

# Outdoor Lighting Catalog

OUTDOOR

*Built to Last. Trusted to Shine.*



*Built to Last. Trusted to Shine.*

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## About Us

Edison Opto, one of the leading LED manufacturing service providers, was founded in New Taipei City, Taiwan and was publicly listed in 2010. For its innovative technology strength, Edison Opto provides comprehensive LED and solid-state lighting products from LED components, light module, UV/IR LED, LED sensing, horticulture, automotive lighting and smart control.

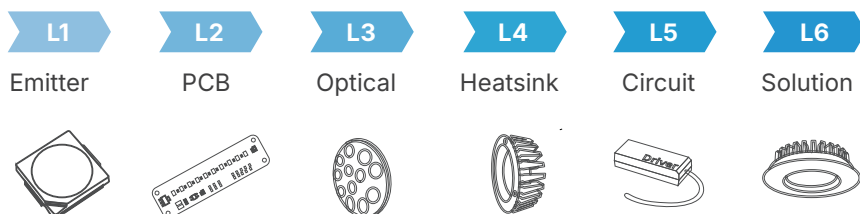
Edison Opto specializes in high-power LEDs, offering a wide range of products from 1W to 300W, including single-chip, multi-chip, high flux, and high CRI solutions to meet various industry needs. We have nearly 25 years of experience in LED technology. Known for innovation, reliability, and customer focus, Edison Opto provides customized OEM/ODM LED total solutions for clients worldwide.





At the core of our values is LDMS (Lighting Design & Manufacturing Service) — a full-spectrum solution in LED design and global-scale manufacturing. With a powerful and flexible production and distribution network, along with strong supplier alliances, LDMS enables us to offer some of the most competitive, agile, and scalable services in the industry.

We are driven by a commitment to innovation, sustainability, and impact. Our next-generation LED technologies are designed not only for efficiency but also to support ESG values. At Edison Opto, we believe in lighting the way forward — through technology, through partnerships, and through purpose.



**LED  
Total  
Solutions**



## Global Presence

Our global network spans across key markets and regions, enabling us to deliver consistent value, innovation, and support to partners and clients worldwide. With strategic hubs in major cities, we are positioned to respond to local needs while leveraging global insights—ensuring agility, connectivity, and sustained growth in an ever-evolving market landscape.



Taipei Headquarters



Taipei Factory



Yangzhou Factory



Dong Guan Factory



USA Office

## Group Milestone

**2001**

Edison Opto  
Established

**2006**

Dong Guan Factory  
Established

**2009**

Yangzhou Factory  
Established

**2011**

Announced  
LDMS concept

**2005**

ISO 9001 & ISO 14001 Approved  
RoHS Compliance

**2010**

Approved  
TWSE 3591

**2012**

UL  
Approved

## Certificate

Edison Opto is committed to delivering LED products that meet the highest standards of quality and safety.

We operate under certified ISO quality management systems and comply with major international safety regulations.

Our certifications demonstrate our pursuit of product excellence, manufacturing consistency, and customer satisfaction across diverse applications and global markets.



ISO 9001



ISO 14001



IATF 16949





# 2013

Edison Opto USA  
Established

# 2015

Yangzhou Phase II  
Factory Launch  
YZ Edison-Litek  
Founded

# 2017

Edison-Litek  
Established

# 2022

Global Operations  
Headquarters

# 2015

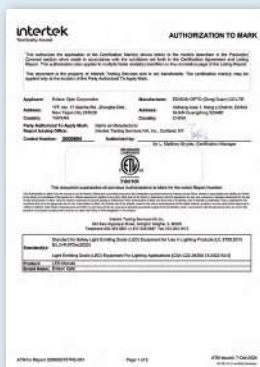
TS16949  
Approved

# 2018

IATF16949  
Approved

# 2020

Taipei Edison-Litek Factory  
Established



## LED Production

Our manufacturing facilities are designed to support high-efficiency, high-reliability LED production. Each production step — including die attach, molding, and dispensing — is carried out under strict process control and quality assurance systems. We are capable of producing a wide range of high-power and specialty LED components, supported by in-house reliability and color consistency testing.







## Luminaire Assembly

Edison Opto specializes in the assembly of LED outdoor lighting, leveraging cutting-edge equipment and advanced manufacturing techniques to ensure both high efficiency and consistent quality. We prioritize streamlined production management to optimize workflows and shorten lead times, enabling us to respond promptly to customer demands.

Our highly trained workforce is dedicated to precision and excellence, adhering to strict standards at every stage of assembly process. All procedures are fully traceable, providing transparency and accountability that guarantee the reliability of each product.

We implement predictive materials management to secure timely availability of components, allowing us to fulfill customer orders quickly without compromising quality. Rigorous quality assurance at every step further reinforce our commitment to delivering durable, high-performance outdoor lighting solutions.

Through continuous improvement and a focus on customer satisfaction, Edison Opto has become a trusted partner for outdoor lighting projects that demand quality, efficiency, and sustainability.





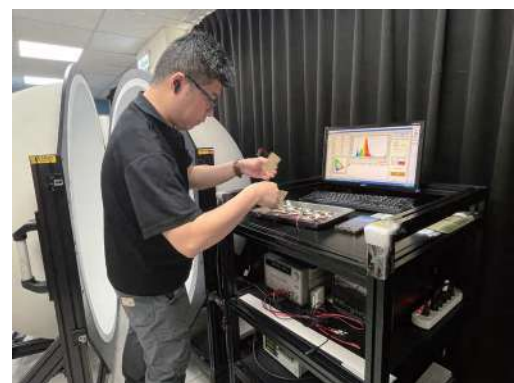
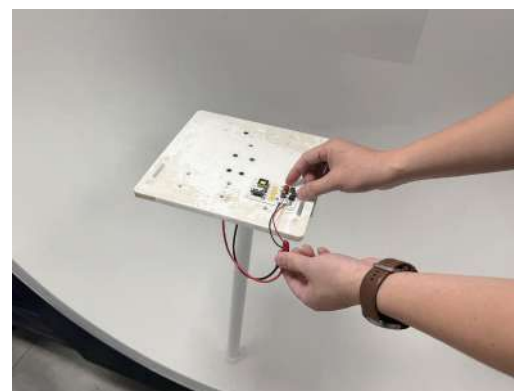


# Quality Control

We implement a comprehensive and strict quality control system throughout the entire production process — from raw material inspection to final product validation. Each LED undergoes multiple quality assurance stages, including:

- **IQC**—Verifying the specifications, reliability, and consistency of all critical components before production.
- **In-Process Quality Control (IPQC)**—Monitoring each key manufacturing stage to ensure assembly accuracy and process stability.
- **Aging and Reliability Tests**—Conducting long-duration stress tests under elevated temperature and voltage to ensure long-term product stability.
- **Final Quality Assurance (FQA)**—Verifies that all finished products meet internal quality standards before moving to shipment preparation, ensuring reliability and consistency.
- **Outgoing Quality Control (OQC)**—Ensures all products meet customer standards before shipment, serving as the final checkpoint to secure quality and minimize defects.

Through the combination of rigorous inspections, strict testing, and international certification compliance, we ensure that every LED product delivers superior performance, outstanding durability, and the highest reliability in the global market.









## Reliability Test

To ensure consistent quality and long-term durability, all Edison Opto products undergo rigorous reliability testing designed to meet the demands of high-performance environments. From thermal cycling, humidity exposure, high-temperature storage and life aging tests, we validate the endurance of our LEDs before they reach the market.



Temperature and Humidity chamber Test



IPX5/IPX6 Rain Test



Salt Spray Test



Drop Test



Vibration Test



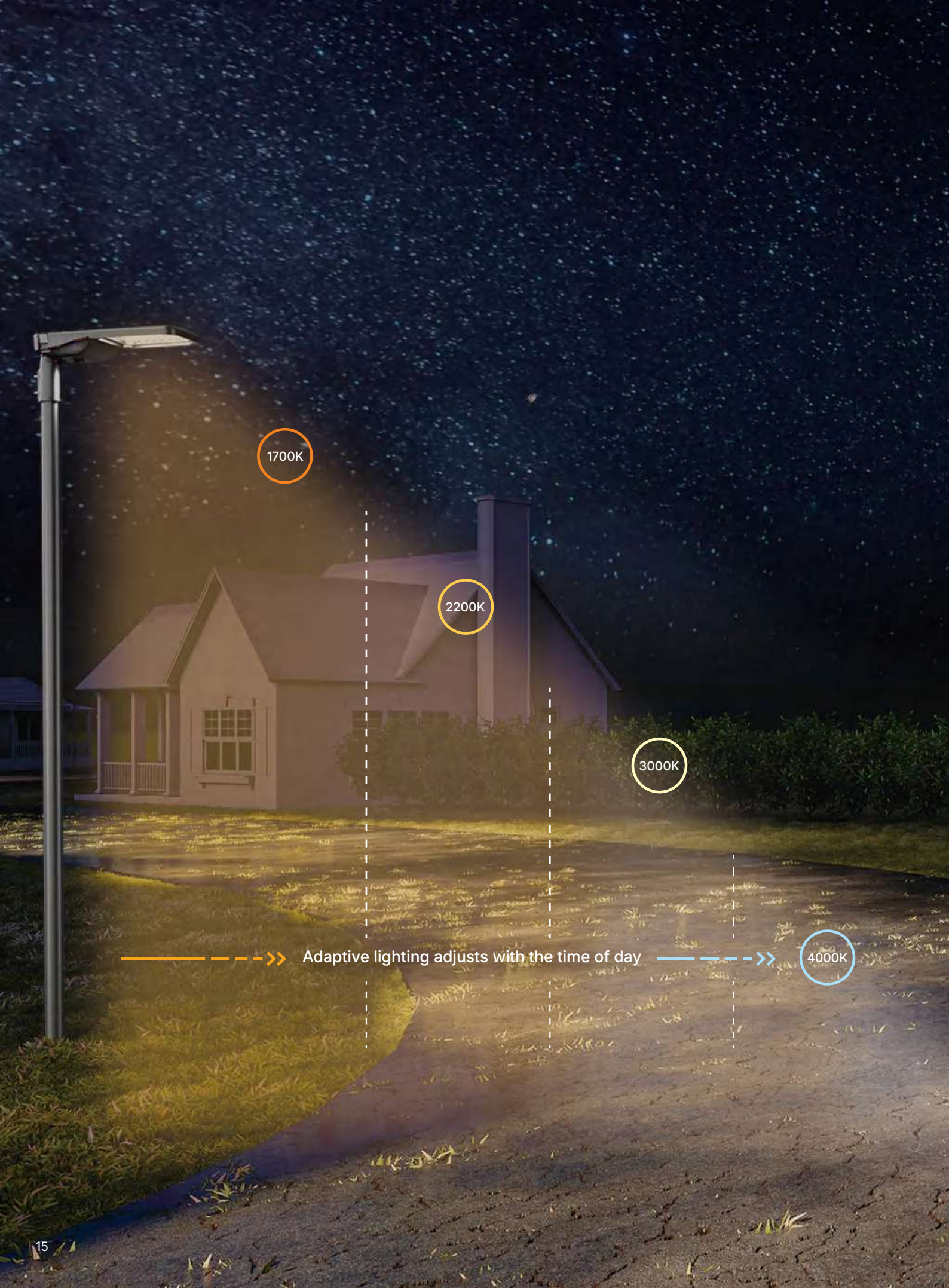
Thermal Cycle Test



## Comprehensive Test Items

ITEM	Name	Model	Machine Number	Experimental type
1	IES photometric curve testing equipment	GO-2000H+HAAS-2000	***	Light distribution test
2	Windproof box	1002	***	thermal test
3	Multi channel life tester	FD116 5A	PM043	ON/OFF testing
4	85/85 experimental machine	TOH-1500EXS	CB094	Temperature and humidity verification
5	TC test machine	TOT-336GXS	CB095	Temperature shock verification
6	Surge tester	SUG 61005TAX-CK	PM061	Electrical verification
7	Salt spray test chamber	HMY -1300PT	CB096	Material corrosion verification
8	Leakage tester	CS55505D	PM042	Electrical verification
9	Freezer	DW-FW270	FR05	Temperature resistance verification
10	IPX5/IPX6 Rain testing machine	IPX6&IPX5	CB0978	Waterproof verification
11	Withstanding voltage tester	chroma 19073	PM055	Electrical verification
12	Ground Resistance Tester	TH9403	PM056	Electrical verification
13	Insulation tester	ZC7122D	PM054	Electrical verification
14	Computer based insertion and extraction force testing machine	ASTTXL200	***	Plug and unplug verification
15	Battery charging and discharging testing machine	CE-6004n-60V20A-H	PM072	Battery verification
16	Battery internal resistance tester	AT527A	TM074	Battery verification
17	Vibration testing machine	DC-1000-15S	***	Structural strength verification





1700K

2200K

3000K

4000K

Adaptive lighting adjusts with the time of day



# Natural Intelligence

Rhythm lighting street lamps achieve dynamic color temperature and brightness adjustment by simulating changes in natural light environment. Its core advantages lie in:

- **Biological rhythm adaptation:**

Adopting 1900K-4000K adjustable color temperature technology, providing high color temperature white light during the day to enhance alertness, and switching to warm yellow light at night to reduce melatonin inhibition, ensuring the normal physiological cycle of humans and surrounding animals (such as birds and insects).

- **Eco friendly design:**

By using an intelligent light control system to precisely limit the light distribution angle and avoid the spread of light pollution, the lighting range is strictly limited to the road area, protecting the photosynthetic rhythm of surrounding plants and the habitat environment of wild animals foraging at night.

- **Energy saving and carbon reduction benefits:**

Combined with light sensing and microwave induction technology, the basic brightness is automatically adjusted to 30% during unmanned vehicle periods, saving more than 60% energy compared to traditional street lamps. The average annual reduction of carbon dioxide emissions from a single lamp is about 150kg, equivalent to the carbon sequestration effect of planting 8 square meters of forest.

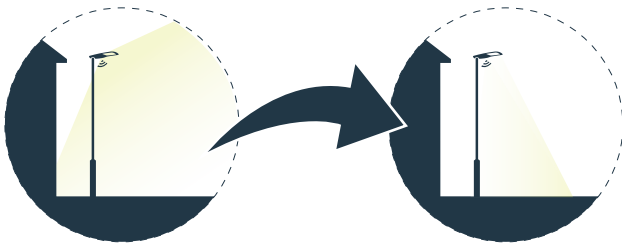


## Timed control:

Set a special lighting schedule during peak periods of biological activity, such as bird migration season and insect breeding season.

## Motion sensor:

When there is no one or vehicle, the light fixture maintains the lowest brightness (even turned off); When activity is detected, it lights up to the safe lighting level.



## Dark Sky

With a unique optical design, the light is precisely directed downward with zero upward spill, effectively protecting the night sky from light pollution.

## Smart Anti-Interference:

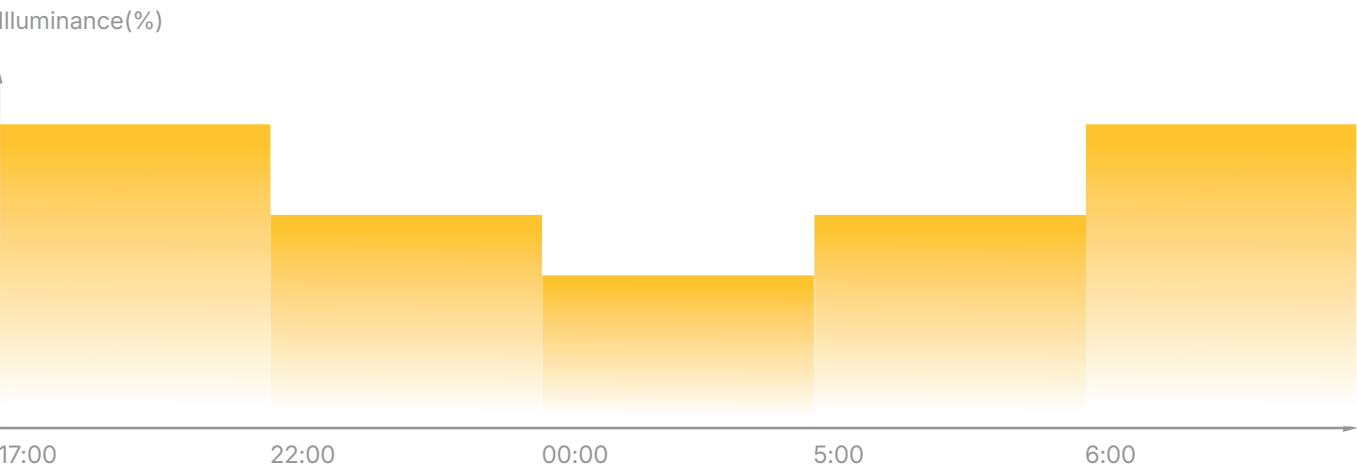
The ultrasonic radar accurately distinguishes between human and animal movement patterns, ensuring stable lighting activation even in extreme weather such as heavy rain. With intelligent recognition, it effectively filters out false triggers caused by wind, rain, or animals, delivering a truly all-weather, interference-free intelligent response.





# Harmony in Light

Our intelligent street lighting system creates true Harmony in Light. By dynamically adjusting both power output and color temperature in real time, we optimize the lighting environment for human well-being while minimizing ecological disruption. Our solutions support healthy circadian rhythms with customizable light that shifts throughout the night, balancing convenience for people with a commitment to protecting the natural environment.



# LED Street Light



### **SL Series**

- 20W-300W
- Up to 180lm/W
- Tempered glass
- Tool free maintenance
- IP66,IK09,IK10



### **SF Series**

- 20W-100W
- Up to 200lm/W
- Tempered glass or Anti-UV PC optics
- High cost-effective
- IP66,IK09



### **SU Series**

- 20W-120W
- Up to 180lm/W
- Tempered glass
- Detachable structure
- IP66,IK10



### **SG Series**

- 20W-120W
- Up to 180lm/W
- Tempered glass
- IP66,IK09



### **SP Series**

- 20W-200W
  - Up to 200lm/W
  - Anti-UV PC optics
  - High cost-effective
  - IP66,IK08
-





Up to  
180 lm / W



# SL Series

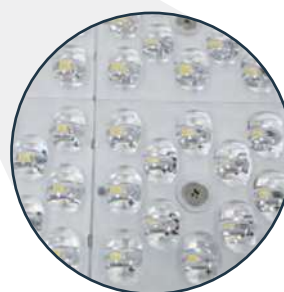
For high-performance street lighting that adapts to your needs, choose the SL Series. This flexible and durable series boasts high impact resistance (IK10), advanced heat dissipation management, and comprehensive certifications. The SL Series is the ideal LED street lighting solution for a wide range of projects.





## Photometric Flexibility

Adapt lighting on demand — on-site replaceable optics enable quick adjustments for different road types or project changes minimizing costs, reducing downtime, and maximizing service life.



## Streamlined Aesthetics

Revolutionary finless design eliminates bulky fins, combining modern aesthetics with efficient heat management.

## Electric Disconnect

For maximum safety, the power supply is immediately and automatically disconnected when the electronic compartment is opened.

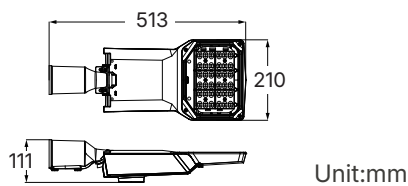


## Effortless Maintenance

Tool-free access and an ergonomic opening design streamline maintenance, enabling faster and safer operation.

# Key characteristic

## SL1



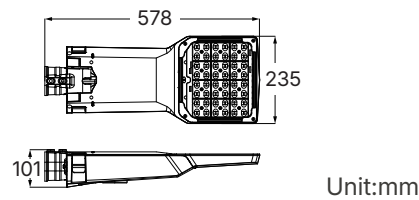
### Technical data

Luminous flux : 12,600 lm  
Power : 70W(Max)  
Luminous efficacy : 165lm/W(up to 180lm/W) @4000K  
Mounting height : 3-8m

### Recommended applications

- 1
- 2
- 3

## SL2



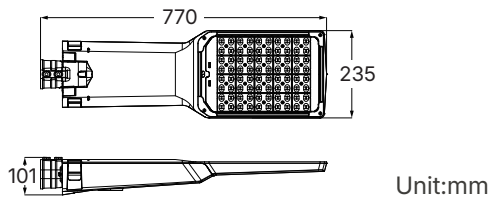
### Technical data

Luminous flux : 21,600 lm  
Power : 120W(Max)  
Luminous efficacy : 165lm/W(up to 180lm/W) @4000K  
Mounting height : 8-12m

### Recommended applications

- 1
- 2
- 3
- 4

## SL4



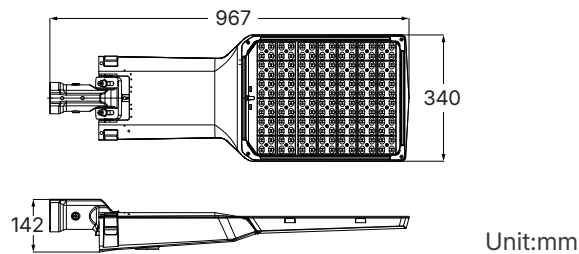
### Technical data

Luminous flux : 36,000 lm  
Power : 200W(Max)  
Luminous efficacy : 165lm/W(up to 180lm/W) @4000K  
Mounting height : 10-12m

### Recommended applications

- 1
- 2
- 3
- 4
- 5

## SL6



### Technical data

Luminous flux : 54,000 lm  
Power : 300W(Max)  
Luminous efficacy : 165lm/W(up to 180lm/W) @4000K  
Mounting height : 12-15m

### Recommended applications

- 1
- 2
- 3
- 4
- 5



## Accessories



### Intelligent Interface

NEMA3 | NEMA5  
NEMA7 | ZHAGA



### Types of cable

2m/3m/4m/5m x 1.0mm<sup>2</sup>  
2m/3m/4m/5m x 1.5mm<sup>2</sup>



### Cable length

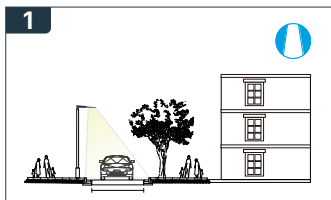
0.3m | 1m | 5m  
or customizable



### Mast flange

Ø 42 mm | Ø 48 mm  
Ø 51 mm | Ø 60 mm  
Ø 76 mm

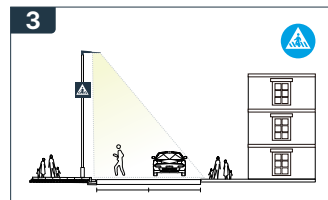
## Recommended applications



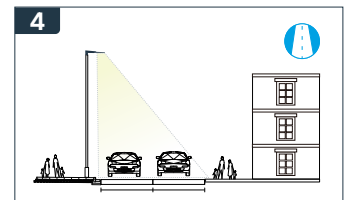
For narrow roads



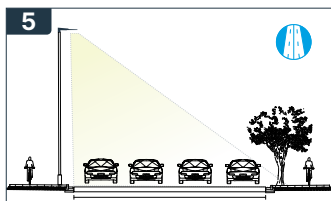
For pedestrian pathways



For crosswalks left/right

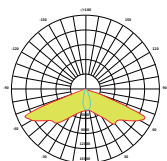


For standard/wide roads

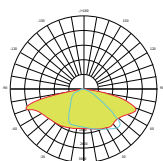


For roads with high mounting heights

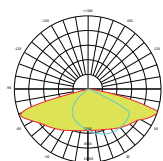
## Light distributions



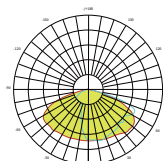
Type I



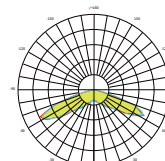
Type II



Type III



Type IV



Type V

## General specifications

### Rated life

Luminous maintenance : 100,000 hours at L80

### Protection class

Protection : IP66 & IK09/IK10  
Protection class : Class I or Class II  
Surge Protection : 10KV/20KV

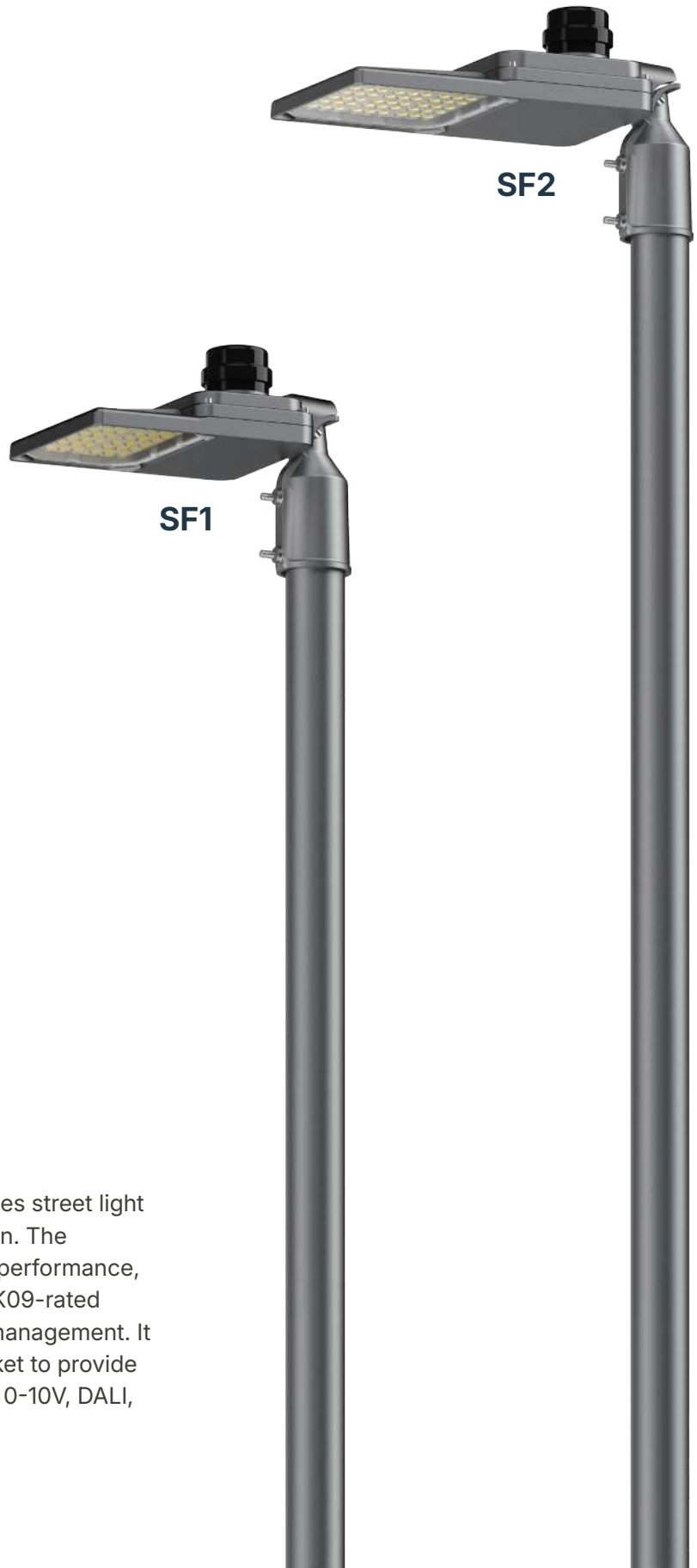
### Light colors

1,800 K / 2,700 K / 3,000 K / 4,000 K / 5,700 K / 6,500K  
CRI : > 70 / 80

### Mounting

Standard Spigot 60 / 48mm included  
Tilt options post-top : -15° ... +15° / side-entry: -15°... +15°





# SF Series

The SF Series is a high performance series street light that delivers ultra-flexible lighting solution. The luminaire is engineered for long-lasting performance, with high-pressure die-cast aluminum, IK09-rated tempered glass and superior heat-sink management. It is equipped with ZHAGA and NEMA socket to provide numerous control options, available with 0-10V, DALI, or custom dimming profile.

## Cost-Effective Construction

Its compact and lightweight construction makes the SF-Series easy to install and maintain, ensuring long-term cost savings and dependable operation.



## Advanced Thermal Management

Engineered with an advanced thermal management system, the SF-series delivers consistent performance and maximizes product longevity.

**Tempered glass**



**Up to  
200 lm / W**

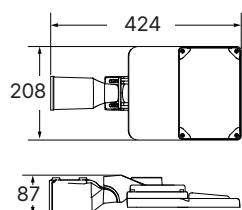
**PC lens**

## **Versatile Optics**

Select from robust glass or integrated PC lenses-delivering luminous efficacy of up to 200lm/W, while customizing light distribution to perfectly fit the application.

## Key characteristic

### SF1



#### Technical data

Luminous flux : 10,000lm

Power : 50W(Max)

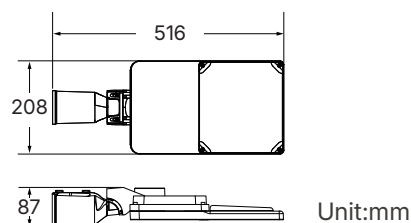
Luminous efficacy : 165lm/W(up to 200lm/W) @4000K

Mounting height : 4-6m

#### Recommended applications

1 2 3

### SF2



#### Technical data

Luminous flux : 20,000lm

Power :100W(Max)

Luminous efficacy : 165lm/W(up to 200lm/W) @4000K

Mounting height : 8-10m

#### Recommended applications

1 2 3 4

## Accessories



### Intelligent Interface

NEMA3 | NEMA5  
NEMA7 | ZHAGA



### Types of cable

2m/3m/4m/5mx1.0mm<sup>2</sup>  
2m/3m/4m/5mx1.5mm<sup>2</sup>



### Cable length

0.3m | 1m | 5m  
or customizable



### Mast flange

Ø 42 mm | Ø 60 mm  
Ø 76 mm

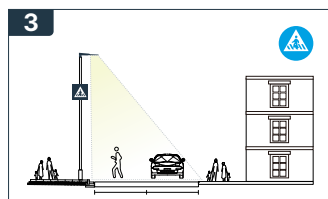
## Recommended applications



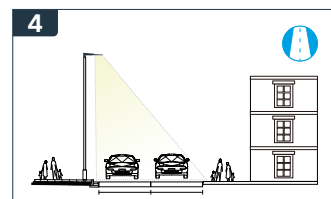
For narrow roads



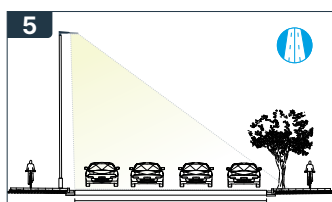
For pedestrian pathways



For crosswalks left/right

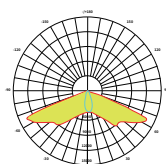


For standard/wide roads

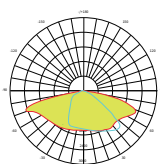


For roads with high mounting heights

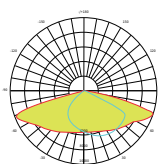
## Light distributions



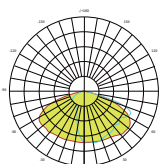
Type I



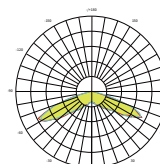
Type II



Type III



Type IV



Type V

## General specifications

### Rated life

Luminous maintenance : 100,000 hours at L80

### Protection class

Protection : IP66 & IK09

Protection class : Class I or Class II

Surge Protection : 10KV/20KV

### Light colors

1,800 K / 2,700 K / 3,000 K / 4,000 K / 5,700 K / 6,500K

CRI : > 70 / 80

### Mounting

Standard Spigot 60 / 48mm included

Tilt options post-top : -15° ... +15° / side-entry: -15°... +15°









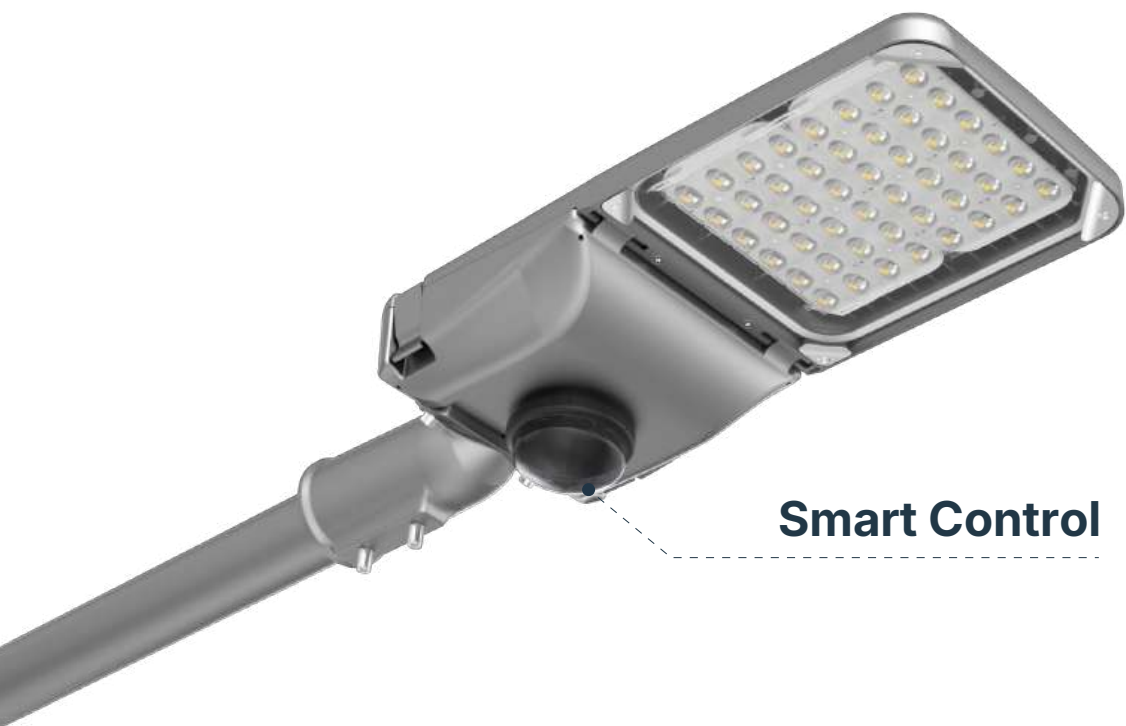
SU2

SU1



## SU Series

Experience unmatched ease of maintenance with the SU Series LED Streetlight. Its innovative design features tool-free detachment of the LED module and driver compartment, enabling fast and simple replacements. Engineered for long life and reliability, the SU Series boasts durable construction (IK10) and superior heat dissipation. NEMA/ZHAGA compatibility ensures versatile control options. Fully CE/ENEC/ENEC+ certified. The SU Series is the ideal choice for efficient outdoor lighting with effortless upkeep.



## Smart Control



## Smart Control

Engineered for versatility, the system supports ANSI standard ,such as NEMA sockets as well as zhaga Interfaces - offering seamless Integration with dimmable photocells and advanced smart lighting solution.Fiexible one-or-two-channel dimming protocols ensure adaptability for future needs.



## Modern Smooth Performance

Engineered with a smooth, modern profile that resists dust and moisture accumulation—ensuring a clean appearance, reliable operation, and longer service life.

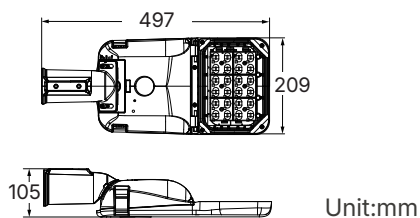
## Smart & Quick Maintenance

The detachable electrical compartment with an independent cavity allows direct replacement, minimizing downtime, reducing maintenance costs, and extending product value.



## Key characteristic

### SU1



#### Technical data

Luminous flux : from 12,600 lm

Power : 70W(Max)

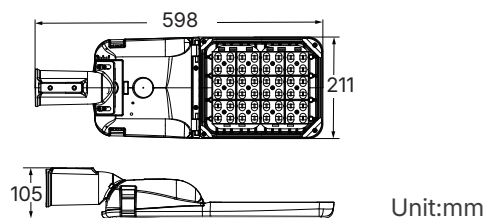
Luminous efficacy : 165lm/W(up to 180lm/W) @4000K

Mounting height : 3-8m

#### Recommended applications

1 2 3

### SU2



#### Technical data

Luminous flux : 21,600 lm

Power : 120W(Max)

Luminous efficacy :165lm/W(up to 180lm/W) @4000K

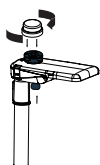
Mounting height : 8-10m

#### Recommended applications

1 2 3 4



## Accessories



### Intelligent Interface

NEMA3 | NEMA5  
NEMA7 | ZHAGA



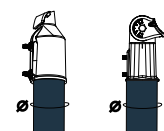
### Types of cable

2m/3m/4m/5mx1.0mm<sup>2</sup>  
2m/3m/4m/5mx1.5mm<sup>2</sup>



### Cable length

0.3m | 1m | 5m  
or customizable



### Mast flange

Ø 42 mm | Ø 60 mm  
Ø 76 mm

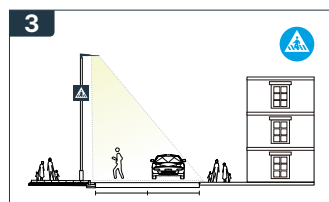
## Recommended applications



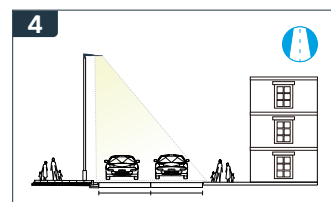
For narrow roads



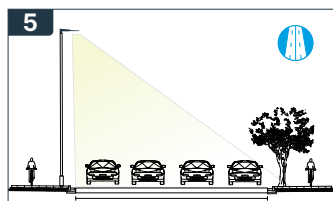
For pedestrian pathways



For crosswalks left/right

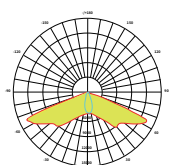


For standard/wide roads

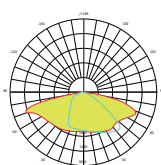


For roads with high mounting heights

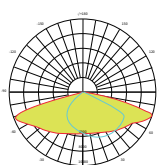
## Light distributions



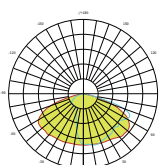
Type I



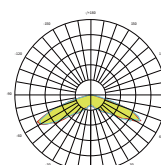
Type II



Type III



Type IV



Type V

## General specifications

### Rated life

Luminous maintenance : 100,000 hours at L80

### Protection class

Protection : IP66 & IK10

Protection class : Class I or Class II

Surge Protection : 10KV/20KV

### Light colors

1,800 K / 2,700 K / 3,000 K / 4,000 K / 5,700 K / 6,500K

CRI : > 70 / 80

### Mounting

Standard Spigot 60 / 48mm included

Tilt options post-top : -15° ... +15° / side-entry: -15°... +15°  
or post-top : -20° ... +20° / side-entry: -15°... +20°



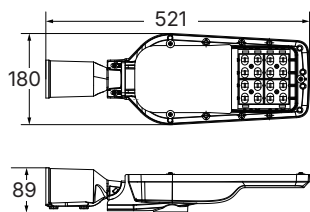


# SG Series

The SG Series delivers high-performance street lighting with customizable flexibility for both narrow to standard roads. Its integrated ADC12 aluminum die-cast housing provides excellent heat dissipation and long-lasting durability. IK09-rated tempered glass and IP66 waterproofing ensure reliable performance in demand environments.

## Key characteristic

### SG1



Unit:mm

#### Technical data

Luminous flux : 10,800 lm

Power : 60W(Max)

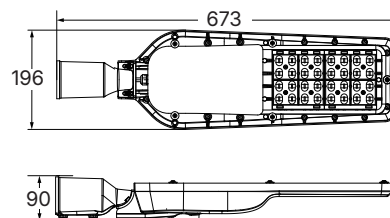
Luminous efficacy : 160lm/W(up to 180lm/W) @4000K

Mounting height : 3-8m

#### Recommended applications

1 2 3

### SG2



Unit:mm

#### Technical data

Luminous flux : 21,600 lm

Power : 120W(Max)

Luminous efficacy : 160lm/W(up to 180lm/W) @4000K

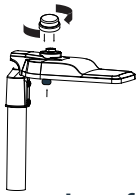
Mounting height : 8-10m

#### Recommended applications

1 2 3 4



## Accessories



**Intelligent Interface**

NEMA3 | NEMA5  
NEMA7 | ZHAGA



**Types of cable**

2m/3m/4m/5m x 1.0mm<sup>2</sup>  
2m/3m/4m/5m x 1.5mm<sup>2</sup>



**Cable length**

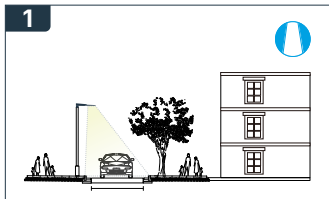
0.3m | 1m | 5m  
or customizable



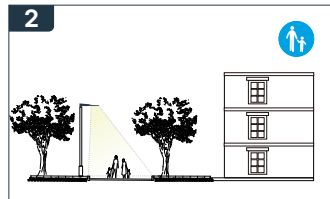
**Mast flange**

Ø 42 mm | Ø 60 mm  
Ø 76 mm

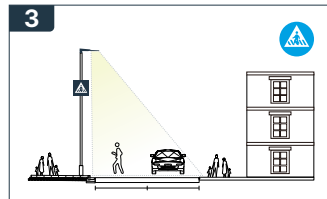
## Recommended applications



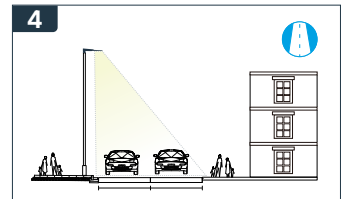
For narrow roads



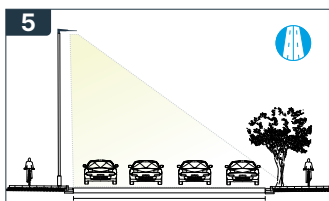
For pedestrian pathways



For crosswalks left/right

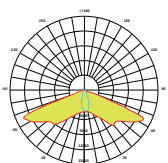


For standard/wide roads

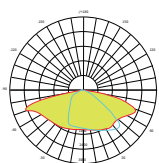


For roads with high mounting heights

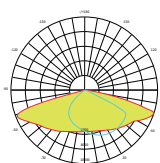
## Light distributions



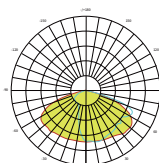
Type I



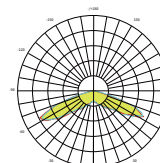
Type II



Type III



Type IV



Type V

## General specifications

### Rated life

Luminous maintenance : 100,000 hours at L80

### Protection class

Protection : IP66 & IK09

Protection class : Class I or Class II

Surge Protection : 10KV/20KV

### Light colors

1,800 K / 2,700 K / 3,000 K / 4,000 K / 5,700 K / 6,500K

CRI : > 70 / 80

### Mounting

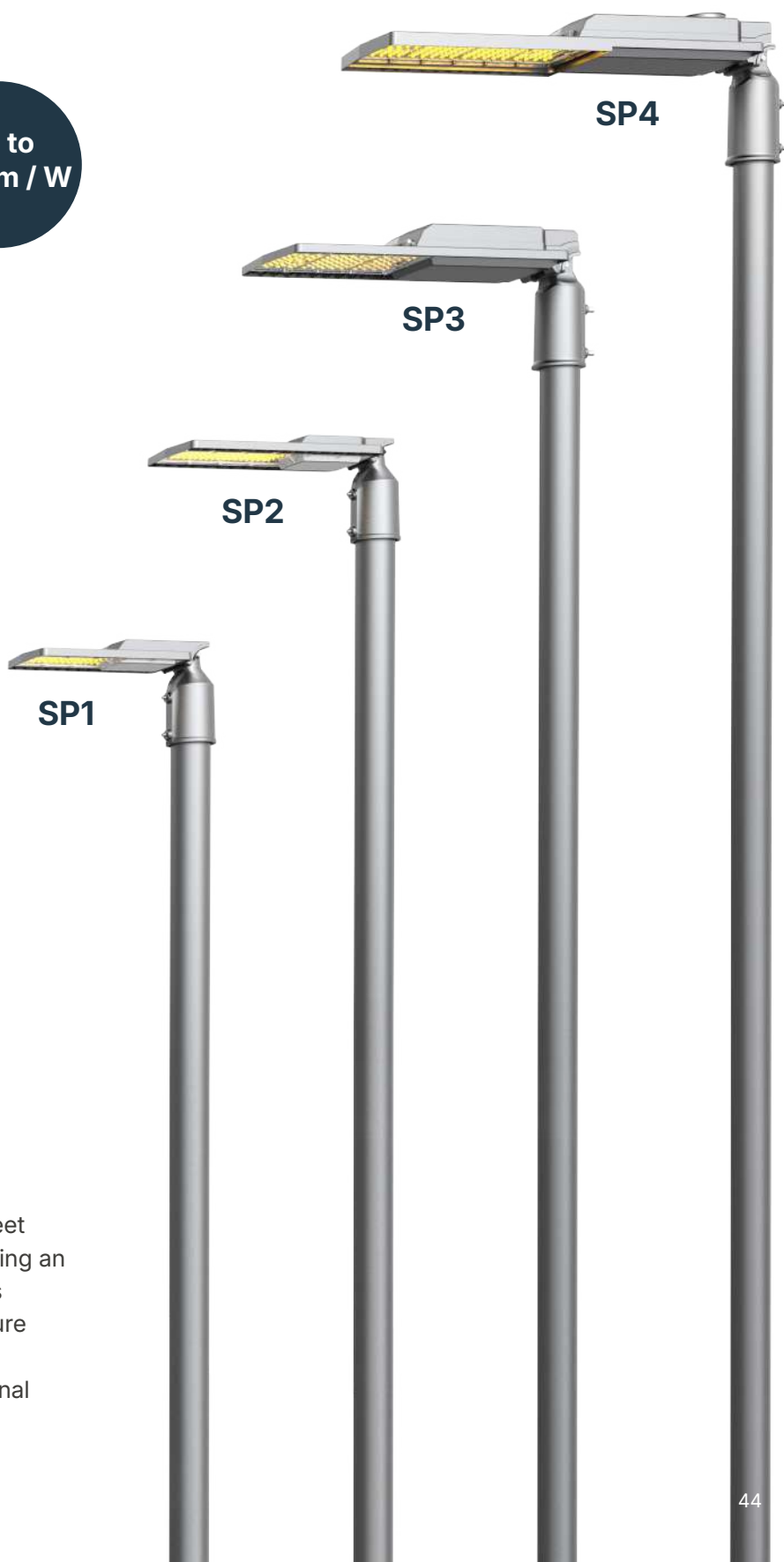
Standard Spigot 60 / 48mm included

Tilt options post-top : -15° ... +15° / side-entry: -15°... +15°





Up to  
200 lm / W

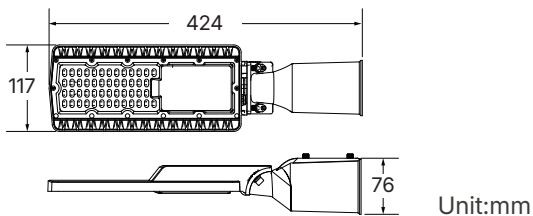


# SP Series

The SP Series is an energy-efficient LED street light designed for broad applications, delivering an optimal balance of performance and cost. Its advanced heat sink and optical designs ensure long-lasting performance, even in diverse environments. The SP Series offers exceptional value without compromising reliability.

## Key characteristic

### SP1



#### Technical data

Luminous flux : from 8,000 lm

Power : 40W(Max)

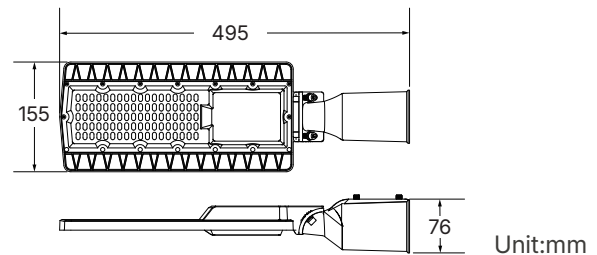
Luminous efficacy : 180lm/W(up to 200lm/W) @4000K

Mounting height : 3-5m

#### Recommended applications

1 2

### SP2



#### Technical data

Luminous flux : from 12,000 lm

Power : 60W(Max)

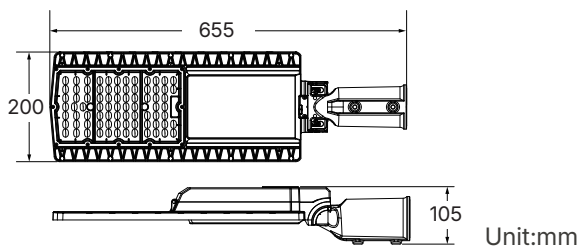
Luminous efficacy : 180lm/W(up to 200lm/W) @4000K

Mounting height : 4-6m

#### Recommended applications

1 2

### SP3



#### Technical data

Luminous flux : 24,000 lm

Power : 120W(Max)

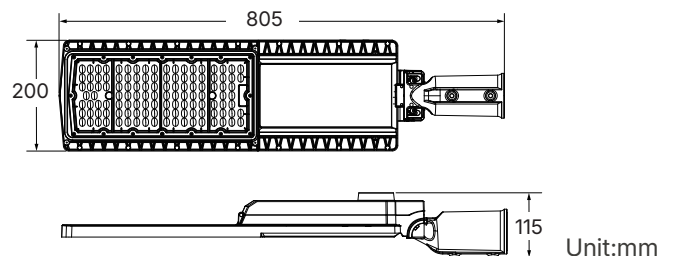
Luminous efficacy : 180lm/W(up to 200lm/W) @4000K

Mounting height : 6-10m

#### Recommended applications

1 2 4

### SP4



#### Technical data

Luminous flux : 40,000 lm

Power : 200W(Max)

Luminous efficacy : 180lm/W(up to 200lm/W) @4000K

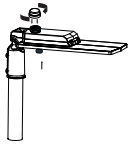
Mounting height : 10-12m

#### Recommended applications

1 2 4 5



## Accessories



### Intelligent Interface

NEMA3 | NEMA5  
NEMA7 | ZHAGA



### Types of cable

2m/3m/4m/5mx1.0mm<sup>2</sup>  
2m/3m/4m/5mx1.5mm<sup>2</sup>



### Cable length

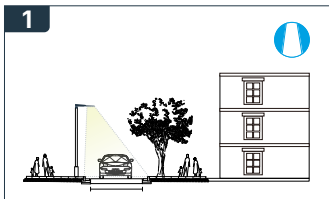
0.3m | 1m | 5m  
or customizable



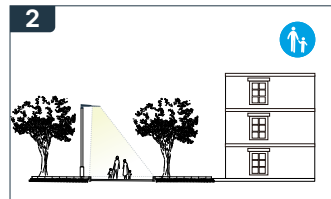
### Mast flange

Ø 42 mm | Ø 60 mm  
Ø 76 mm

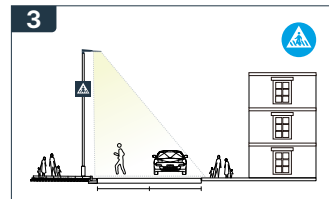
## Recommended applications



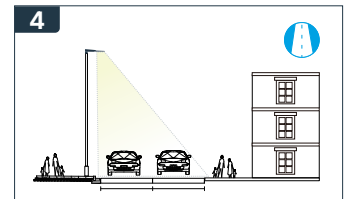
For narrow roads



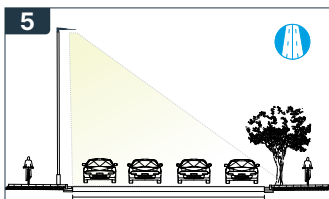
For pedestrian pathways



For crosswalks left/right

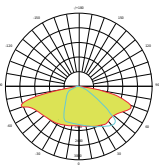


For standard/wide roads



For roads with high mounting heights

## Light distributions



Type II

## General specifications

### Rated life

Luminous maintenance : 100,000 hours at L80

### Protection class

Protection : IP66 & IK08

Protection class : Class I or Class II

Surge Protection : 10KV/20KV

### Light colors

1,800 K / 2,700 K / 3,000 K / 4,000 K / 5,700 K / 6,500K

CRI : > 70 / 80

### Mounting

Standard Spigot 60 / 48mm included

Tilt options post-top : -15° ... +15° / side-entry: -15°... +15°

# LED Floodlight



## FL Series

- 50W-200W
- Up to 180lm/W
- Tempered glass
- Tool free maintenance
- IP66,IK08



## FR Series

- 20W-100W
- Up to 180lm/W
- Tempered glass
- IP66,IK08



## FH Series

- 250W-1000W
- Up to 180lm/W
- IP66,IK08



## FU Series

- 500W-1500W
  - Up to 180lm/W
  - IP66,IK09
-



**FL2**

**FL4**

## FL Series

The FL Series LED floodlight delivers highly efficient and reliable performance, with flexible options for optics, power, dimming control, accessories, and mounting. Engineered with IK09 and IP66 protection for long-term reliability, the FL Series also features tempered glass for easy maintenance and cleaning. For enhanced control and adaptability, the FL Series can be optionally equipped with a NEMA or Zhaga socket, enabling seamless integration with a wide range of connected lighting systems.





## Photometric Flexibility

Various optics are available for SMD 5050, and replaceable options that can be changed on-site.

## Versatile Mounting Option

Various accessories provide versatile mounting options

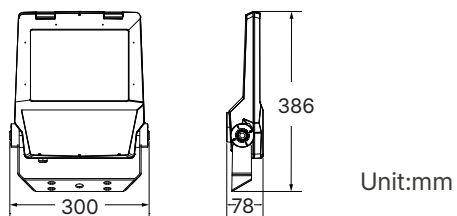
## Finless Surface Design

A sleek, finless surface design revolutionizes heat management without the need for traditional fins.



## Key characteristic

### FL2



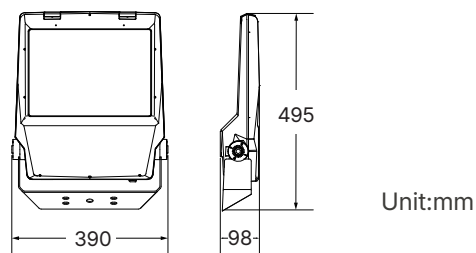
#### Technical data

Luminous flux : 18,000 lm

Power : 100W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K

### FL4



#### Technical data

Luminous flux : 36,000 lm

Power : 200W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K

## Accessories



### Cable length

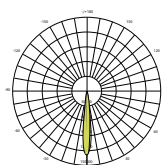
0.3m | 1m | 5m  
or customizable



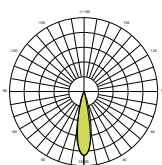
### Mast flange

Ø 60 mm

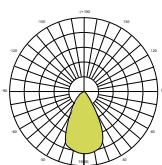
## Light distributions



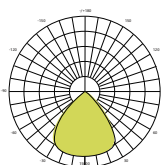
13°



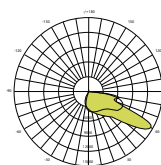
30°



60°



90°



Asymmetric

## General specifications

### Rated life

Luminous maintenance : 100,000 hours at L80

### Protection class

Protection : IP66 & IK09

Protection class : Class I

Surge Protection : 10KV/20KV

### Light colors

1,800 K / 2,700 K / 3,000 K / 4,000 K / 5,700 K / 6,500K

CRI : > 70 / 80

### Mounting

Standard Spigot 60mm included



**FR1**



**FR2**

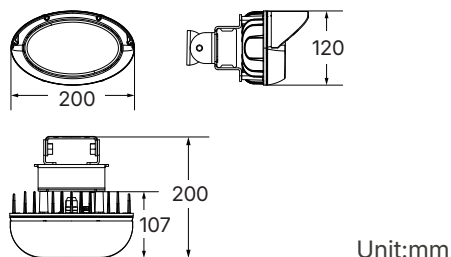
## FR Series

The compact FR Series delivers robust and reliable lighting for challenging environments. Featuring IP66/IK08 protection and a 60° / 150° beam angle, the FR Series is engineered with high corrosion resistance (C5M) making it ideal for demanding port, terminal, and shipboard applications.



## Key characteristic

### FR1



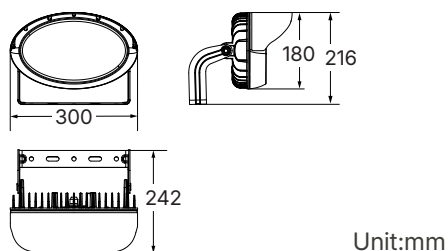
#### Technical data

Luminous flux : 8,000 lm

Power : 50W(Max)

Luminous efficacy : 160lm/W(up to 180lm/W) @4000K

### FR2



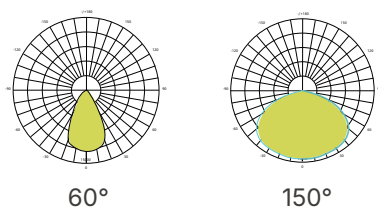
#### Technical data

Luminous flux : 18,000 lm

Power : 100W(Max)

Luminous efficacy : 160lm/W(up to 180lm/W) @4000K

## Light distributions



## General specifications

#### Rated life

Luminous maintenance : 100,000 hours at L80

#### Protection class

Protection : IP66 & IK08

Protection class : Class I

Surge Protection : 10KV/20KV

#### Light colors

1,800 K / 2,700 K / 3,000 K / 4,000 K / 5,700 K / 6,500K

CRI : > 70 / 80



## FH Series

The FH Series floodlight features a modular design, making it ideally suited for a wide range of applications, including sports, construction, and area lighting. Its robust mechanical structure and long service life ensure lasting performance, while its high efficiency and optimized optical design deliver significant energy savings.



## Flexibility

Modular design, easy on-site assembly, 250W to 1500W

## Efficiency

High efficiency up to 180lm/W

## Reliability

Superior heat management, lifespan up to 100,000 hours

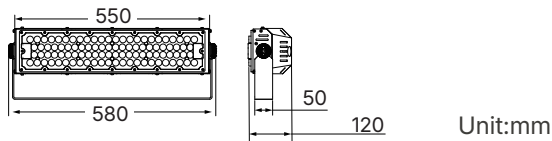
## Smart

Multiple dimming control options



## Key characteristic

### FH1



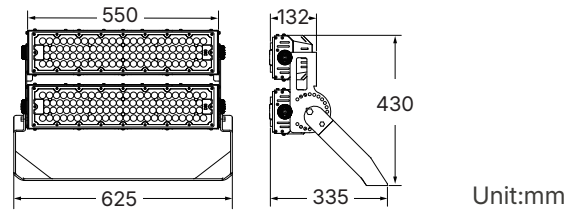
#### Technical data

Luminous flux : 45,000 lm

Power : 250W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K

### FH2



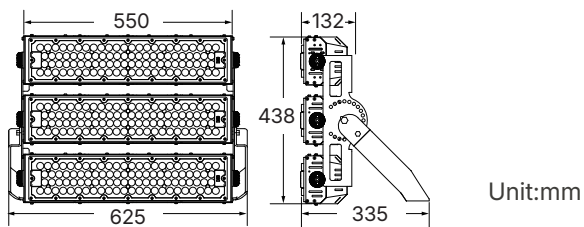
#### Technical data

Luminous flux : 90,000 lm

Power : 500W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K

### FH3



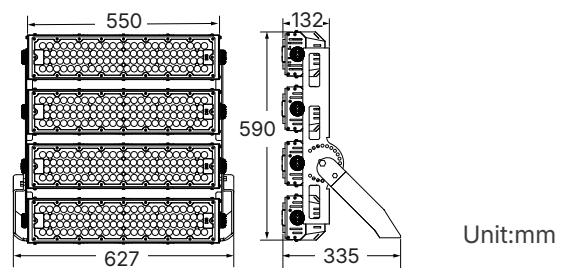
#### Technical data

Luminous flux : 13,500 lm

Power : 750W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K

### FH4



#### Technical data

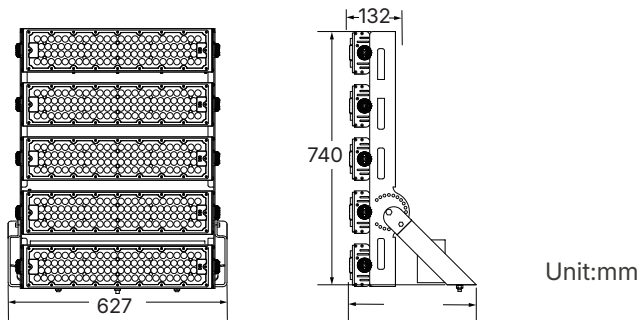
Luminous flux : 18,000 lm

Power : 1000W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K



# FH5



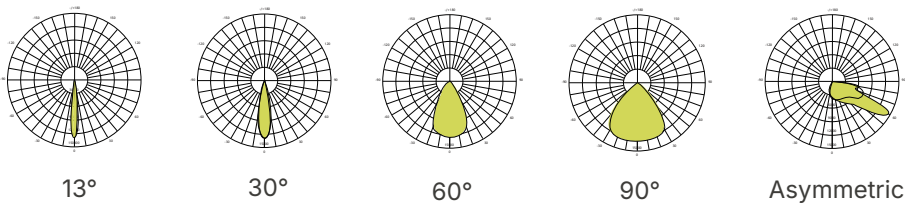
## Technical data

Luminous flux : from 270,000 lm

Power : 1500W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K

## Light distributions



## General specifications

### Rated life

Luminous maintenance : 100,000 hours at L80

### Light colors

1,800 K / 2,700 K / 3,000 K / 4,000 K / 5,700 K / 6,500K  
CRI : > 70 / 80

### Protection class

Protection : IP66 & IK08

Protection class : Class I

Surge Protection : 10KV/20KV





**FU1**



**FU2**



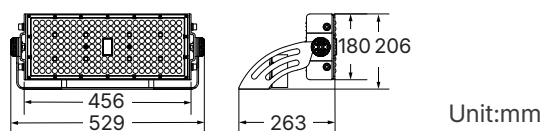
**FU3**

## FU Series

The FU series offers the perfect blend of versatility and durability for demanding wide-area applications. With multiple sizes, light distributions, CCTs, and housing colors available, this flexible solution can be tailored to any environment. Its robust structure (IP66/IK09) ensures optimal heat dissipation for a long service life (exceeding 100,000 hours at L80/B10), making it a reliable choice for stadiums, port terminals, and airports.

## Key characteristic

### FU1



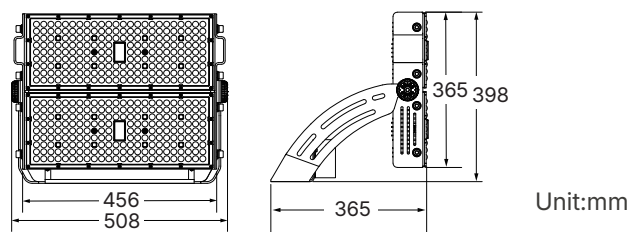
#### Technical data

Luminous flux : 90,000 lm

Power : 500W(Max)

Luminous efficacy : 165lm/W(up to 180lm/W) @4000K

### FU2



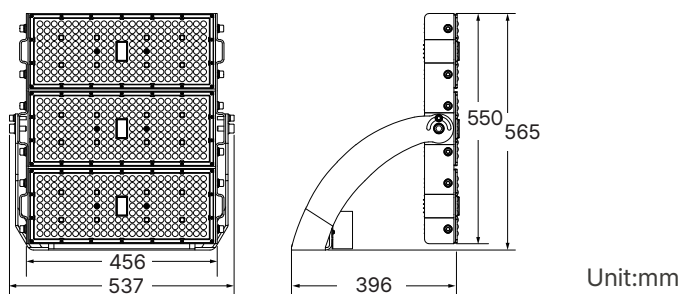
#### Technical data

Luminous flux : 180,000 lm

Power : 1000W(Max)

Luminous efficacy : 165lm/W(up to 180lm/W) @4000K

### FU3



#### Technical data

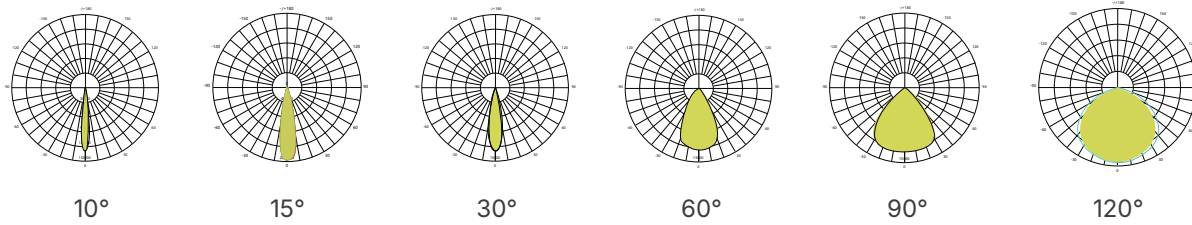
Luminous flux : 270,000 lm

Power : 1500W(Max)

Luminous efficacy : 165lm/W(up to 180lm/W) @4000K



## Light distributions



## General specifications

### Rated life

Luminous maintenance : 100,000 hours at L80

### Protection class

Protection : IP66 & IK09

Protection class : Class I

Surge Protection : 10KV/20KV

### Light colors

1,800 K / 2,700 K / 3,000 K / 4,000 K / 5,700 K / 6,500K

CRI : > 70 / 80

### Optics concept

Lenses made of PMMA, without yellowing

# LED High bay Light



## HL Series

- 100W-240W
- Up to 200lm/W
- IP65,IK08



## HB Series

- 100W-240W
- Up to 180lm/W
- IP66,IK08



## HM Series

- 80W-320W
- Up to 180lm/W
- IP66,IK08



## HH Series

- 240W-320W
  - 3.3umol/J@220Vac
  - IP66,IK08
  - For horticulture used
-







**HL4**



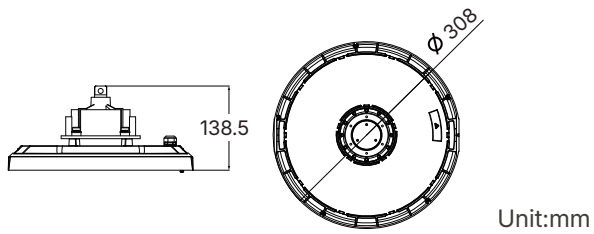
**HL2**

# HL Series

The HL Series is a highly efficient and reliable LED high bay light. With system efficiency of up to 200lm/W enabled by the state-of-the-art LED technology. It delivers outstanding performance. The series offers flexible options in optics, power, control, accessories and mounting. Designed to enhance lighting ambiance in industrial application, the HL Series is the smart choice for any new or retrofit installations.

## Key characteristic

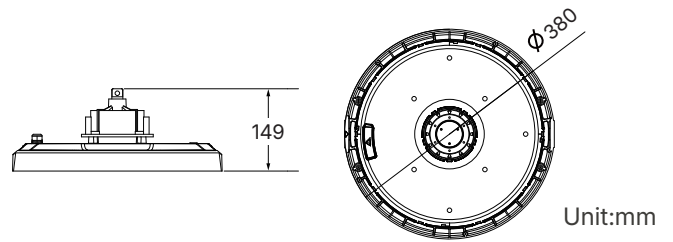
### HL2



#### Technical data

Luminous flux : 30,000 lm  
Power : 150W(Max)  
Luminous efficacy : 150lm/W(up to 200lm/W) @4000K  
Mounting height : 4-8m

### HL4



#### Technical data

Luminous flux : 48,000 lm  
Power : 240W(Max)  
Luminous efficacy : 150lm/W(up to 200lm/W) @4000K  
Mounting height : 8-12m

## Accessories



**Suspension**



**Conduit**

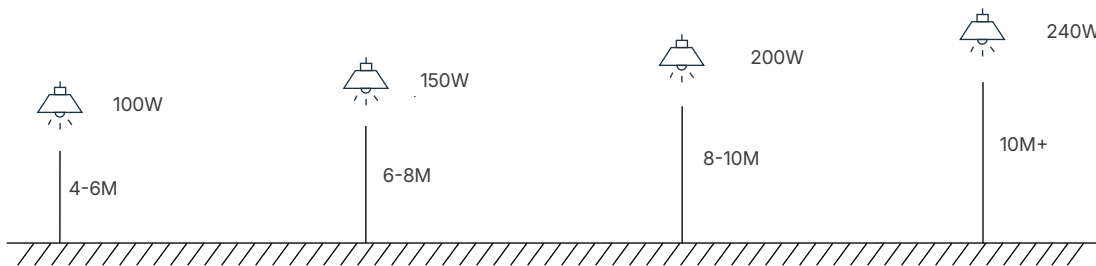


**Ceiling Bracket**

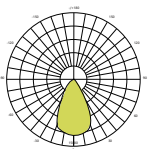


**Wall Bracket**

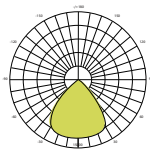
## Recommended applications



## Light distributions



60°



90°

## General specifications

### Rated life

Luminous maintenance : 100,000 hours at L80

### Light colors

1,800 K / 2,700 K / 3,000 K / 4,000 K / 5,700 K / 6,500K  
CRI : > 70 / 80

### Protection class

Protection : IP65 & IK08

Protection class : Class I





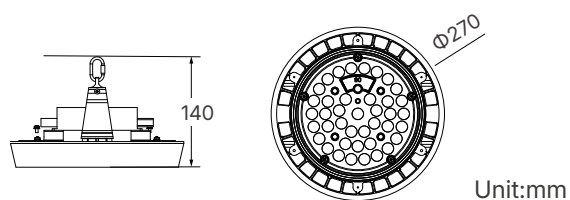


# HB Series

The HB Series delivers a truly versatile and future-ready lighting solution. Engineered for durability and reliability it features die-cast aluminum housing, IK08 impact-resistant tempered glass, and advanced heat sink design to ensure long-lasting performance in demanding outdoor environments. With integrated sockets, the HB series offers extensive smart control options, including 0-10V, DALI, and customizable dimming profiles—making it adaptable to today's needs and tomorrow's smart city requirements.

## Key characteristic

### HB1



#### Technical data

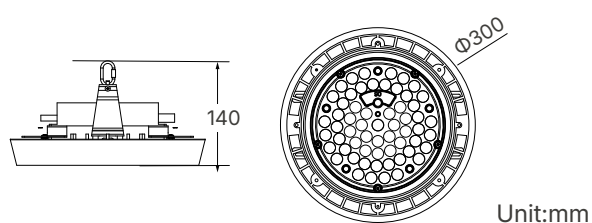
Luminous flux : 18,000 lm

Power : 100W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K

Mounting height : 4-6m

### HB2



#### Technical data

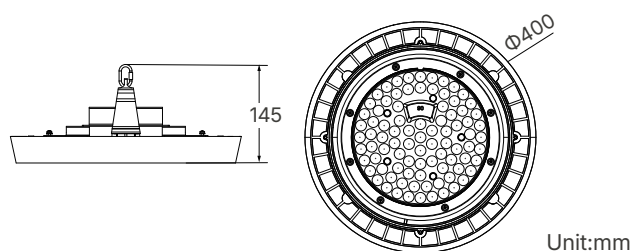
Luminous flux : 27,000 lm

Power : 150W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K

Mounting height : 6-8m

### HB3



#### Technical data

Luminous flux : 43,200 lm

Power : 240W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @CRI70

Mounting height : 8-12m

## Accessories



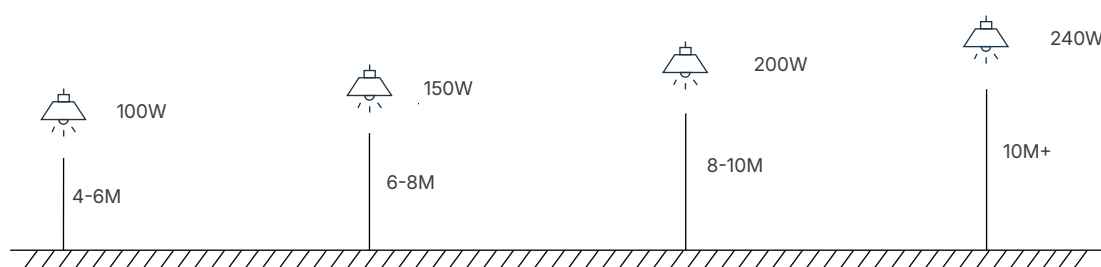
**Mounting Bracket**



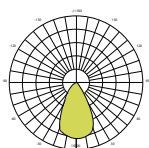
**Driver Bracket**

(Up to Ta:75°C)

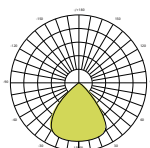
## Recommended applications



## Light distributions



60°



90°

## General specifications

### Rated life

Luminous maintenance : 100,000 hours at L80

### Light colors

1,800 K / 2,700 K / 3,000 K / 4,000 K / 5,700 K / 6,500K  
CRI : > 70 / 80

### Protection class

Protection : IP66 & IK08

Protection class : Class I







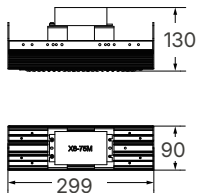


# HM Series

The HM Series is a high-performance linear light developed by Edison, offering adaptable lighting solutions to meet diverse needs. Its extruded aluminum alloy housing and unique longitudinal grid heat dissipation design ensure exceptional longevity. An IP66 waterproof rating further enhances reliability, making it ideal for demanding environments.

## Key characteristic

### HM1



Unit:mm

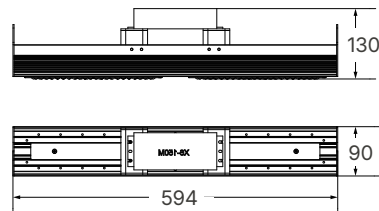
#### Technical data

Luminous flux : 14,400 lm

Power : 80W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K

### HM2



Unit:mm

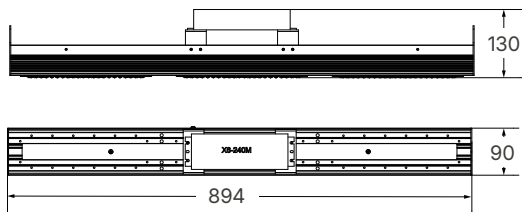
#### Technical data

Luminous flux : 28,800 lm

Power : 160W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K

### HM3



Unit:mm

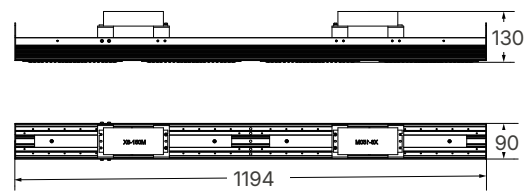
#### Technical data

Luminous flux : 43,200 lm

Power : 240W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K

### HM4



Unit:mm

#### Technical data

Luminous flux : 57,600 lm

Power : 320W(Max)

Luminous efficacy : 150lm/W(up to 180lm/W) @4000K

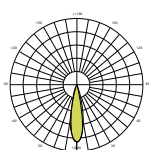
## Accessories



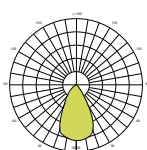
### Mounting

Bracket  
Suspension Ring

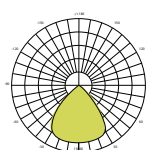
## Light distributions



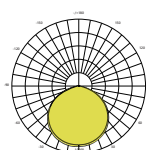
30°



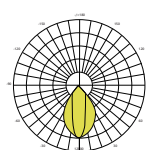
60°



90°



120°



30×70°

## General specifications

### Rated life

Luminous maintenance : 100,000 hours at L80

### Protection class

Protection : IP66 & IK08

Protection class : Class I

### Light colors

1,800 K / 2,700 K / 3,000 K / 4,000 K / 5,700 K / 6,500K

CRI : > 70 / 80









**HH3**



**HH4**

## HH Series

The HH Series delivers tailored horticultural solutions with robust aluminum alloy housing and unique longitudinal heat-dissipation design for an extended lifespan. With IP66 waterproof protection and advanced technology, it achieves industry leading PPF output performance ensuring reliable, long-term cultivation.

# Key characteristic

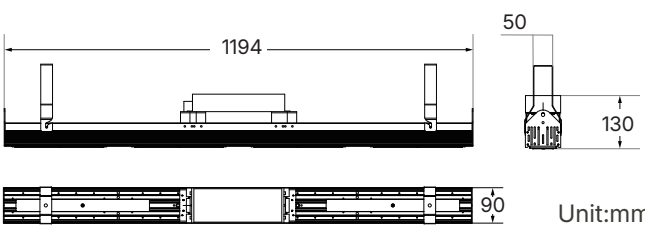
## HH3



### Technical data

PPE : 3.5umol/J@220Vac  
Power : 240W(Max)

## HH4



### Technical data

PPE : 3.5umol/J@220Vac  
Power : 320W(Max)

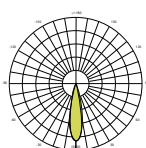
## Accessories



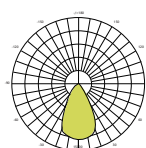
### Mounting

Bracket  
Suspension Ring

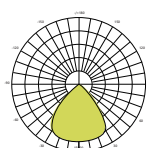
## Light distributions



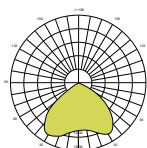
30°



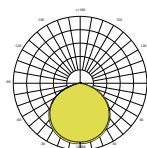
60°



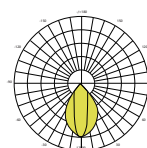
90°



110°



120°



30×70°

## General specifications

### Rated life

Luminous maintenance : 100,000 hours at L80

### Protection class

Protection : IP66 & IK08

Protection class : Class I

### Proportion of LED (Red: Blue:White)

R:B:W Formula 1 is suitable for Solanaceae

### Mounting

Standard : bracket,option by bracket,suspension ring













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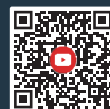
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