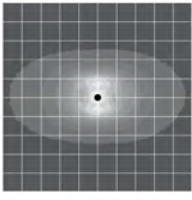
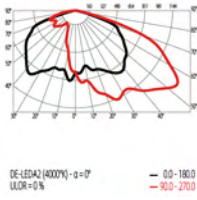
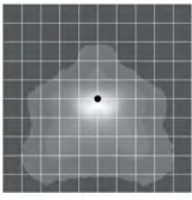
© Gear design is adopted for lamp body sleeve, and the installation angle is adjustable



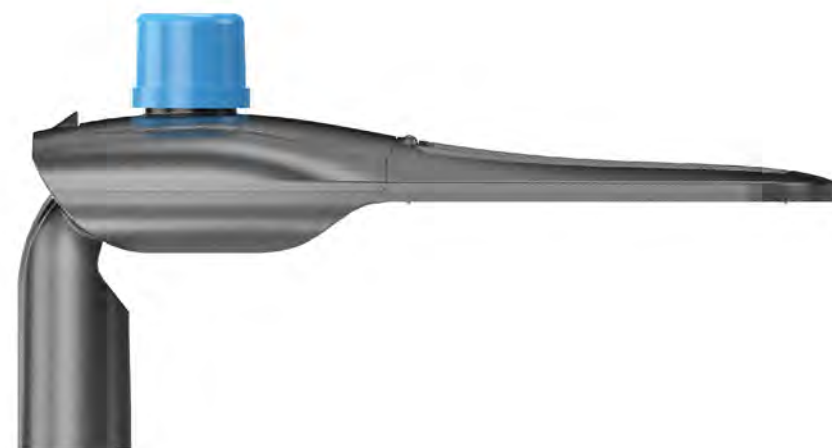
Thermal performance

Heat dissipation, a determining factor for the efficiency of the system, is integrated perfectly in the product design. The physical contact between the light source and the aluminium cover, through channels dedicated to the individual LED lights, guarantees that the transmitted heat is correctly directed. Due to this dissipation of heat, the system is able to keep the LED junction temperature below the limits that guarantee the expected useful life. The luminaire can be used at temperatures up to 50°C.

All projects are different and require specific light levels and distributions. We can provide special and specific optics on our led engine to meet your project needs.

Destination	Distribution	Applications
	 DE-LEDH1 (4000°K) - $\phi = 0^\circ$ ULOR = 0% 0.0 - 180.0 90.0 - 270.0	 Asymmetric Light distribution for roadways with wide distance between two poles. Note: This optic is not dedicated to this application only. It can also be used for other configurations.
	 DE-LEDH1 (4000°K) - $\phi = 0^\circ$ ULOR = 0% 0.0 - 180.0 90.0 - 270.0	 Roadway light distribution for wide streets. Note: This optic is not dedicated to this application only. It can also be used for other configurations.
	 DE-LEDH2 (4000°K) - $\phi = 0^\circ$ ULOR = 0% 0.0 - 180.0 90.0 - 270.0	 The lamps are installed in the asymmetric lighting of low height residential areas. Note: This optic is not dedicated to this application only. It can also be used for other configurations.
	 DE-LEDH1 (4000°K) - $\phi = 0^\circ$ ULOR = 0% 0.0 - 180.0 90.0 - 270.0	 Lighting of bicycle lanes or narrow roads. Circulation track and narrow road. Note: This optic is not dedicated to this application only. It can also be used for other configurations.
	 DE-LEDH1 (4000°K) - $\phi = 0^\circ$ ULOR = 0% 0.0 - 180.0 90.0 - 270.0	 Symmetric light distribution. Note: This optic is not dedicated to this application only. It can also be used for other configurations.
	 DE-LEDH1 (4000°K) - $\phi = 0^\circ$ ULOR = 0% 0.0 - 180.0 90.0 - 270.0	 Symmetric light distribution for catenary luminaire. Note: This optic is not dedicated to this application only. It can also be used for other configurations.
	 DE-LEDH2 (4000°K) - $\phi = 0^\circ$ ULOR = 0% 0.0 - 180.0 90.0 - 270.0	 Wide asymmetric light distribution. Note: This optic is not dedicated to this application only. It can also be used for other configurations.

Detail highlights



Light distribution

Different light distribution lenses are selected according to the different needs of the application site, so as to meet various environmental requirements.



Size

Three different sizes available:
两种不同尺寸可供选择

-892*306*182mm
-1000*350*197mm



Streamlined design

Streamlined design, the shell is not easy to accumulate dust, and has self-cleaning function. Convenient to take care of.



High efficiency LED

With high brightness LED chip, the light output, luminous efficiency and service life all meet the international standard, and the lens is combined to realize the uniform distribution of light.



Design of intelligent controller

There are two control modes: standard mode and sensing mode. The required control mode can be selected according to the installation environment.

1. Standard mode: installing APP can realize local or remote group control, switch and dimming lamps, and can also be used with local scene switch.

2. Induction mode: the light controller is equipped with microwave radar induction function, which can realize induction linkage within the group according to the requirements of illumination.

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.



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多功能且独特

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