

# MORELUX LIGHTING

— LED OUTDOOR LIGHTING —

# 2024



## Company View

# MANUFACTURING UNITS AT INDIA MALAYSIA CHINA

VERTICAL MANUFACTURING ACROSS  
FOUR OWNED FACTORIES

 **400**  
Employees

 **69,677**  
sq.m



### Manufacturing & Beyond

We have a wide range of processes and materials that we are experts at, and modern well-maintained equipment designed to accomplish most manufacturing tasks.



- 1 STEEL** Stamping, CNC Machining, Laser-Cutting, Welding, Casting, Spinning, Hydro Form, Fabrication, Arc Welding.
- 2 FINISH** Chemical treatment, Polyester powder coat, Wet paint, Galvanized, Anodizing, Vacuum metalizing, Brushed satin, Chrome Nickel, Mirror, & cold-mirror.
- 3 ALUMINUM** High & Low-pressure die-cast, Gravity/Permanent molding, Sand-cast, Spinning, Hydro form, Welding, Fabrication, TIG & MIG Welding
- 4 BRASS & BRONZE** High-pressure injection, Casting, CNC machining, Fabrication.

- 5 GRP** Injection molding, Compression molding.
- 6 GLASS** Press-Borosilicate & Soda-lime, Water jet cutting, Silkscreen, Tempering, Annealing, Acid treatment & etching.
- 7 PLASTICS** Injection molding, Injection blowmolding, Extrusion, blowmolding, Vacuum forming, Roto-molding.
- 8 ASSEMBLY & FABRICATION** Wiring, Shaping, Welding, Fixture Construction.
- 9 TOOLING** Manufacturing tools for Stamping, Spinning, Hydroform, Injection die-cast, Gravity, Sand-cast, Press glass Extrusion, Injection, Blow-molding, Vacuum, Roto-molding.
- 10 TESTING** Vibration, X-Ray, UL, CSA, ETL, CNC tracing, IP rating, Pressure/explosion testing, Photometric testing, Corrosion salt testing and much more.



## CONCEPT BY CUSTOMER

From initial sketches to comprehensive 3D modeling & rendering.

## PROTOTYPING

Many years of experience prototyping of one-offs for customer approval.

## TOOLING

Extensive experience in creating tools in our in-house facility for a number of processes & materials including diecast aluminum, stamping and punching, plastic injection molding, extrusions, blow molding and thermoforming.

## DESIGN & ENGINEERING

Broad spectrum of services from electrical and mechanical, to optical and photometric engineering.

## TESTING & CERTIFICATION

We have the equipment and the trained personnel for any conceivable testing or certification in the lighting & industrial equipment industries

## PRODUCTION

Now we are ready for production. We can do small runs or large ones. We will advise you of the manufacturing efficiencies and cost savings of the different options.

# Company View

## THOROUGH QUALITY CONTROL

### MORELUX OWN LAB

Various reliability tests throughout product development before released

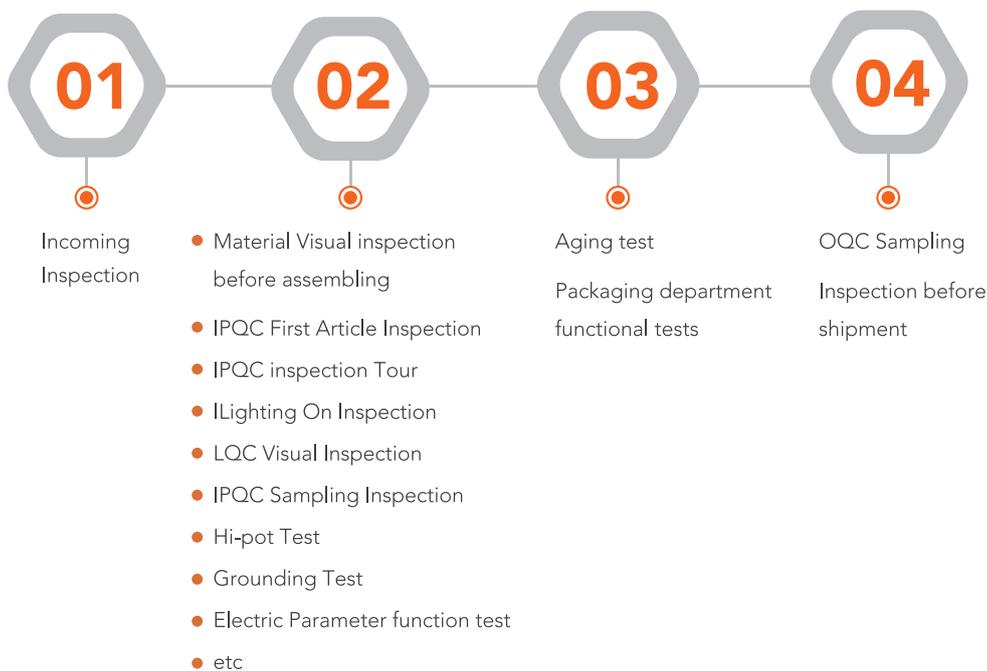


### SQC(SUPPLIER QUALITY CONTROL)

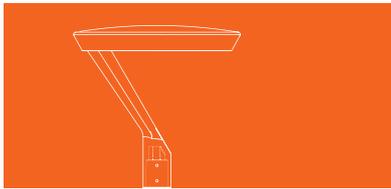
Ensuring maximum quality control of raw materials is one of the most basic tenets of us.

### 11 STAFFS IN QC TEAM

Comprehensive quality control in every production process.



# CONTINUOUS NEW PRODUCTS DRIVING DEVELOPMENT

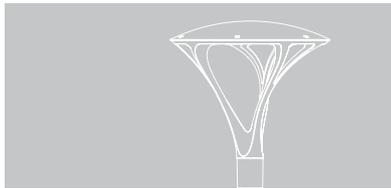


## CONTINUOUS DESIGN

More than 50 type of new product under development

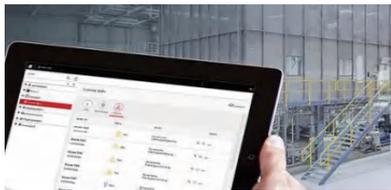
## EFFICIENT ENGINEERING TEAM

Keeping releasing at least 3-5 new products every month



## PRODUCT UPGRADE

Offer new solutions for additional element, functions, accessories, upgrade 1 year ahead before planned lifecycle.



## CONCENTRATING ON MARKET TREND

Keeping releasing at least 3-5 new products every month

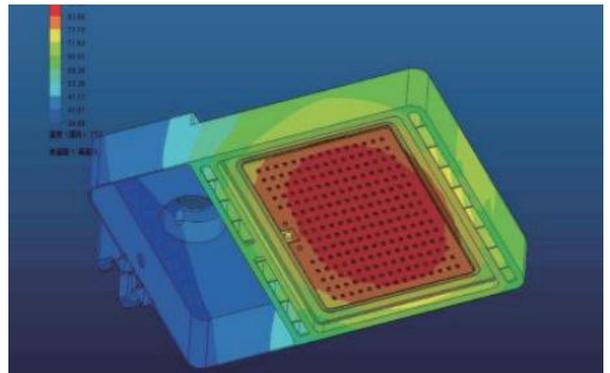
## PRODUCT INNOVATION TEAM

Up-to-date



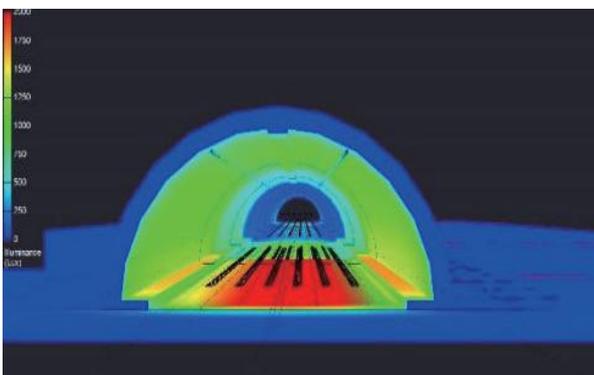
## PRODUCT ENGINEERING TEAM

Versatility and efficient



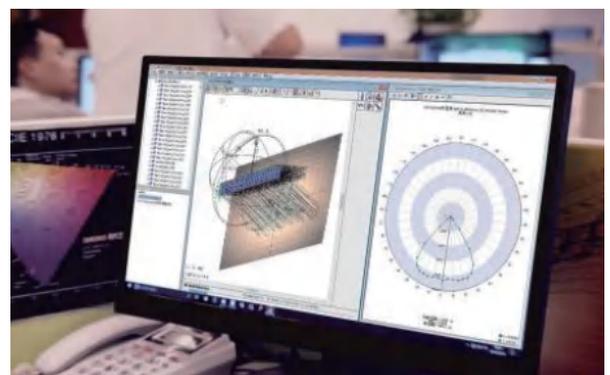
## OPTIC DESIGN TEAM

Precise and Professional



## PRODUCT CUSTOMIZED TEAM

Flexibility



# Overview Outdoor lighting

## Street Light



SL01  
P7



SL02  
P11



SL03  
P15



SL04  
P19



SL05  
P21



SL09  
P25

## Garden Light



GL01  
P29



GL02  
P31



GL04  
P35



GL05  
P37



GL06  
P39



GL07  
P41



GL08  
P43



GL09  
P45



GL10  
P47

## Bollard Light



BL03  
P49



BL05  
P51



BL06  
P53



BL07  
P55

## Sports Light



CL01  
P57



CL02  
P61

## Flood Light



FL08  
P65



FL09  
P69



FL10  
P73



FL11  
P75

## Inground Light



IL01  
P77



IL02  
P79



IL03  
P81

## Tunnel Light



TL01  
P83



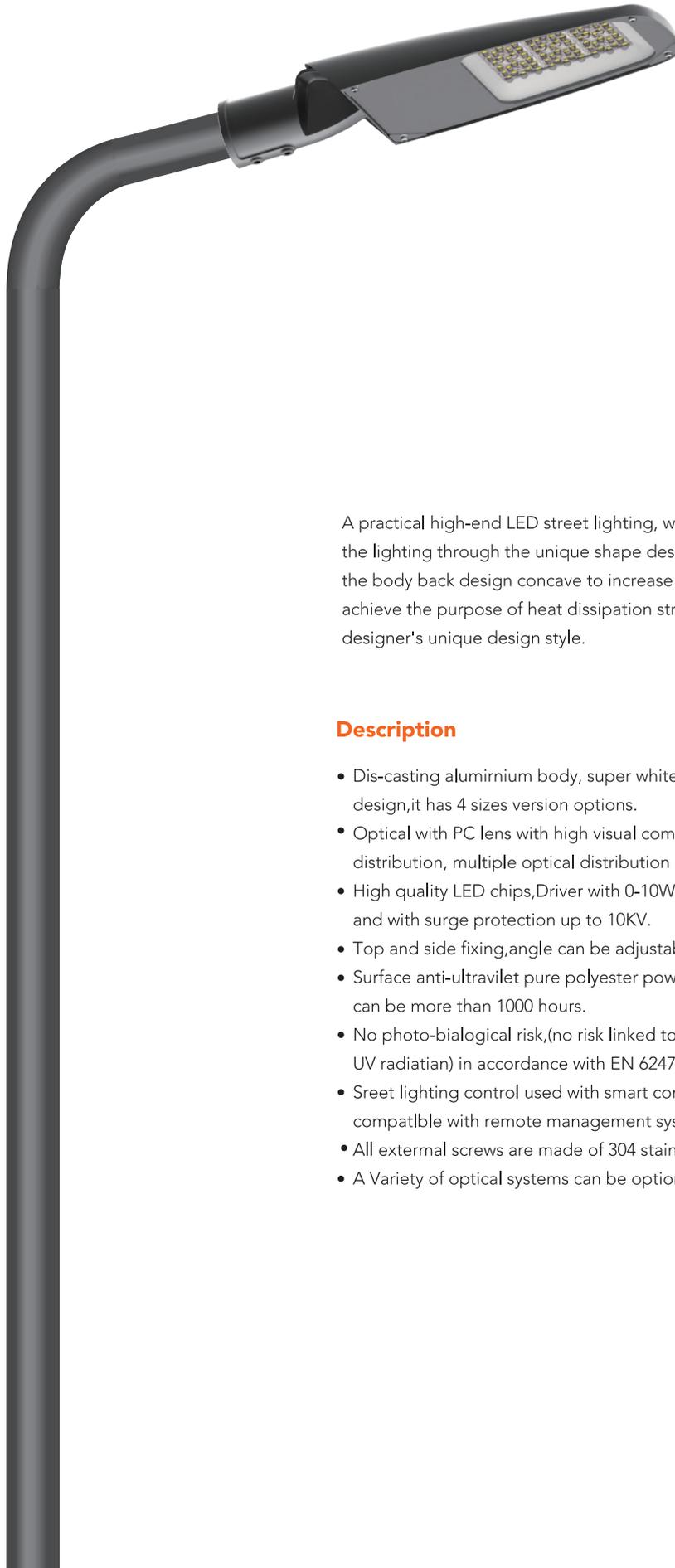
# SL01

LED Street Light



# SL01

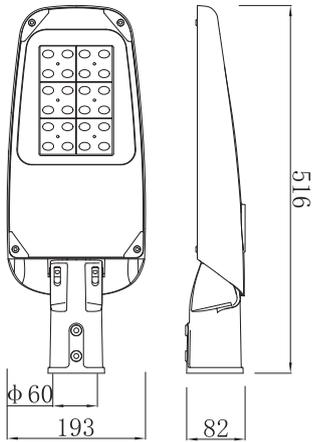
LED Street Light



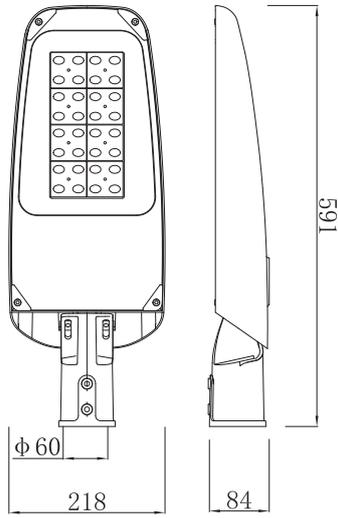
A practical high-end LED street lighting, with strong sense of design, the lighting through the unique shape design and through the body back design concave to increase the wind effect, to achieve the purpose of heat dissipation structure. Reflect the designer's unique design style.

## Description

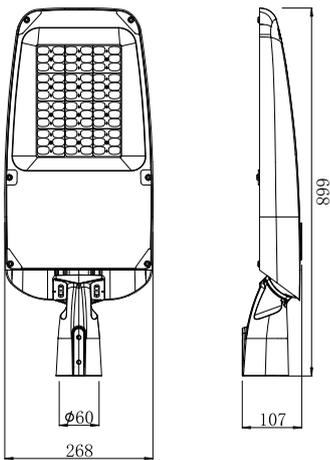
- Dis-casting aluminium body, super white tempered glass. Special shape design, it has 4 sizes version options.
- Optical with PC lens with high visual comfortable and uniform lighting distribution, multiple optical distribution options.
- High quality LED chips, Driver with 0-10W/DAL/programmed be options, and with surge protection up to 10KV.
- Top and side fixing, angle can be adjustable, installation tube diameter  $\Phi 60$ mm.
- Surface anti-ultraviolet pure polyester powder painting, corrosion resistance can be more than 1000 hours.
- No photo-biological risk, (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471-2008.
- Street lighting control used with smart control technology. It can be compatible with remote management system.
- All external screws are made of 304 stainless steel.
- A Variety of optical systems can be options.



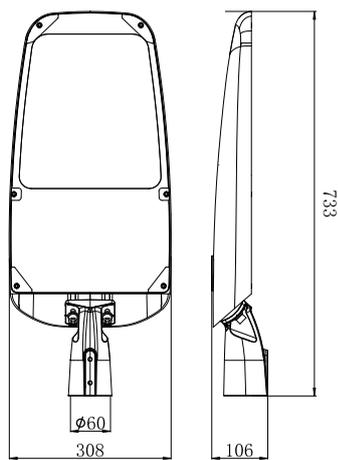
SL01-50W



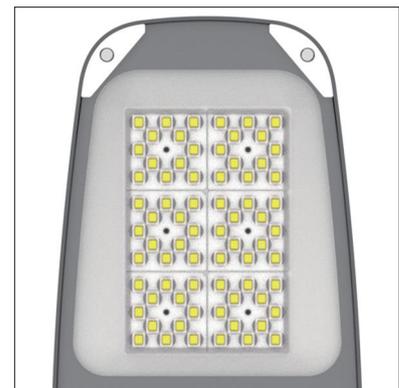
SL01-100W



SL01-150W



SL01-200W



**Accessories options**



+10/-15/+90 degree angle tilting & both  $\Phi 60$ mm mounting rod compatible



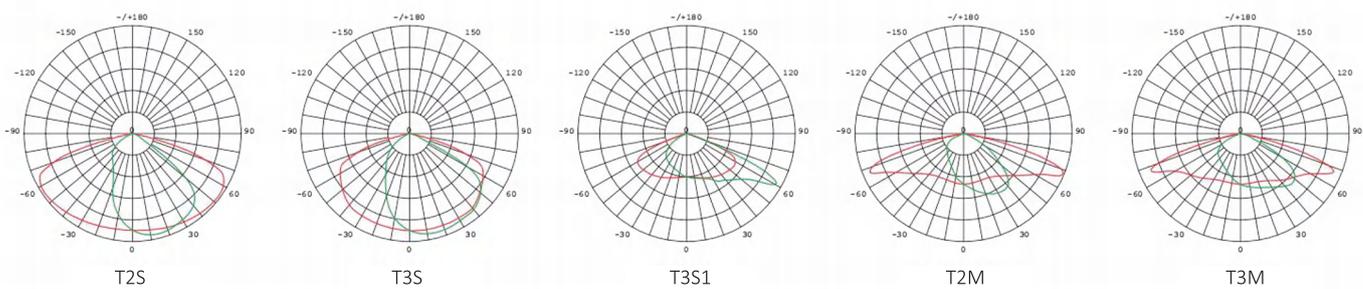


## Technical Data

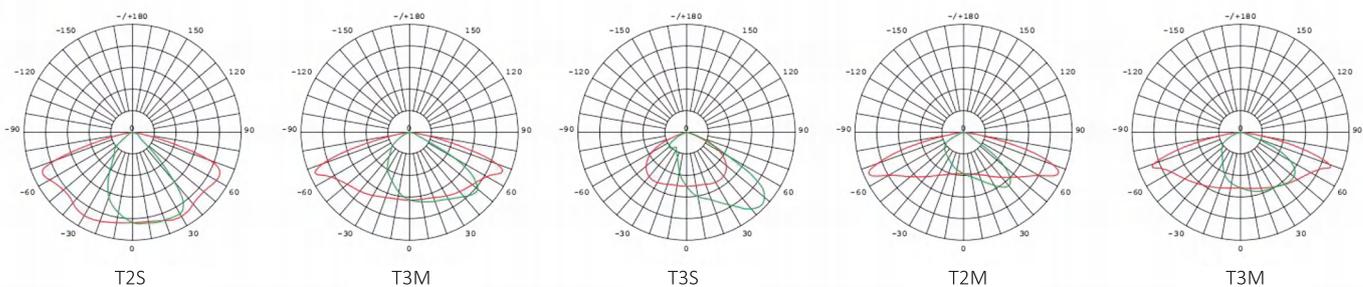
Model No.	SL01-50W	SL01-100W	SL01-150W	SL01-200W
<b>LED Chips</b>	3030/5050	3030/5050	3030/5050	3030/5050
<b>LED QTY</b>	96/24pcs	128/48pcs	192/72pcs	240/90pcs
<b>Wattage</b>	50W	100W	150W	200W
<b>Light Efficacy</b>	150lm/w	150lm/w	150lm/w	150lm/w
<b>Luminous Flux@4000K</b>	7500lm	15000lm	22500lm	30000lm
<b>CRI</b>	≥70	≥70	≥70	≥70
<b>Color Temperature</b>	3000K-6000K	3000K-6000K	3000K-6000K	3000K-6000K
<b>Input Voltage</b>	100-277 VAC, 50 / 60 Hz			
<b>Operating</b>	-35-50 C	-35-50 C	-35-50 C	-35-50 C
<b>Humidity</b>	10-90% RH	10-90% RH	10-90% RH	10-90% RH
<b>Warranty</b>	5 years	5 years	5 years	5 years

## Photometry

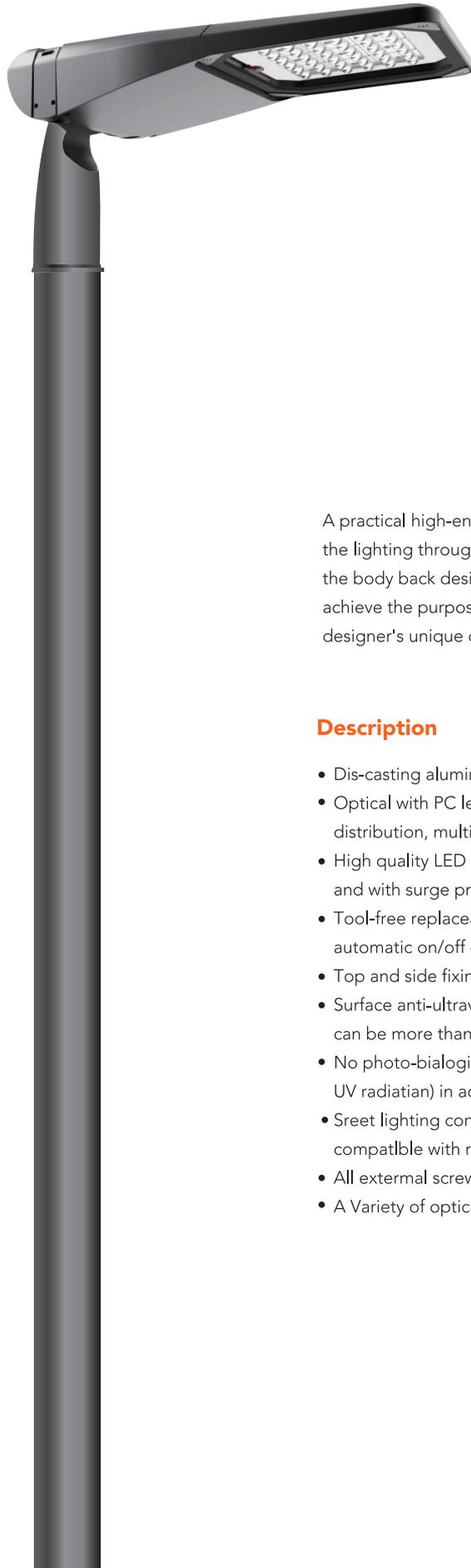
### 3030 Version



### 5050 Version



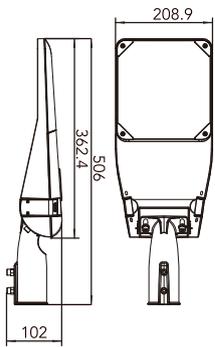




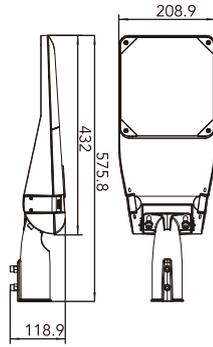
A practical high-end LED street lighting, with strong sense of design, the lighting through the unique shape design and through the body back design concave to increase the wind effect, to achieve the purpose of heat dissipation structure. Reflect the designer's unique design style.

### Description

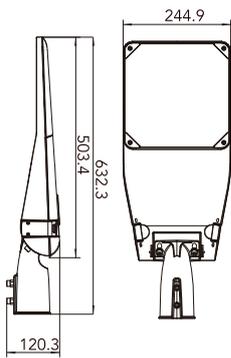
- Dis-casting aluminium body, super white tempered glass.
- Optical with PC lens with high visual comfortable and uniform lighting distribution, multiple optical distribution options.
- High quality LED chips, Driver with 0-10W/DAL/programmed be options, and with surge protection up to 10KV.
- Tool-free replaceable, stainless steel fasten for opened device, automatic on/off connector when be open.
- Top and side fixing, angle can be adjustable, installation tube diameter  $\Phi 60$ mm.
- Surface anti-ultraviolet pure polyester powder painting, corrosion resistance can be more than 1000 hours.
- No photo-biological risk, (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471-2008.
- Street lighting control used with smart control technology. It can be compatible with remote management system.
- All external screws are made of 304 stainless steel.
- A Variety of optical systems can be options.



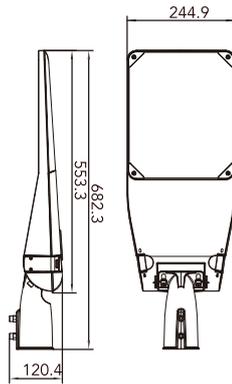
SL02-50W



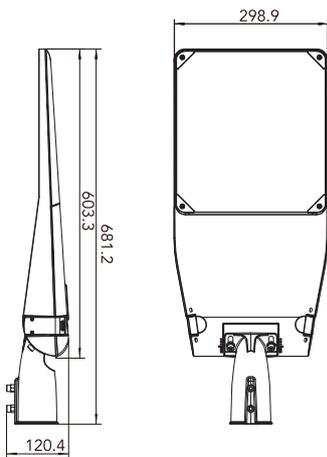
SL02-80W



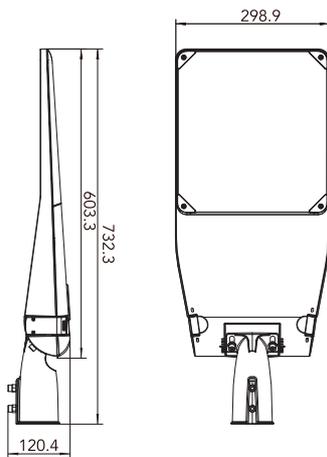
SL02-100W



SL02-150W



SL02-200W



SL02-240W



**Accessories options**



+10/-15/+90 degree angle tilting & both  $\Phi 60$ mm mounting rod compatible

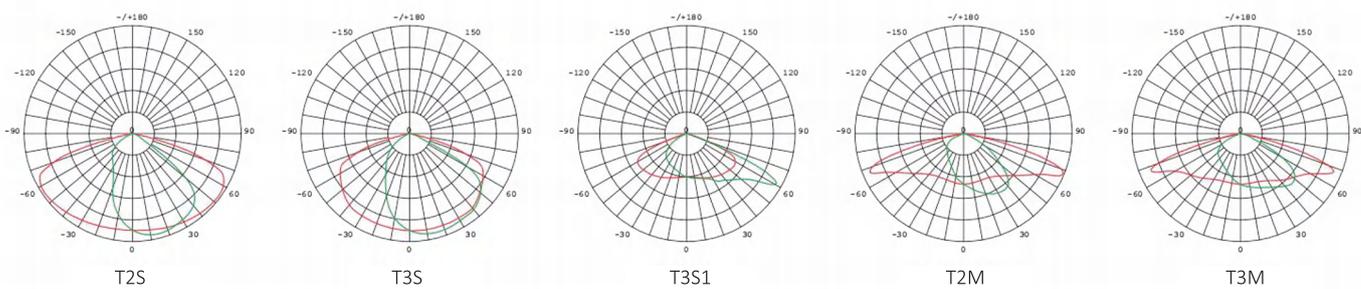


## Technical Data

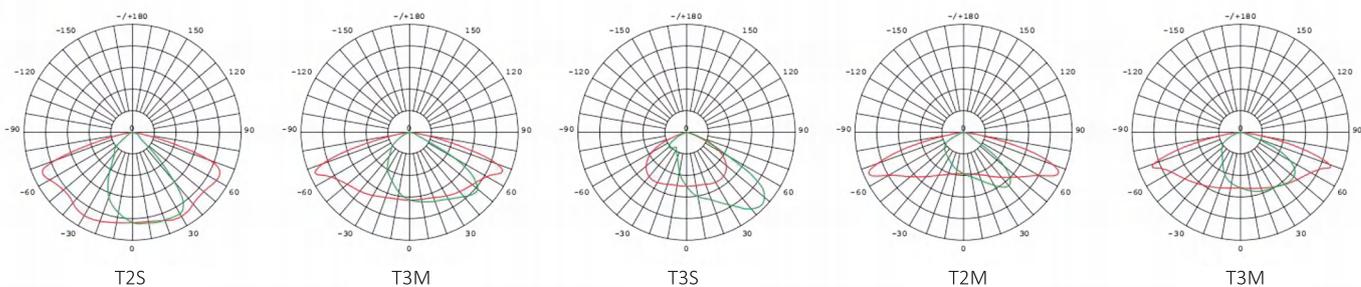
Model No.	SL02-50W	SL02-80W	SL02-100W	SL02-150W	SL02-200W	SL02-240W
<b>LED Chips</b>	3030/5050	3030/5050	3030/5050	3030/5050	3030/5050	3030/5050
<b>Wattage</b>	50W	80W	100W	150W	200W	240W
<b>Light Efficacy</b>	≥ 150lm/w					
<b>Luminous Flux@4000K</b>	7500lm	12000lm	15000lm	22500lm	30000lm	36000lm
<b>LED Pcs</b>	64/24pcs	144/36pcs	144/54pcs	192/72pcs	192/96pcs	240/120pcs
<b>CRI</b>	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
<b>Color Temperature</b>	3000K-6000K	3000K-6000K	3000K-6000K	3000K-6000K	3000K-6000K	3000K-6000K
<b>Input Voltage</b>	100-277 VAC, 50 / 60 Hz					
<b>Operating</b>	-30-50 C					
<b>Humidity</b>	10-90% RH					
<b>Warranty</b>	5 years					

## Photometry

### 3030 Version



### 5050 Version



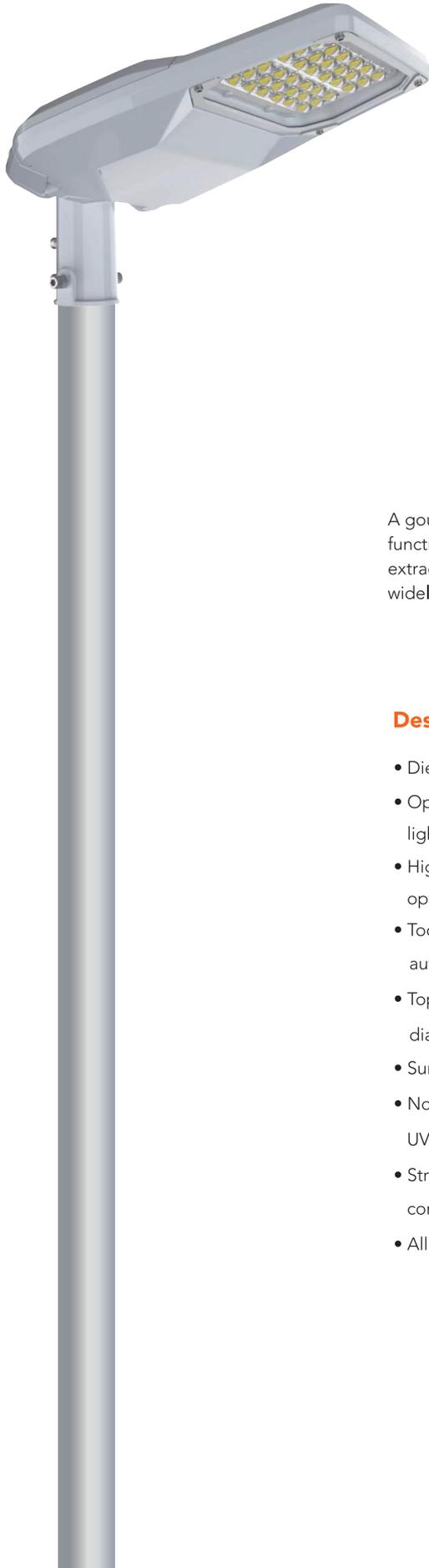


**SL03**  
LED Street Light



# SL03

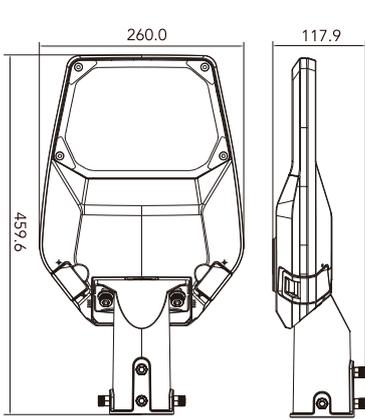
LED Street Light



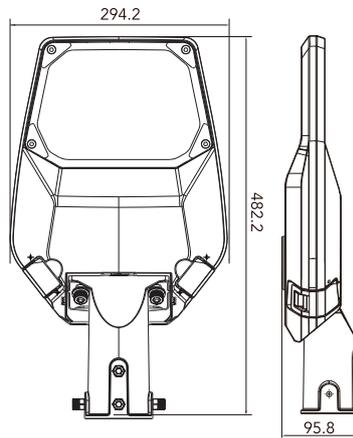
A group of economic LED street lighting, with full complete functions and simple and generous modeling, reflects the extraordinary design concept from the ordinary. It can be widely used in square, park, community and other occasions

## Description

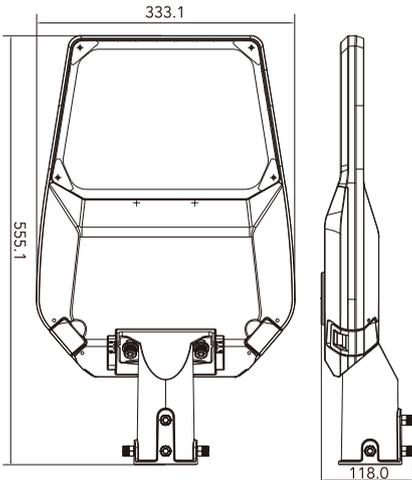
- Die-casting aluminium body, super white tempered glass.
- Optical with PC lens with high visual comfortable and uniform lighting distribution, multiple optical distribution options.
- High quality LED chips, Driver with 0-10V/DALI/programmed be options, and with surge protection up to 20KV.
- Tool-free replaceable, stainless steel fasten for opened device, automatic on/off connector when be open.
- Top and side fixing, angle can be adjustable, installation tube diameter Ø60mm.
- Surface anti-ultraviolet pure polyester powder painting.
- No photo-biological risk, (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.
- Street lighting control system for use with smart LEDs. It can be compatible with remote management system.
- All external screws are in 304 stainless steel.



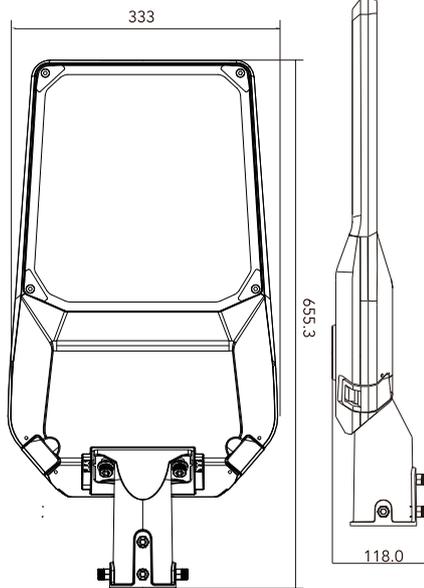
SL03-50W



SL03-100W



SL03-150W



SL03-200W



**Accessories options**



+10/-15/+90 degree angle tilting & both  $\Phi 60$ mm mounting rod compatible

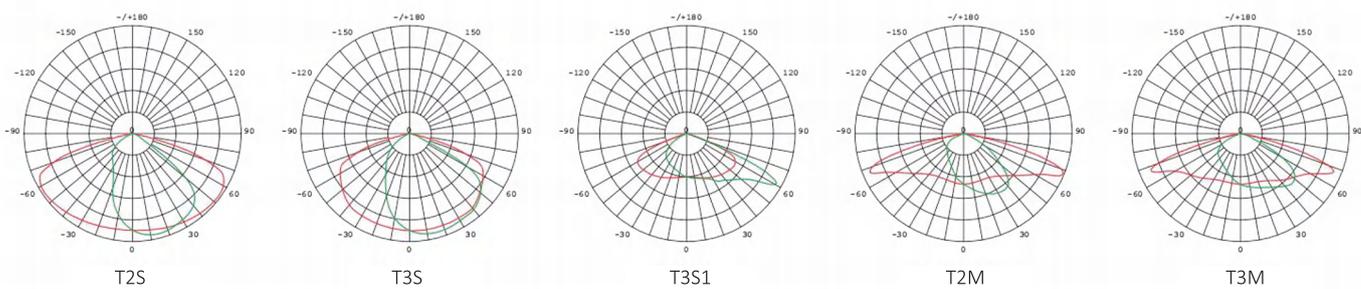


## Technical Data

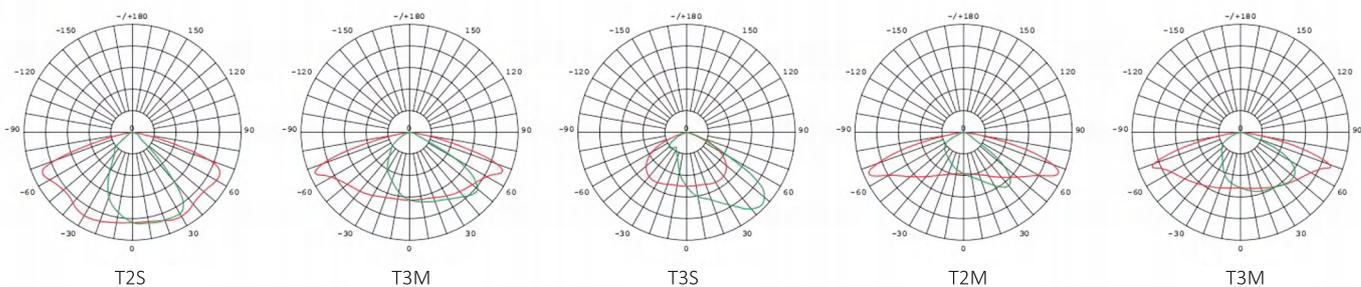
Model No.	SL03-50W	SL03-100W	SL03-150W	SL03-200W
<b>LED Chips</b>	3030/5050	3030/5050	3030/5050	3030/5050
<b>Wattage</b>	50W	100W	150W	200W
<b>Light Efficacy</b>	150lm/w	150lm/w	150lm/w	150lm/w
<b>Luminous Flux@4000K</b>	7500lm	14000lm	22500lm	30000lm
<b>LED Pcs</b>	64/24pcs	144/36pcs	192/72pcs	240/80pcs
<b>CRI</b>	≥70	≥70	≥70	≥70
<b>Color Temperature</b>	4000K-6000K	4000K-6000K	4000K-6000K	4000K-6000K
<b>Input Voltage</b>	100-277 VAC, 50 / 60 Hz			
<b>Operating</b>	-30-50 C	-30-50 C	-30-50 C	-30-50 C
<b>Humidity</b>	10-90% RH	10-90% RH	10-90% RH	10-90% RH
<b>Warranty</b>	5 years	5 years	5 years	5 years

## Photometry

### 3030 Version



### 5050 Version



It is mainly applied to the road lighting of urban expressway, secondary trunk road, branch road, factory, school, garden, various residential communities and courtyards. The installation height is 6-13m and the installation torque is 16Nm.

## Description

- IP66 waterproof/dust proof/explosion proof/IK09.
- Aluminum shape good at heat dissipation.
- The lamp post can be adjusted to plus or minus 15 degrees. It can also be installed vertically.
- Philips SMD 3030/ 5050/ Ra>70/SDCM<6s.
- 100,000 times switching cycle before failure.
- Total harmonic distortion(THD)<10%.
- Excellent post light control design, the whole lamp can achieve T II-M, T III-M, That's our advantage.
- Pass 3G vibration test.



SL04 40W-80W



SL04 100W-150W



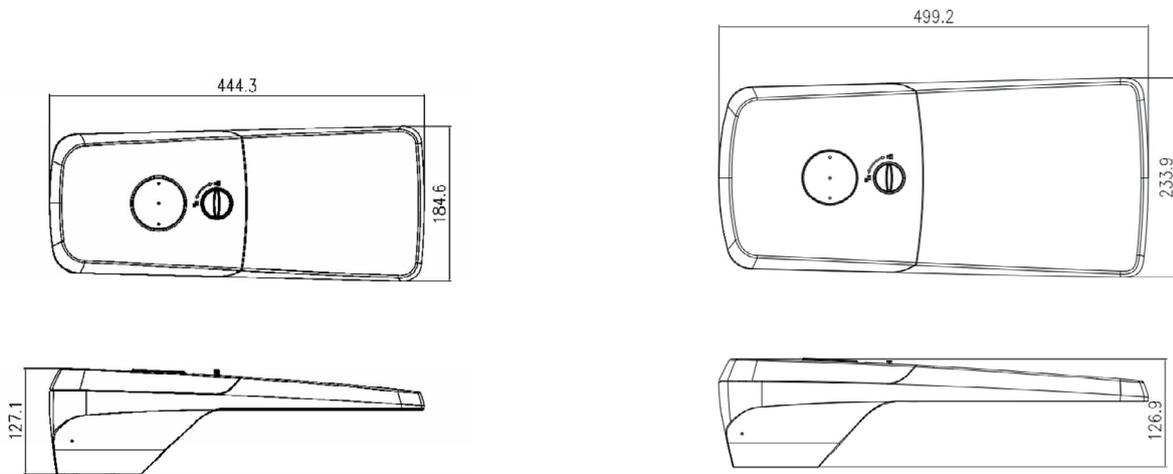
# SL04

LED Street Light



## Technical Data

Model No.	SL04-40W	SL04-50W	SL04-60W	SL04-80W	SL04-100W	SL04-120W	SL04-150W
<b>Wattage</b>	40W	50W	60W	80W	100W	120W	150W
<b>LED Chips</b>	3030	3030	3030	3030	3030	3030	3030
<b>Light Efficacy</b>	140lm/w						
<b>LED Pcs</b>	24	32	48	48	54	72	96
<b>Lumen Output (lm)</b>	6000lm	7500lm	9000lm	12000lm	15000lm	18000lm	22500lm
<b>CCT (K)</b>	3000K 4000K 6500K						
<b>Input Voltage</b>	100-277 V, 50-60 Hz						
<b>Ra</b>	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
<b>PF</b>	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9

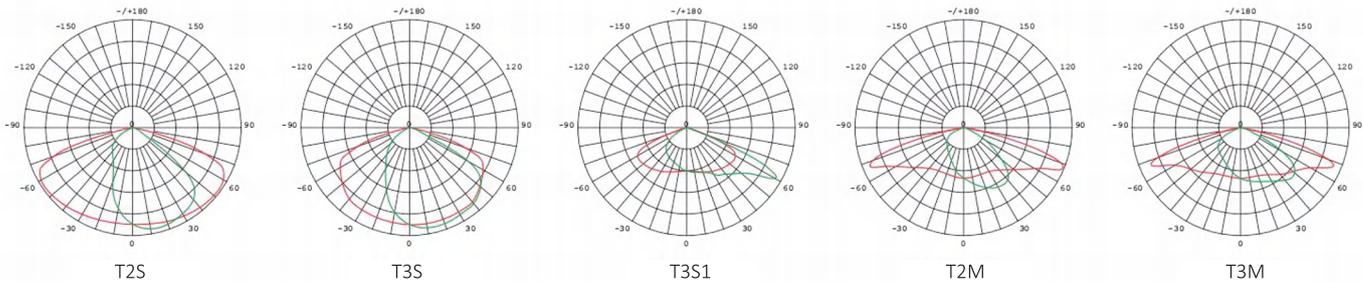


SL04 40W-80W

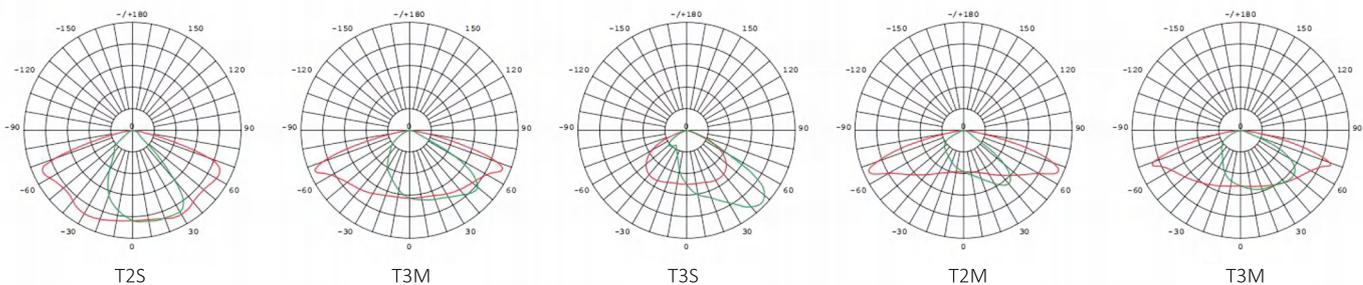
SL04 100W-150W

## Photometry

### 3030 Version



### 5050 Version





# SL05

LED Street Light



# SL05

LED Street Light



SL08-180W-200W



SL07-120W-150W



SL06-60W-80W



SL05-40W

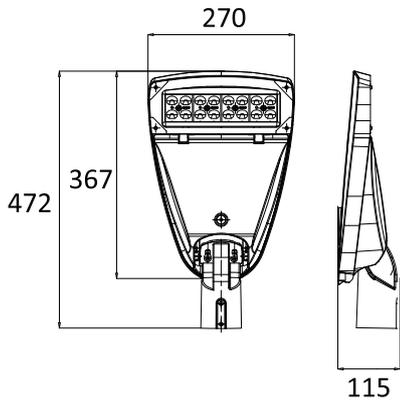


SL08-220W-250W

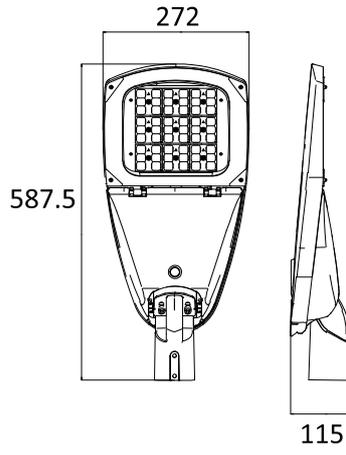
A high-end LED road lighting, it with a strong sense of design, the lighting through the unique shape design and through the body back design concave to increase the wind effect, to achieve the purpose of heat dissipation structure. Reflect the designer's unique design style.

## Product features and advantages

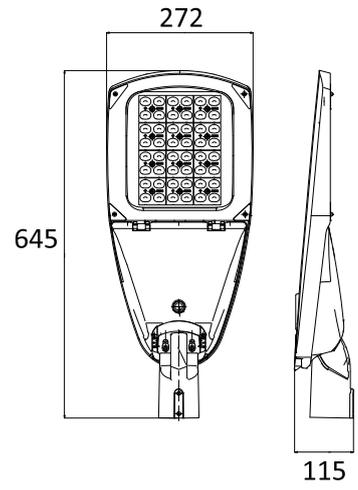
- Designed by European team, with appearance patent.
- Four sizes and multiple lumen options for a variety of lighting projects.
- Up to 35,000 lumens.
- A variety of light distribution angles are available to optimize lighting effects and reduce glare values.
- Reliable power supply and chip matching ensure stable operation, optional anti-fall device.
- The whole lighting effect is as high as 140lm/w, ranking the leading level in the industry.
- Smooth back design with no ash layer and self-cleaning function.
- Multiple color temperature options enhance visual comfort.
- Waterproof and dustproof grade IP66 & protection grade IK09.
- Suitable for intelligent control systems and smart city projects.
- Tool-free maintenance design makes installation and maintenance safer and more convenient.
- Life up to L90 @ 100,000 hours Ta= 35 °C.
- 8-year warranty on the whole lamp.



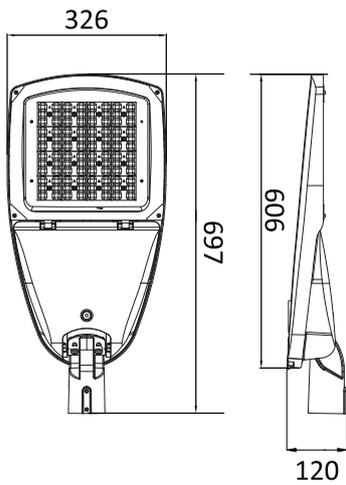
SL05-40W



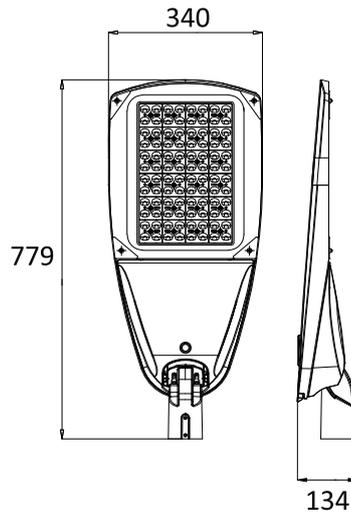
SL06-60W/80W



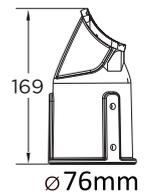
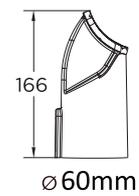
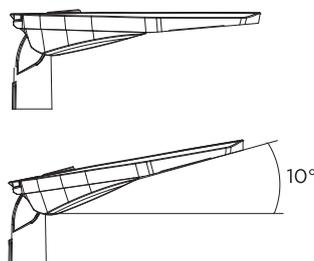
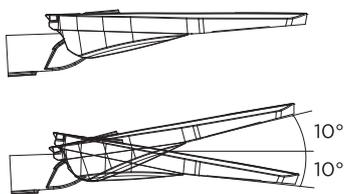
SL07-120W/150W



SL08-180W/200W



SL08-220W/250W



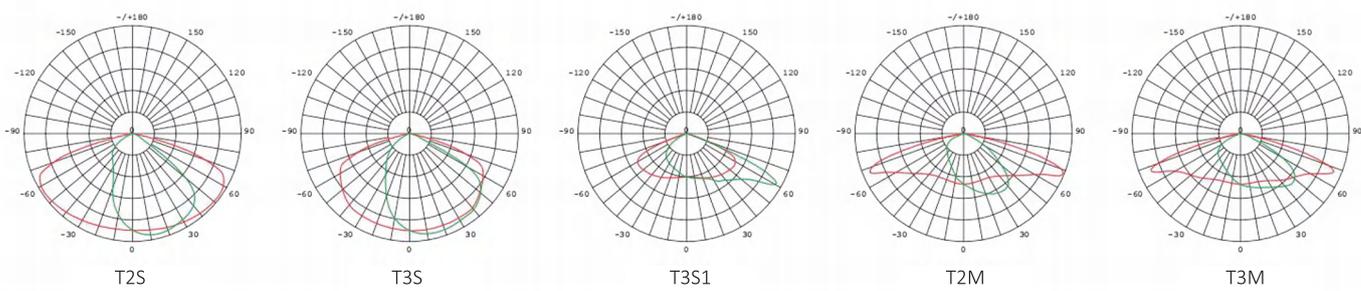


## Technical Data

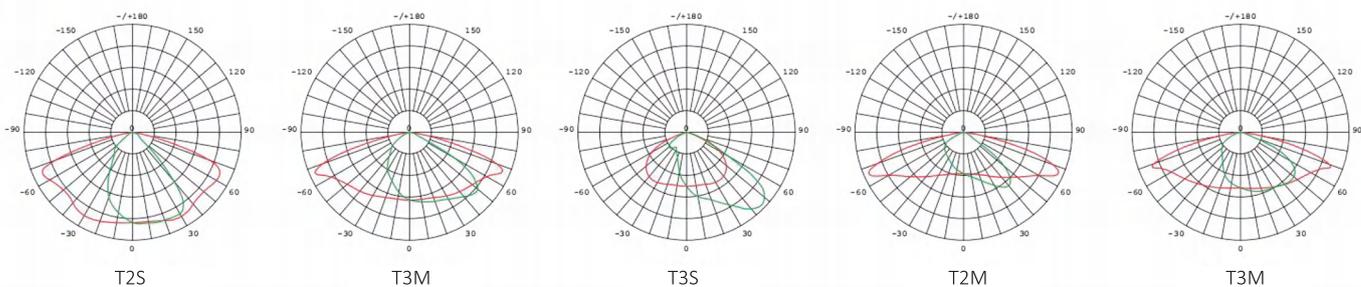
<b>Model No.</b>	SL05-40W	SL06-60/80W	SL07-120/150W	SL08-180/200W	SL08-220/250W
<b>LED Chips</b>	5050	5050	5050	5050	5050
<b>Wattage</b>	40W	60W/80W	120W/150W	180W/200W	220W/250W
<b>Light Efficacy</b>	140lm/w	140lm/w	140lm/w	140lm/w	140lm/w
<b>Luminous Flux@4000K</b>	5600Lm	8400Lm/11200Lm	16800Lm/21300Lm	25200Lm/28000Lm	30800Lm/35000Lm
<b>Input Voltage</b>	100-277 VAC, 50 / 60 Hz				
<b>Storage Temperature</b>	-40°C~+55°C	-40°C~+55°C	-40°C~+55°C	-40°C~+55°C	-40°C~+55°C
<b>Ra</b>	>70	>70	>70	>70	>70

## Photometry

### 3030 Version



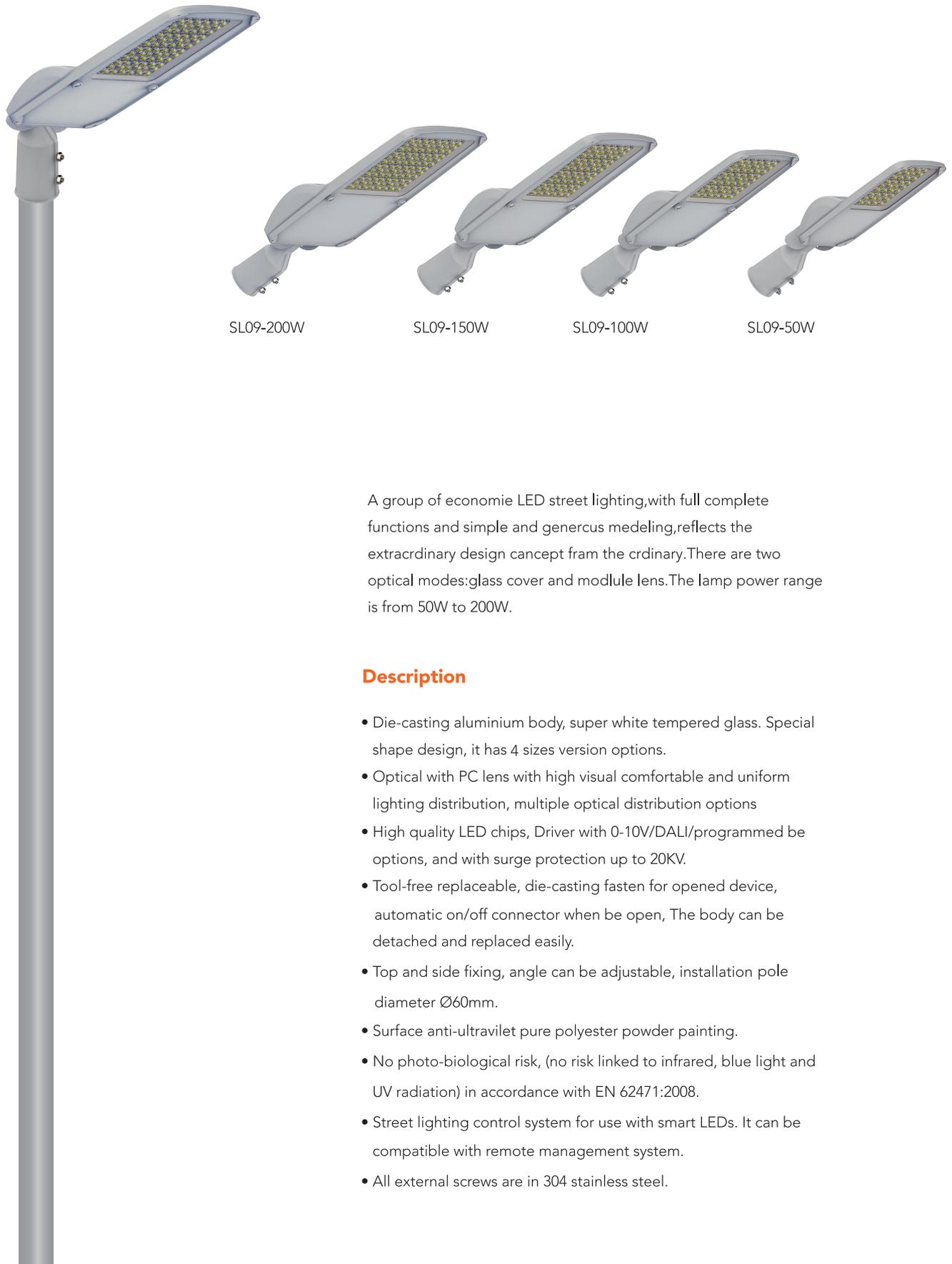
### 5050 Version





**SL09**  
LED Street Light





SL09-200W

SL09-150W

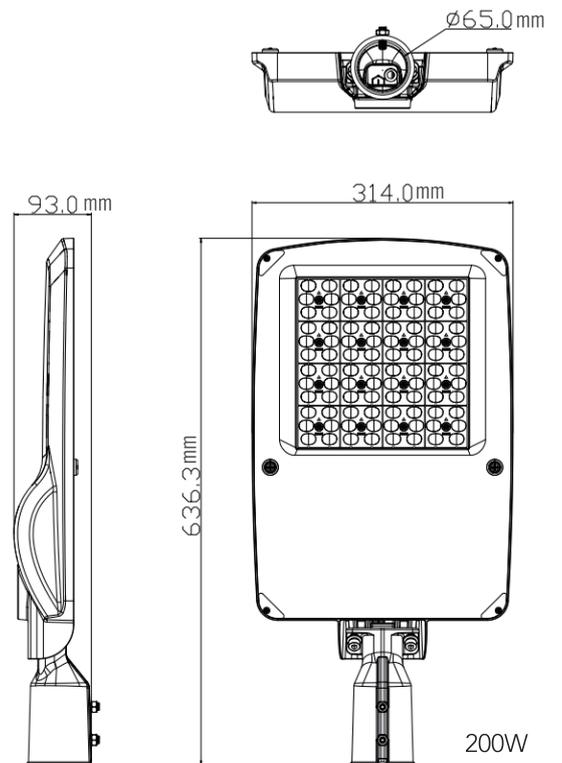
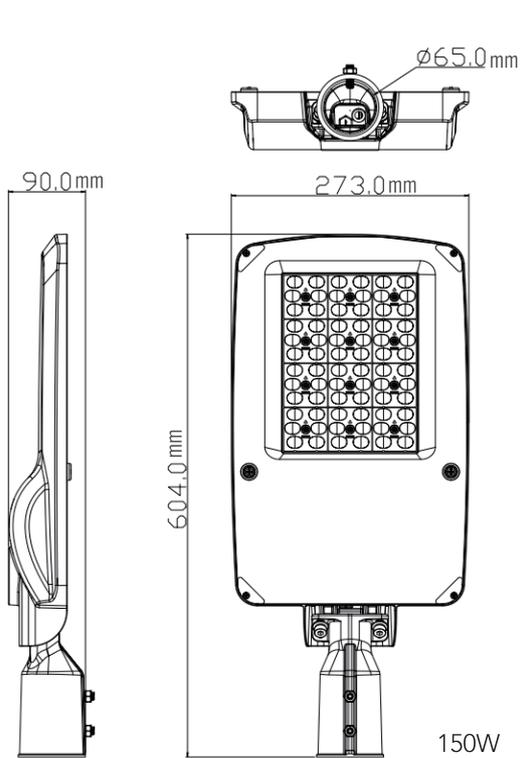
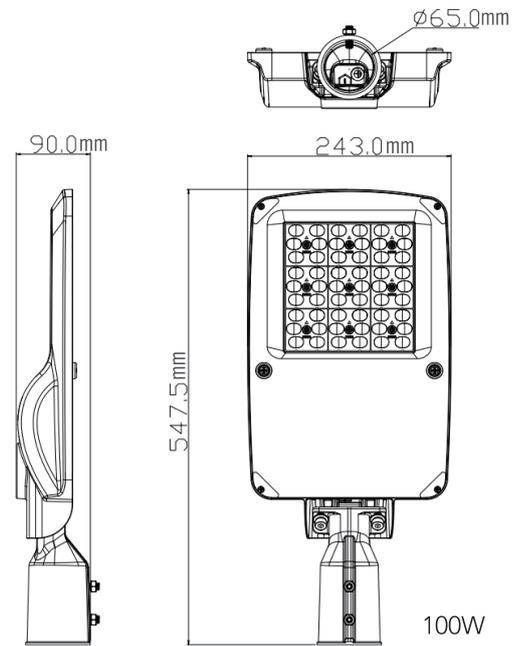
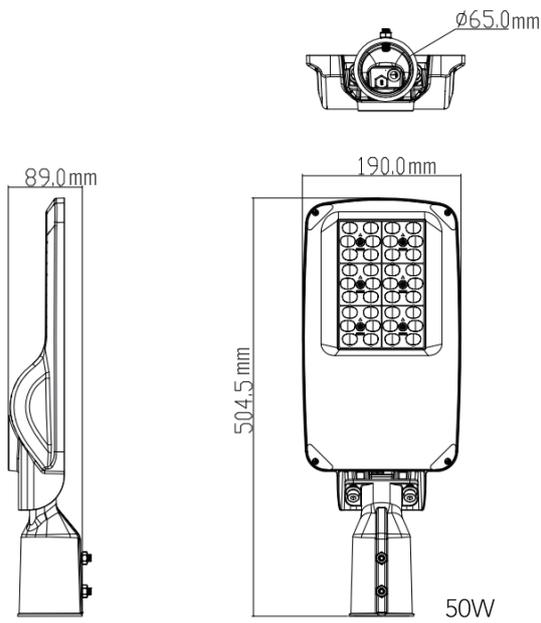
SL09-100W

SL09-50W

A group of economic LED street lighting, with full complete functions and simple and generous modeling, reflects the extraordinary design concept from the ordinary. There are two optical modes: glass cover and module lens. The lamp power range is from 50W to 200W.

### Description

- Die-casting aluminium body, super white tempered glass. Special shape design, it has 4 sizes version options.
- Optical with PC lens with high visual comfortable and uniform lighting distribution, multiple optical distribution options
- High quality LED chips, Driver with 0-10V/DALI/programmed be options, and with surge protection up to 20KV.
- Tool-free replaceable, die-casting fasten for opened device, automatic on/off connector when be open, The body can be detached and replaced easily.
- Top and side fixing, angle can be adjustable, installation pole diameter  $\varnothing 60\text{mm}$ .
- Surface anti-ultraviolet pure polyester powder painting.
- No photo-biological risk, (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.
- Street lighting control system for use with smart LEDs. It can be compatible with remote management system.
- All external screws are in 304 stainless steel.



# SL09

LED Street Light

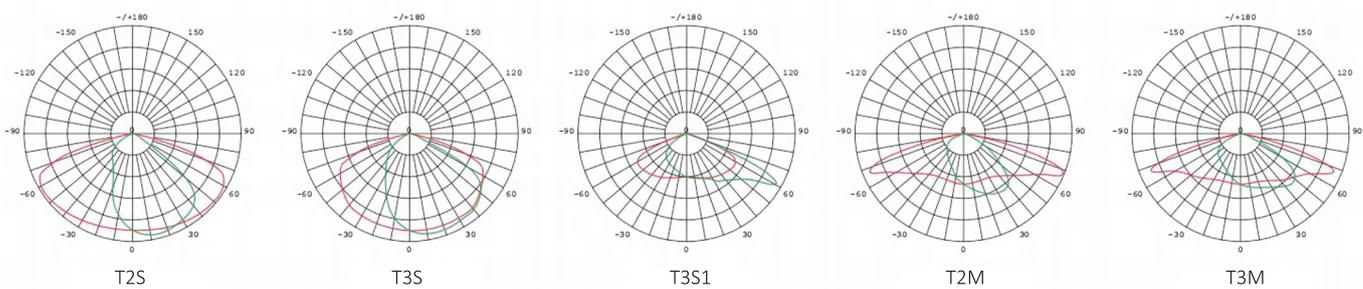


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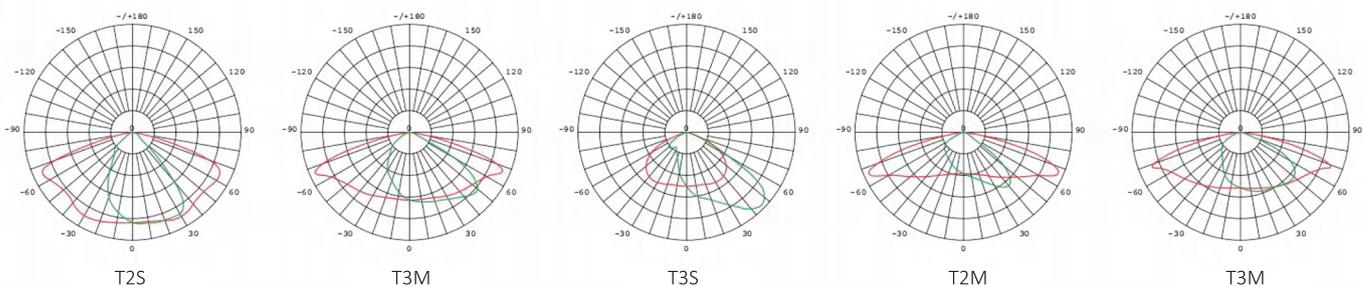
<b>Model No.</b>	SL09-50	SL09-100	SL09-150	SL09-200
<b>Wattage</b>	50W	100W	150W	200W
<b>Light Efficacy</b>	150lm/w	150lm/w	150lm/w	150lm/w
<b>Luminous Flux@4000K</b>	7500lm	15000lm	22500lm	30000lm
<b>CCT (K)</b>	3000K 4000K 5000K 5700K			
<b>Input Voltage</b>	100-277 VAC, 50 / 60 Hz			
<b>CRI</b>	≥70	≥70	≥70	≥70
<b>PF</b>	0.92	0.92	0.92	0.92
<b>Operating Temperature</b>	-30°C to +45°C	-30°C to +45°C	-30°C to +45°C	-30°C to +45°C
<b>Warranty</b>	5 years	5 years	5 years	5 years

## Photometry

### 3030 Version



### 5050 Version





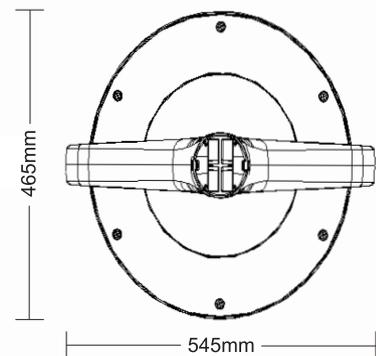
# GL01

LED Garden Light

A classic design led garden lighting. The product power is 30W-100W, equipped with appropriate lens application, it can meet the better lighting requirement of scene application.

## Description

- Dis-casting aluminium body, super white tempered glass.
- Optical with PC lens with high visual comfortable and uniform lighting distribution, multiple optical distribution options.
- High quality LED chips, Driver with 0-10W/DAL/programmed options, and with surge protection up to 10KV.
- Top and side fixing, angle can be adjustable, installation tube diameter  $\Phi 60\text{mm}$ .
- Surface anti-ultraviolet pure polyester powder painting, corrosion resistance can be more than 1000 hours.
- No photo-biological risk, (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471-2008.
- Street lighting control used with smart control technology. It can be compatible with remote management system.
- All external screws are made of 304 stainless steel.



# GL01

LED Garden Light

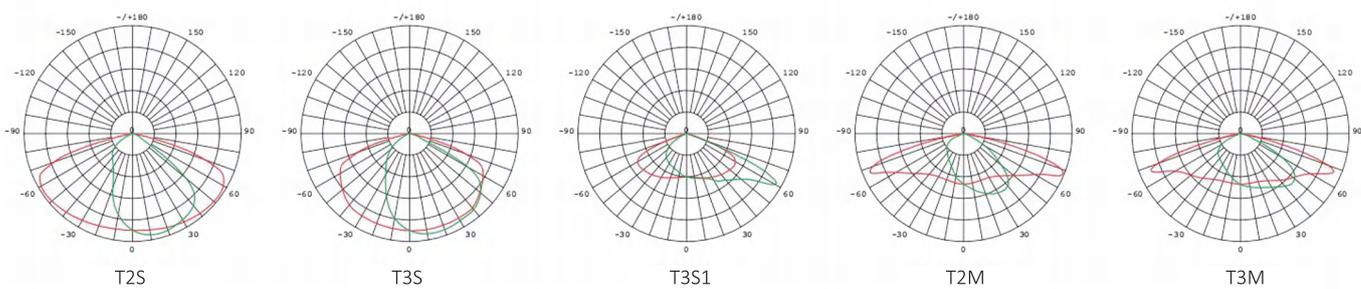


## Technical Data

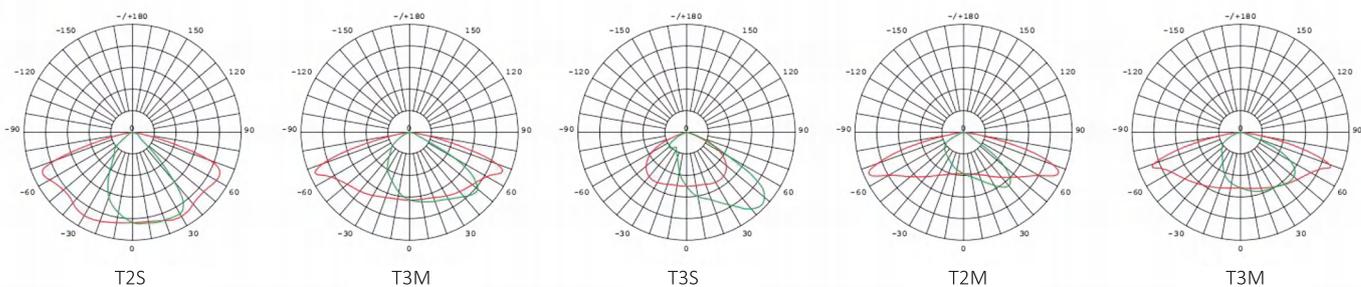
	GL01-30	GL01-50	GL01-80/100
<b>Model No.</b>	GL01-30	GL01-50	GL01-80/100
<b>LED Chips</b>	3030	3030	3030
<b>LED QTY</b>	108	108	144
<b>Wattage</b>	30W	50W	80W/100W
<b>Color Temperature</b>	3000K-6000K	3000K-6000K	3000K-6000K
<b>Input Voltage</b>	AC90-305V 50Hz/60HZ	AC90-305V 50Hz/60HZ	AC90-305V 50Hz/60HZ
<b>PF</b>	0.95	0.95	0.95
<b>Light Efficacy</b>	130 LM/W	130 LM/W	130 LM/W
<b>Luminous Flux@4000K</b>	6000lm	9600lm	12000lm
<b>CRI</b>	≥70	≥70	≥70
<b>Operating</b>	-25°C to + 50°C	-25°C to + 50°C	-25°C to + 50°C
<b>Warranty</b>	5 years	5 years	5 years

## Photometry

### 3030 Version



### 5050 Version





**GL02**  
LED Garden Light



# GL02

LED Garden Light

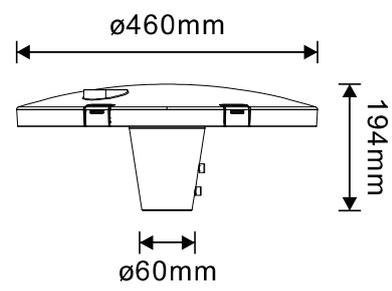
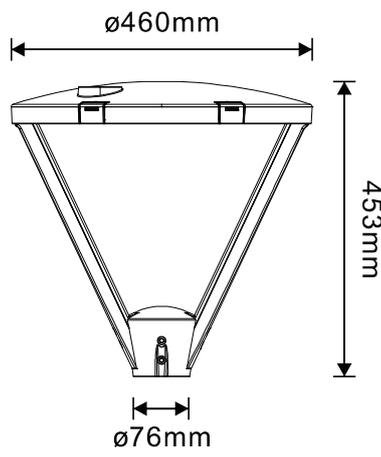
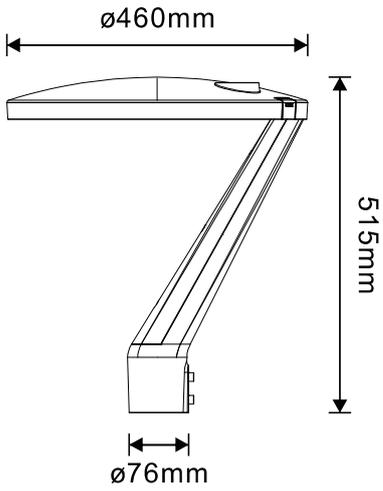


The utility model relates to a courtyard street lighting, which has three different mounting brackets and adjustable angle. It can be used in courtyard, community, pedestrian street and other places. The power range is 40W-100W.

## Description

- Die-casting aluminium body, super white tempered glass, white PC plastic reflector.
- Optical with PC lens with high visual comfortable and uniform lighting distribution, multiple optical distribution options.
- High quality LED chips, Driver with 0-10V/DALI/programmed be options, and with surge protection up to 10KV.
- There are a variety of mounting brackets options, form of different shapes of lighting.
- Top and side fixing, angle can be adjustable, installation pole diameter  $\varnothing 60/\varnothing 76$ mm.
- Surface anti-ultraviolet pure polyester powder painting.
- No photo-biological risk, (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.
- Street lighting control used with smart control technology. It can be compatible with remote management system.
- All external screws are made of 316 stainless steel.





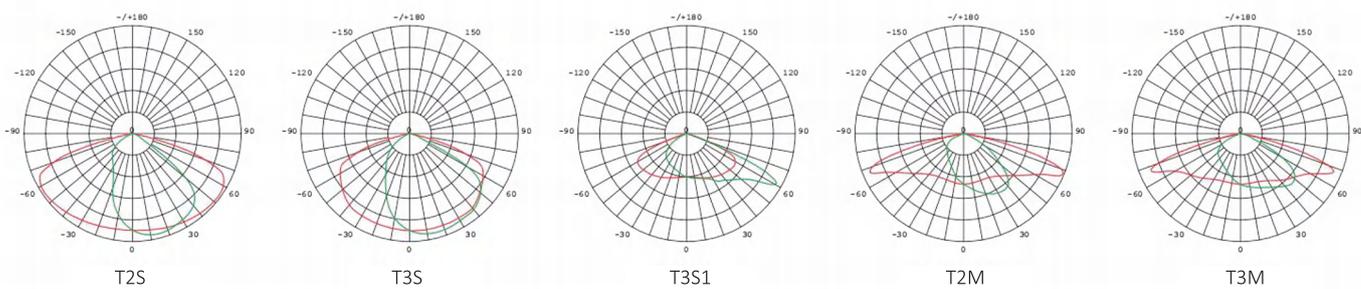


## Technical Data

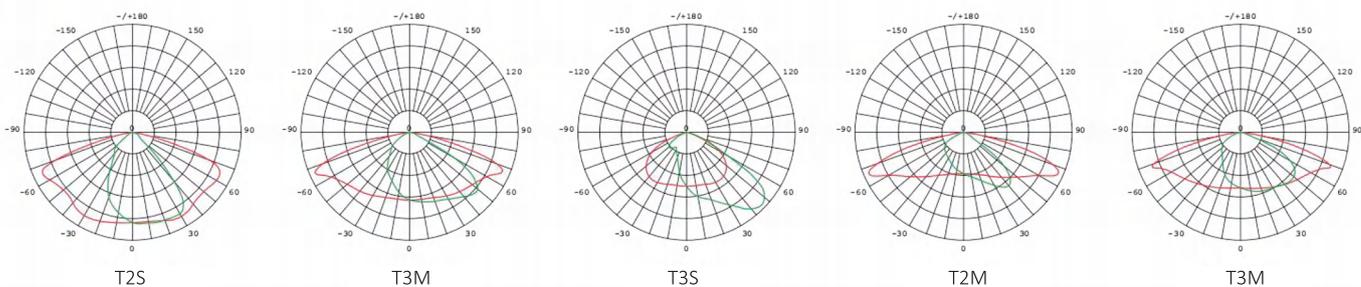
Model No.	GL02-40	GL02-70	GL02-100
<b>LED Chips</b>	SMD3030	SMD3030	SMD3030
<b>Wattage</b>	40/32/24W Selectable	70/56/42W Selectable	100/80/60W Selectable
<b>Color Temperature</b>	3000K/4000K/6500K Selectable	3000K/4000K/6500K Selectable	3000K/4000K/6500K Selectable
<b>Input Voltage</b>	100-277V	100-277V	100-277V
<b>Luminous Flux@4000K</b>	5200lm	9100lm	13000lm
<b>Light Efficacy</b>	130 LM/W	130 LM/W	130 LM/W
<b>Operating Temperature</b>	-30°C to + 50°C	-30°C to + 50°C	-30°C to + 50°C
<b>Warranty</b>	5 years	5 years	5 years
<b>CRI</b>	≥ 80	≥ 80	≥ 80
<b>PF</b>	0.95	0.95	0.95

## Photometry

### 3030 Version



### 5050 Version





High strength aluminum alloy die casting shell. High-performance reach patent potical lens, light transmittance was 95%, no glare. A full set of stainless steel fasteners, convenient installation, free maintenance. Adopted quick plug type electrical connection in design, maintenance more convenient and safe.

### Description

- Designed by a professional team, with patented appearance, up to 4200 lumens.
- A variety of lumen options are suitable for various lighting projects
- A variety of light distribution angles to choose, optimize the lighting effect and reduce the glare value.
- Reliable power supply and chip matching ensure stable operation, waterproof and dustproof grade IP66.
- The whole lighting effect is as high as 70lm/w, which is the leading level in the industry.
- Suitable for intelligent control systems and smart city projects

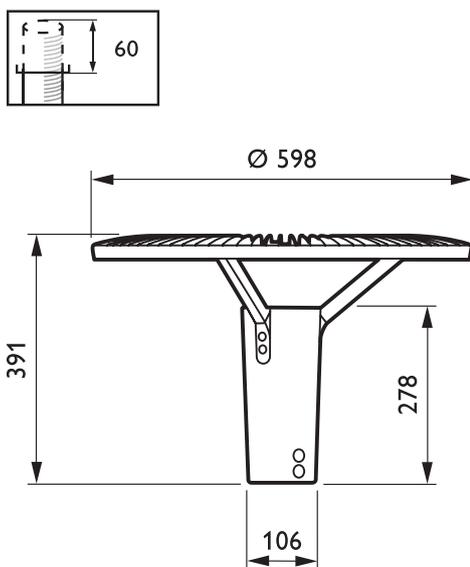
# GL04

LED Garden Light



## Technical Data

Model No.	GL04-30	GL04-40	GL04-50	GL04-60
LED Chips	3030	3030	3030	3030
Wattage	30W	40W	50W	60W
Luminous Flux@4000K	2100Lm	2800Lm	3500Lm	4200Lm
Input Voltage	100-305 VAC, 50 / 60 Hz			
Operating	-25°C~+55°C	-25°C~+55°C	-25°C~+55°C	-25°C~+55°C
Color Temperature	3000K-6500K	3000K-6500K	3000K-6500K	3000K-6500K
Ra	>80	>80	>80	>80
Warranty	5 years	5 years	5 years	5 years





## GL05

LED Garden Light

High strength aluminum alloy die casting shell. High-performance reach patent potical lens, light transmittance was 95%, no glare. A full set of stainless steel fasteners, convenient installation, free maintenance. Adopted quick plug type electrical connection in design, maintenance more convenient and safe.

### Description

- Designed by a professional team, with patented appearance, up to 7200 lumens.
- A variety of lumen options are suitable for various lighting projects
- A variety of light distribution angles to choose, optimize the lighting effect and reduce the glare value.
- Reliable power supply and chip matching ensure stable operation, waterproof and dustproof grade IP66.
- The whole lighting effect is as high as 80lm/w, which is the leading level in the industry.
- Suitable for intelligent control systems and smart city projects



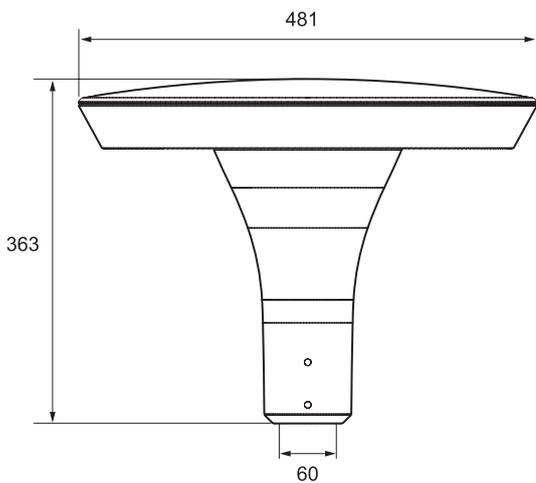
# GL05

LED Garden Light



## Technical Data

<b>Model No.</b>	GL05-50	GL05-90
<b>LED Chips</b>	3030	3030
<b>Wattage</b>	50W	90W
<b>Luminous Flux@4000K</b>	4000Lm	7200Lm
<b>Input Voltage</b>	100-305 VAC, 50 / 60 Hz	100-305 VAC, 50 / 60 Hz
<b>Operating</b>	-25°C~+55°C	-25°C~+55°C
<b>Color Temperature</b>	3000K-6500K	3000K-6500K
<b>Ra</b>	>80	>80
<b>Warranty</b>	5 years	5 years





## GL06

LED Garden Light

High strength aluminum alloy die casting shell. High-performance reach patent potical lens, light transmittance was 95%, no glare. A full set of stainless steel fasteners, convenient installation, free maintenance. Adopted quick plug type electrical connection in design, maintenance more convenient and safe.

### Description

- Designed by a professional team, with patented appearance, up to 8000 lumens.
- A variety of lumen options are suitable for various lighting projects
- A variety of light distribution angles to choose, optimize the lighting effect and reduce the glare value.
- Reliable power supply and chip matching ensure stable operation, waterproof and dustproof grade IP66.
- The whole lighting effect is as high as 80lm/w, which is the leading level in the industry.
- Suitable for intelligent control systems and smart city projects



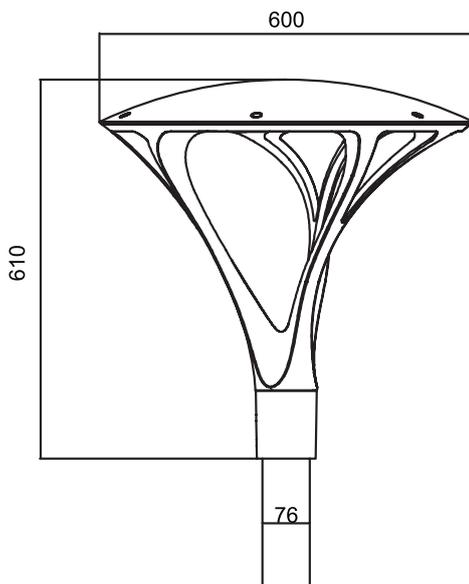
# GL06

LED Garden Light



## Technical Data

<b>Model No.</b>	GL06-30	GL06-50	GL06-70	GL06-90	GL06-100
<b>LED Chips</b>	3030	3030	3030	3030	3030
<b>Wattage</b>	30W	50W	70W	90W	100W
<b>Luminous Flux@4000K</b>	2400Lm	4000Lm	5600Lm	7200Lm	8000Lm
<b>Input Voltage</b>	90-305 VAC, 50 / 60 Hz				
<b>Operating</b>	-25°C~+55°C	-25°C~+55°C	-25°C~+55°C	-25°C~+55°C	-25°C~+55°C
<b>Color Temperature</b>	2700K-6500K	2700K-6500K	2700K-6500K	2700K-6500K	2700K-6500K
<b>Ra</b>	>80	>80	>80	>80	>80
<b>Warranty</b>	5 years				





## GL07

LED Garden Light

High strength aluminum alloy die casting shell. High-performance reach patent potical lens, light transmittance was 95%, no glare. A full set of stainless steel fasteners, convenient installation, free maintenance. Adopted quick plug type electrical connection in design, maintenance more convenient and safe.

### Description

- Designed by a professional team, with patented appearance, up to 6600 lumens.
- A variety of lumen options are suitable for various lighting projects
- A variety of light distribution angles to choose, optimize the lighting effect and reduce the glare value.
- Reliable power supply and chip matching ensure stable operation, waterproof and dustproof grade IP66.
- The whole lighting effect is as high as 110lm/w, which is the leading level in the industry.
- Suitable for intelligent control systems and smart city projects



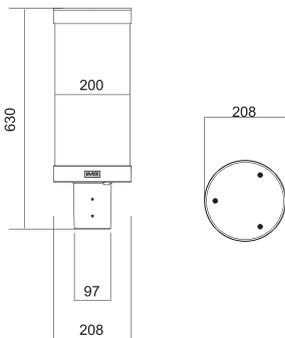
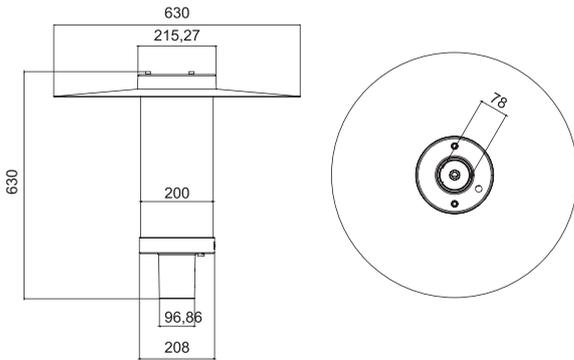
# GL07

LED Garden Light



## Technical Data

Model No.	GL07-30	GL07-40	GL07-50	GL07-60
LED Chips	3030	3030	3030	3030
Wattage	30W	40W	50W	60W
Luminous Flux@4000K	3300Lm	4400Lm	5500Lm	6600Lm
Input Voltage	100-305 VAC, 50 / 60 Hz			
Operating	-25°C ~ +55°C	-25°C ~ +55°C	-25°C ~ +55°C	-25°C ~ +55°C
Color Temperature	3000K-6500K	3000K-6500K	3000K-6500K	3000K-6500K
Ra	>80	>80	>80	>80
Warranty	5 years	5 years	5 years	5 years





# GL08

LED Garden Light

High strength aluminum alloy die casting shell. High-performance reach patent potical lens, light transmittance was 95%, no glare. A full set of stainless steel fasteners, convenient installation, free maintenance. Adopted quick plug type electrical connection in design, maintenance more convenient and safe.

## Description

- Designed by a professional team, with patented appearance, up to 3600 lumens.
- A variety of lumen options are suitable for various lighting projects
- A variety of light distribution angles to choose, optimize the lighting effect and reduce the glare value.
- Reliable power supply and chip matching ensure stable operation, waterproof and dustproof grade IP66.
- The whole lighting effect is as high as 60lm/w, which is the leading level in the industry.
- Suitable for intelligent control systems and smart city projects



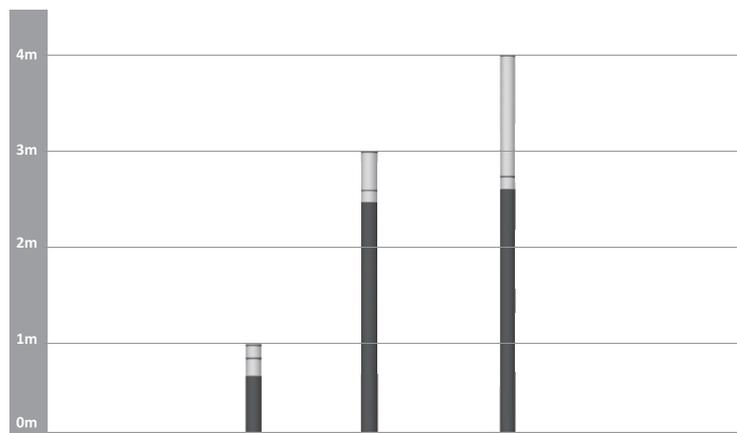
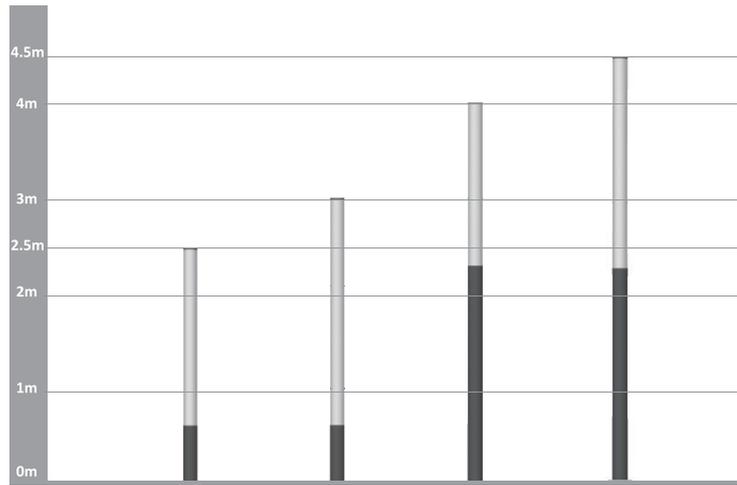
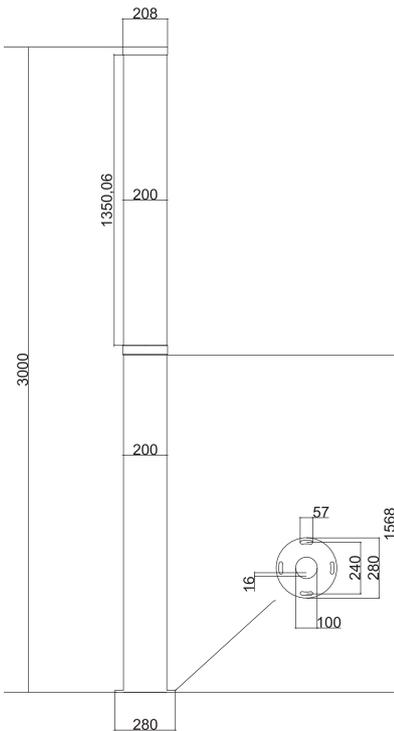
# GL08

LED Garden Light



## Technical Data

Model No.	GL08-30	GL08-40	GL08-50	GL08-60
<b>LED Chips</b>	3030	3030	3030	3030
<b>Wattage</b>	30W	40W	50W	60W
<b>Luminous Flux@4000K</b>	1800Lm	2400Lm	3000Lm	3600Lm
<b>Input Voltage</b>	100-305 VAC, 50 / 60 Hz			
<b>Operating</b>	-25°C ~ +55°C	-25°C ~ +55°C	-25°C ~ +55°C	-25°C ~ +55°C
<b>Color Temperature</b>	3000K-6500K	3000K-6500K	3000K-6500K	3000K-6500K
<b>Ra</b>	>80	>80	>80	>80
<b>Warranty</b>	5 years	5 years	5 years	5 years

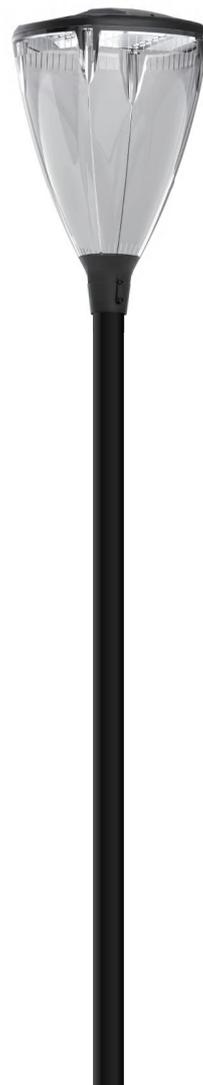




High strength aluminum alloy die casting shell. High-performance reach patent potical lens, light transmittance was 95%, no glare. A full set of stainless steel fasteners, convenient installation, free maintenance. Adopted quick plug type electrical connection in design, maintenance more convenient and safe.

## Description

- Designed by a professional team, with patented appearance, up to 9000 lumens.
- A variety of lumen options are suitable for various lighting projects
- A variety of light distribution angles to choose, optimize the lighting effect and reduce the glare value.
- Reliable power supply and chip matching ensure stable operation, waterproof and dustproof grade IP66.
- The whole lighting effect is as high as 90lm/w, which is the leading level in the industry.
- Suitable for intelligent control systems and smart city projects



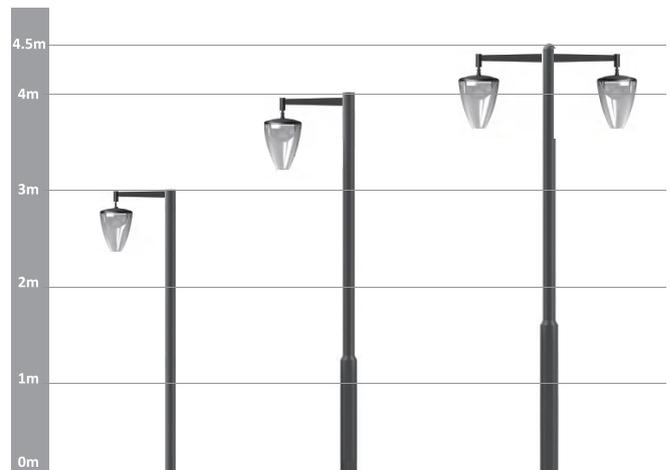
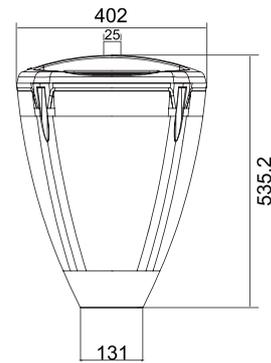
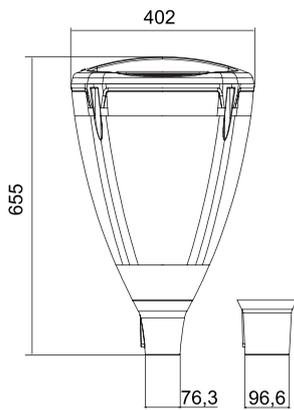
# GL09

LED Garden Light



## Technical Data

Model No.	GL09-50	GL09-75	GL09-100
LED Chips	3030	3030	3030
Wattage	50W	75W	100W
Luminous Flux@4000K	4500Lm	6750Lm	9000Lm
Input Voltage	100-305 VAC, 50 / 60 Hz	100-305 VAC, 50 / 60 Hz	100-305 VAC, 50 / 60 Hz
Operating	-25°C~+55°C	-25°C~+55°C	-25°C~+55°C
Color Temperature	3000K-6500K	3000K-6500K	3000K-6500K
Ra	>80	>80	>80
Warranty	5 years	5 years	5 years





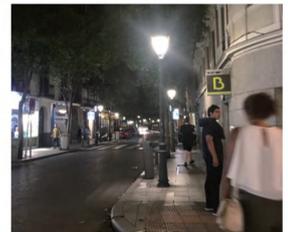
A modern design of classic LED garden lighting, which with different luminous surface to achieve different effects. It can be widely used in square, courtyards, residential areas, park, community and other places.

### Description

- Historical shape
- Energy-efficient luminaire
- Variety of mounting options: luminaire can be combined with different columns, brackets and multiple-arm brackets.

### Application:

- Main urban roads and streets
- Side and residential roads and streets
- City centers and historical areas
- Cycle and pedestrian paths
- Parking areas
- Squares, parks and playgrounds



# GL10

LED Garden Light

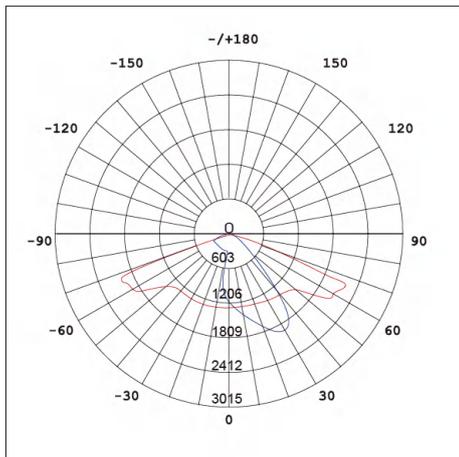


## Technical Data

<b>Model No.</b>	GL10-30	GL10-50	GL10-100
<b>LED Chips</b>	3030	3030	3030
<b>Wattage</b>	30W	50W	100W
<b>Light Efficacy</b>	110-140lm/W	110-140lm/W	110-140lm/W
<b>Luminous Flux@4000K</b>	4500lm	9000lm	13500lm
<b>Color Temperature</b>	3000K-6000K	3000K-6000K	3000K-6000K
<b>Input Voltage</b>	100-277 VAC, 50 / 60 Hz	100-277 VAC, 50 / 60 Hz	100-277 VAC, 50 / 60 Hz
<b>CRI</b>	≥70	≥70	≥70
<b>PF</b>	0.92	0.92	0.92
<b>Operating</b>	-30°C to + 50°C	-30°C to + 50°C	-30°C to + 50°C
<b>Warranty</b>	5 years	5 years	5 years



## Photometry



## Description

- Aluminum die casting cover, extruded aluminum body, it can be cut different height.
- High transparent PC diffuser, it can effectively prevent yellowing and aging.
- Indirect light luminaire for use with led, which has high visual comfortable.
- High quality LED chips, Driver with 0-10V/DALI/programmed options.
- Surface anti-ultraviolet pure polyester powder painting, Corrosion resistance can be more than 1000 hours.
- The maximum surface temperature of all accessible part under 50 degrees for safety and reliable.



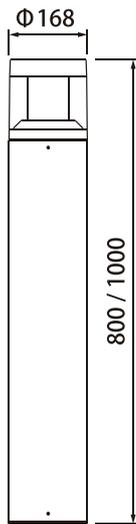
# BL03

LED Bollard Light

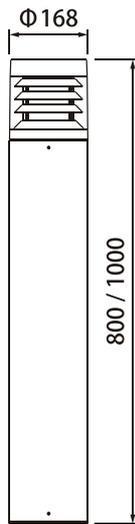


## Technical Data

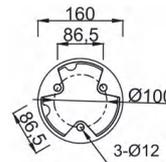
Model No.	BL03A-H80	BL03A-H100	BL03B-H80	BL03B-H100
LED Chips	2835	2835	2835	2835
Wattage	25W	25W	25W	25W
LED Qty	132	132	144	144
Input Voltage	100-240 VAC, 50 / 60 Hz			



BL03A



BL03B

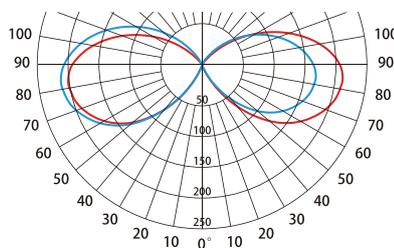
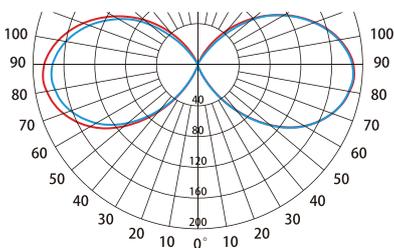


## More in family



With Flange Version.

## Photometry



## Accessories options

-  Terminal Box
-  Anchor Bolts
-  Anchor



## BL05

LED Bollard Light

### Description

- Aluminum die casting cover, extruded aluminum body, it can be cut different height.
- High transparent PC diffuser, it can effectively prevent yellowing and aging.
- Indirect light luminaire for use with led, which has high visual comfortable.
- High quality LED chips, Driver with 0-10V/DALI/programmed options.
- Surface anti-ultraviolet pure polyester powder painting, Corrosion resistance can be more than 1000 hours.
- The maximum surface temperature of all accessible part under 50 degrees for safety and reliable.



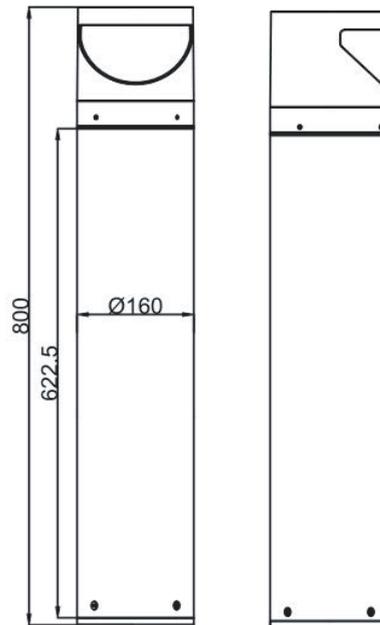
# BL05

LED Bollard Light



## Technical Data

<b>Model No.</b>	BL05-10	BL05-20
<b>Wattage</b>	10W	20W
<b>Body Materials</b>	ADC12+PC Lens+Glass	ADC12+PC Lens+Glass
<b>Operating</b>	-30°C to + 60°C	-30°C to + 60°C
<b>Warranty</b>	5 years	5 years



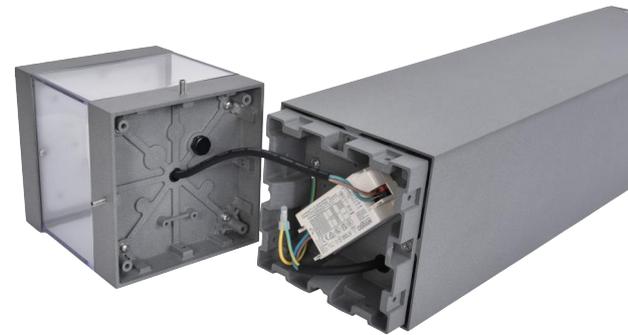


## BL06

LED Bollard Light

### Description

- Aluminum die casting cover, extruded aluminum body, it can be cut different height.
- High transparent PC diffuser, it can effectively prevent yellowing and aging.
- Indirect light luminaire for use with led, which has high visual comfortable.
- High quality LED chips, Driver with 0-10V/DALI/programmed options.
- Surface anti-ultraviolet pure polyester powder painting, Corrosion resistance can be more than 1000 hours.
- The maximum surface temperature of all accessible part under 50 degrees for safety and reliable.



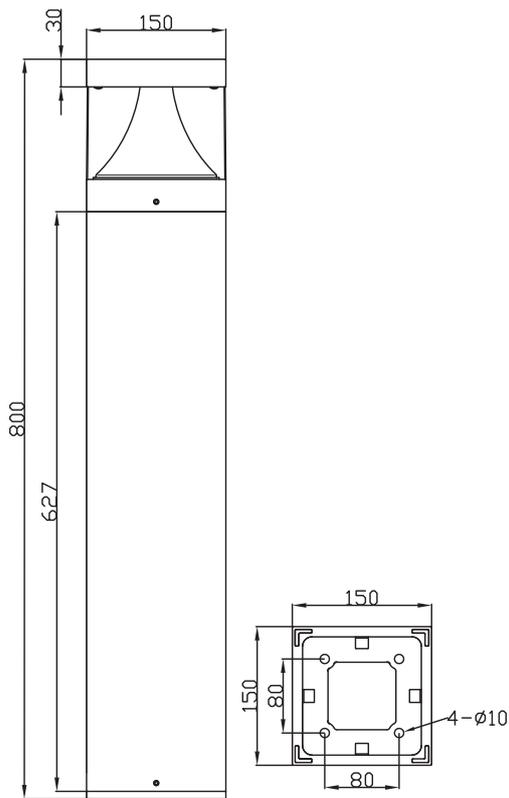
# BL06

LED Bollard Light



## Technical Data

<b>Model No.</b>	BL06-10	BL06-20
<b>Wattage</b>	10W	20W
<b>Body Materials</b>	ADC12+PC Lens+Glass	ADC12+PC Lens+Glass
<b>Operating</b>	-30°C to + 60°C	-30°C to + 60°C
<b>Warranty</b>	5 years	5 years





## Description

- Aluminum die casting cover ,simple and practical shape.
- High transparent PC diffuser, It can effectively prevent yellowing and aging
- Indirect light luminaire for use with led, which has high visual comfort.
- High quality LED chips, Driver with 0~10V /DALI/P programmed options.
- Surface anti-ultraviolet pure polyester power painting.
- No photo-biological risk in accordance with EN62471:2008.
- The maximum surface temperature of all accessible part under 50 degrees for safety and reliable.



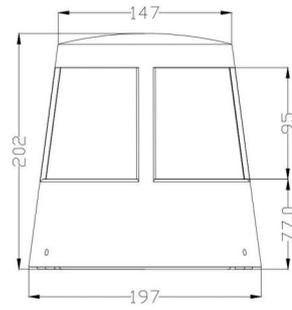
# BL07

LED Bollard Light



## Technical Data

<b>Model No.</b>	BL07-10	BL07-20
<b>Wattage</b>	10W	20W
<b>Body Materials</b>	ADC12+PC Lens+Glass	ADC12+PC Lens+Glass
<b>Operating</b>	-30°C to + 60°C	-30°C to + 60°C
<b>Warranty</b>	5 years	5 years





# CL01

Sports Light



# CL01

Sports Light



## Product Features

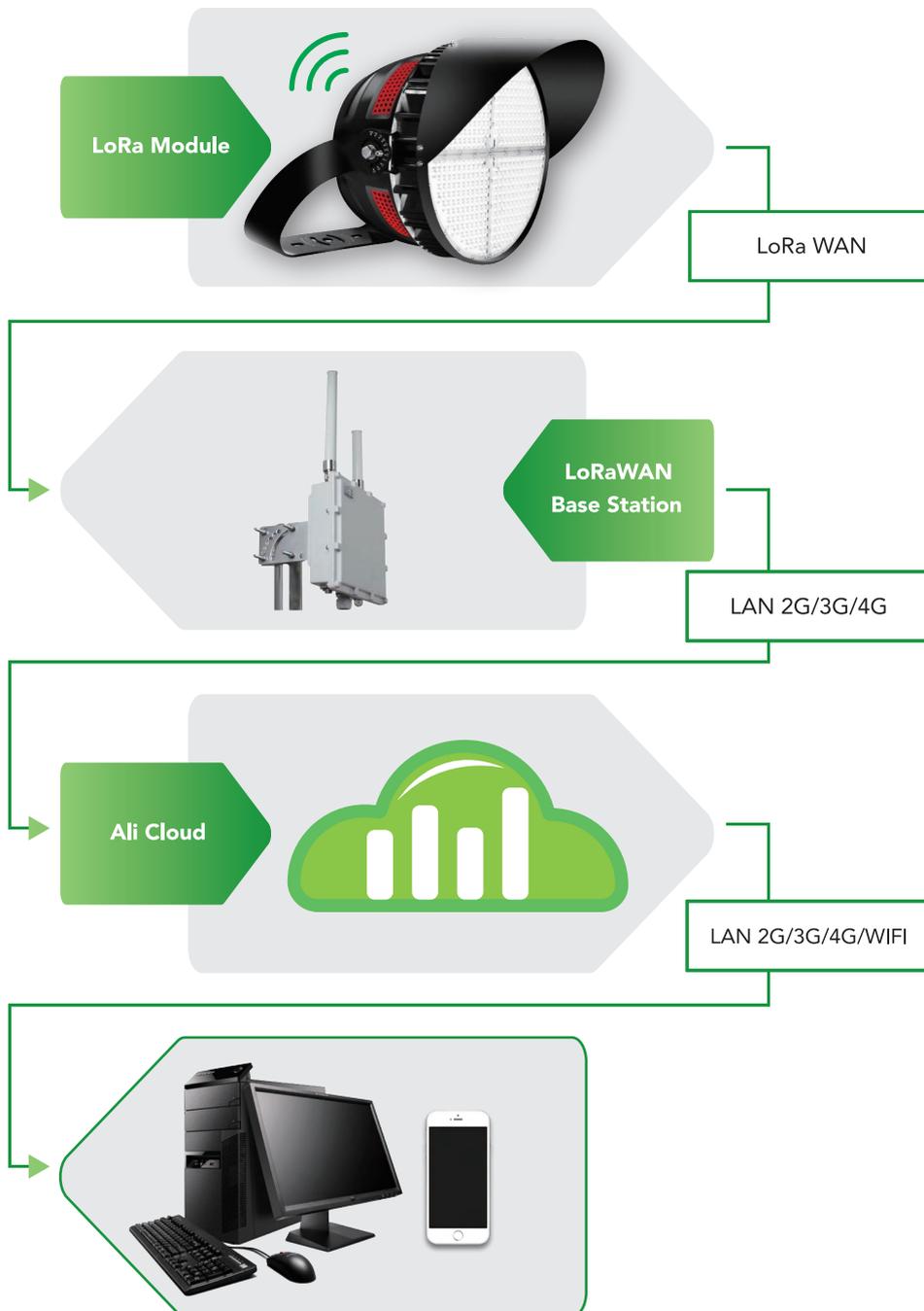
- Housing: integrated fin cooling heatsink design, greatly reduces thermal density and LED junction temperature. UV resistance and stabilized powder coated finish in pretty appearance.
- Optical Lens: High light transmittance PC, anti-UV and fire resistant, beam angle 10°/30° for FLL800, 10°/15°/25°/40°/80° for FLL810.
- Lightsource: High efficiency up to 140lm/w, Energy savings up to 60% over traditional HID sources for labor and material.
- Driver: 120-277 or 347-480V 50/60Hz, PF  $\geq$  0.9; THD < 20%; 0-10V dimming options compatible with all.
- Certificate: CE/CB/ROHS.
- Lumileds or OSRAM chip and name brand driver @ 5 year warranty.



## Applications

- For sports court
- For Billboard lighting
- Exhibition Center
- Shopping Mall
- Accent lighting
- Parking lots





### Wireless Control System

- 1, Control Individual Luminaire & groups of Luminaires.
- 2, ON/OFF Control, 0-10V Dimming, Set up time of ON/OFF
- 3, Easy Commissioning - On-site or Remotely
- 4, Collect and record Data of Power Consumption, Current and Voltage
- 5, Cloud Platform allows for Multiple Sites to be Managed in a Single User Interface
- 6, Limitless Flexibility and Customization, Control from your Laptop, Tablet or a Smartphone.
- 7, High interference, Strong signal transmission
- 8, Wide coverage(2-15km)

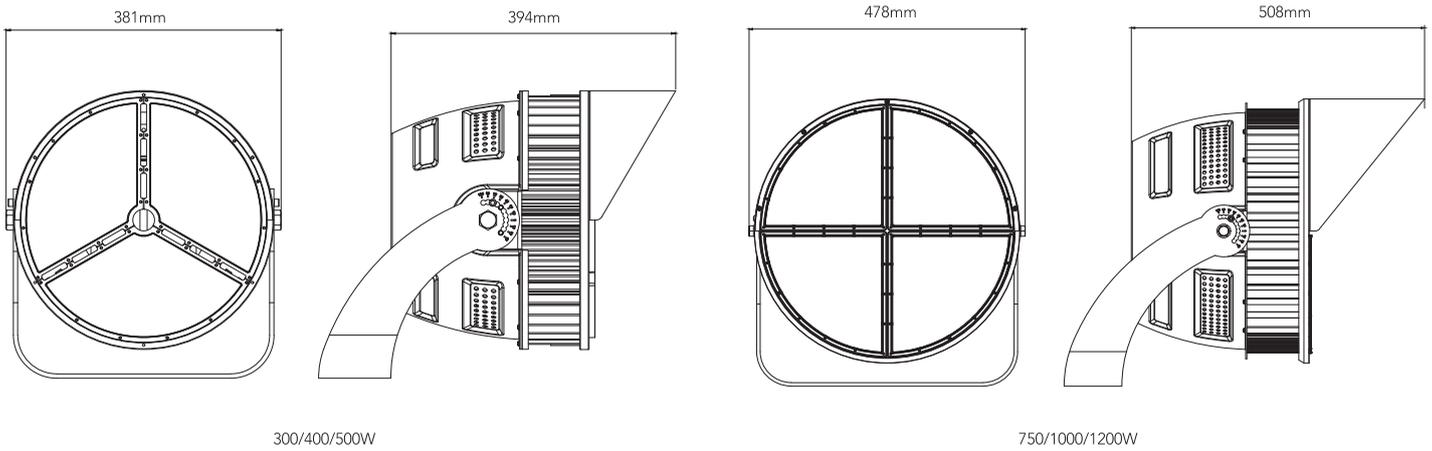
# CL01

Sports Light

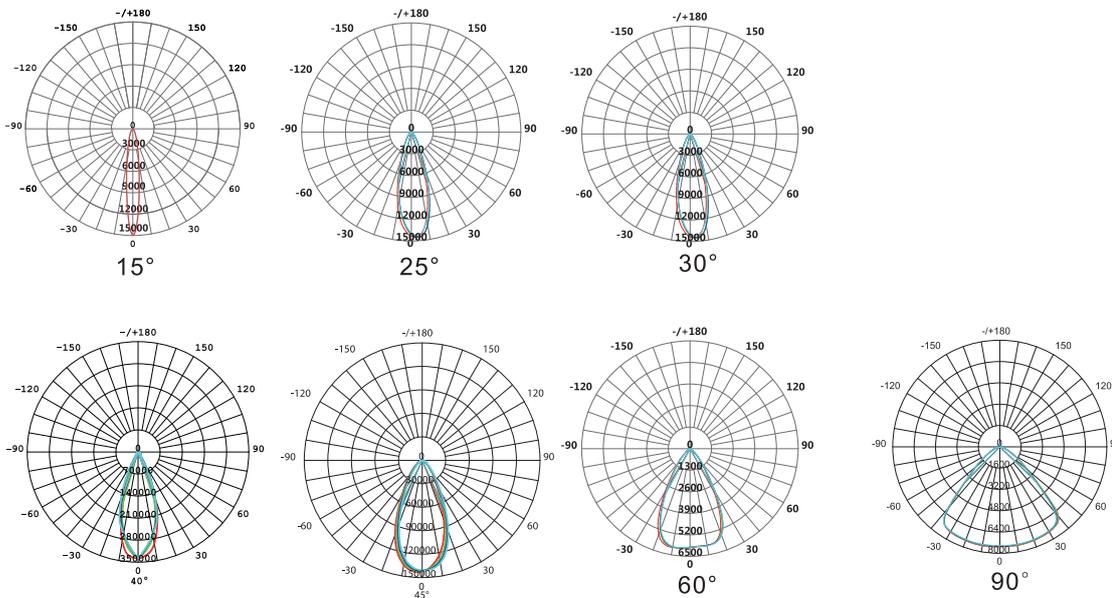


## Technical Data

Model No.	CL01-300	CL01-400	CL01-500	CL01-750	CL01-1000	CL01-1250
<b>Wattage</b>	300W	400W	500W	750W	1000W	1250W
<b>Luminous Flux@4000K</b>	42000 Lm	56000 Lm	70000 Lm	105000 Lm	140000 Lm	175000 Lm
<b>Light source</b>	OSRAM/CREE	OSRAM/CREE	OSRAM/CREE	OSRAM/CREE	OSRAM/CREE	OSRAM/CREE
<b>Operating</b>	10°/30°	10°/30°	10°/30°	10°/ 15°/25°/40°/80°	10°/ 15°/25°/40°/80°	10°/ 15°/25°/40°/80°
<b>EPA</b>	1.32 ft2	1.32 ft2	1.32 ft2	1.98 ft2	1.98 ft2	1.98 ft2
<b>Color Temperature</b>	3000K/4000K/5000K/ 5700K/6500K	3000K/4000K/5000K/ 5700K/6500K	3000K/4000K/5000K/ 5700K/6500K	3000K/4000K/5000K/ 5700K/6500K	3000K/4000K/5000K/ 5700K/6500K	3000K/4000K/5000K/ 5700K/6500K
<b>Driver</b>	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell
<b>Input Voltage</b>	100-277V / 347-480V					
<b>Power Factor</b>	0.93	0.93	0.93	0.93	0.93	0.93
<b>Surge Protectin</b>	20KV Current Surge					
<b>Dimming control</b>	0-10V/DMX/DALI	0-10V/DMX/DALI	0-10V/DMX/DALI	0-10V/DMX/DALI	0-10V/DMX/DALI	0-10V/DMX/DALI



## Photometry





**CL02**  
Sports Light



# CL02

Sports Light



## Description

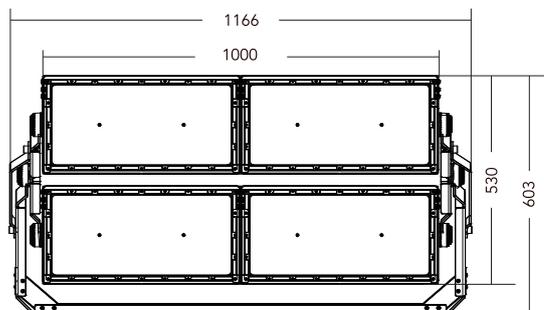
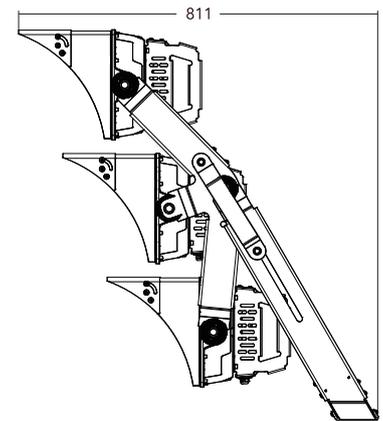
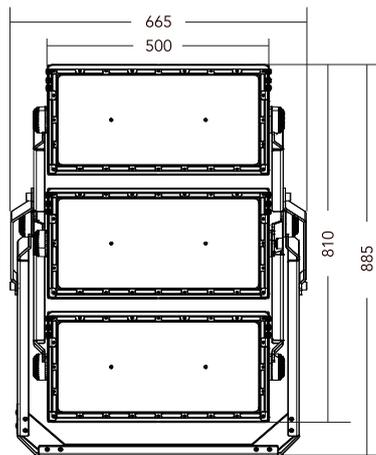
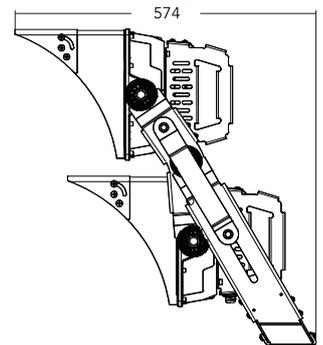
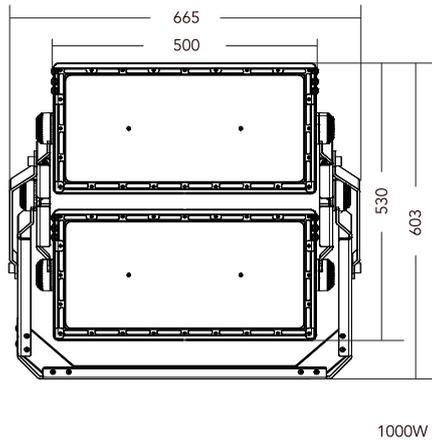
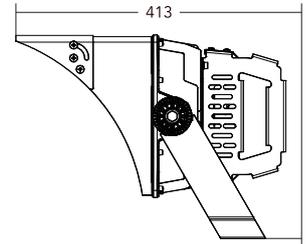
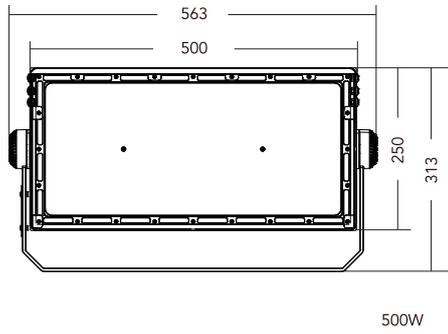
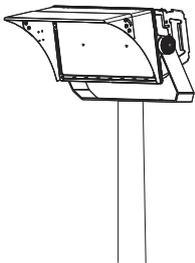
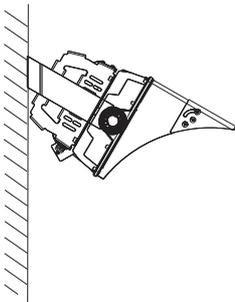
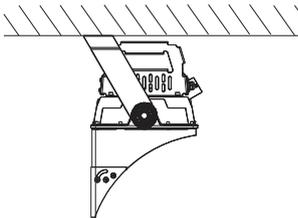
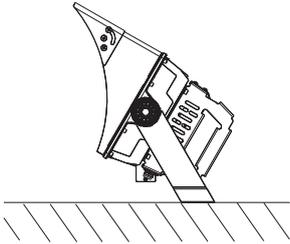
LED flood light series mainly designed for Area lighting, Sports lighting, high-mast lighting. Full power rangers and symmetric beam angles to satisfy the most applications need. The power supply can be built-in/external. Also offers high wattage for stadium and golf. The waterproof performance of the lamp is IP65, suitable for outdoor large venues such as stadiums, docks and airports.

## Features

- For better control of the lighting area, it has a hood cut-off function, which can be rotated from 0° to 35°.
- The back of the product is equipped with handle for easy installation.
- Sosen or Meanwell power supply, safe, reliable and trouble free.
- IP65 protection, super high waterproof and dust-proof grade.



**Mounting Options**

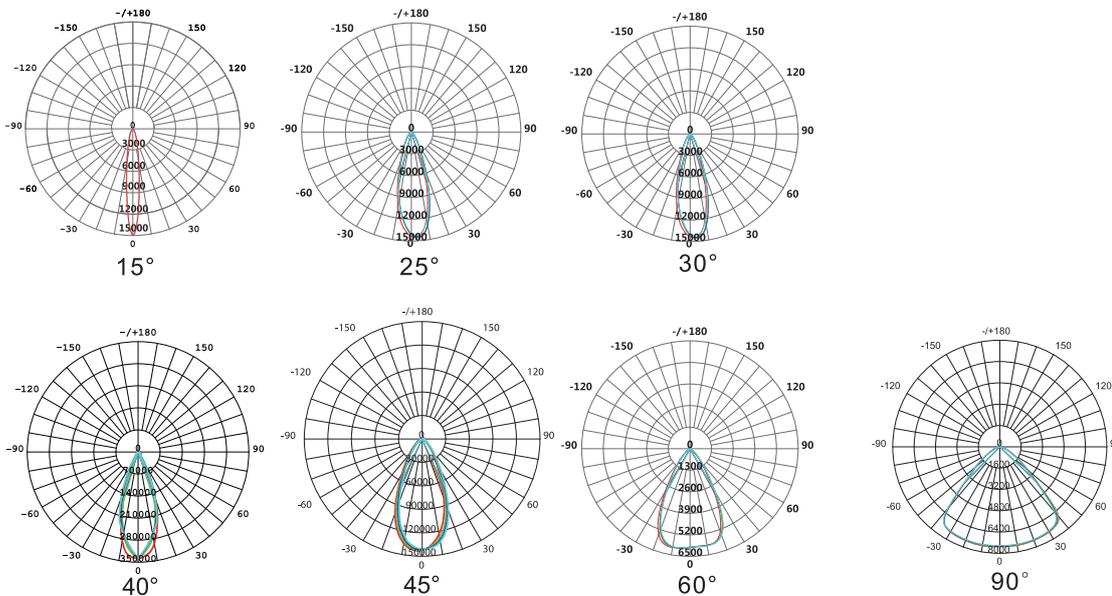




## Technical Data

Model No.	CL02-500W	CL02-1000W	CL02-1500W	CL02-2000W
<b>Input Voltage</b>	AC100-277V	AC100-277V	AC100-277V	AC100-277V
<b>Wattage</b>	500W	1000W	1500W	2000W
<b>Efficiency (lm/W)</b>	135lm/W	135lm/W	135lm/W	135lm/W
<b>Lumen Output (lm)</b>	67500lm	135000lm	202500lm	270000lm
<b>PF</b>	0.9	0.9	0.9	0.9
<b>Optical angle</b>	15° 30° 45° 60° 90°	15° 30° 45° 60° 90°	15° 30° 45° 60° 90°	15° 30° 45° 60° 90°
<b>LED</b>	5050	5050	5050	5050
<b>Color Temperature</b>	3000K 4000K 5000K 5700K			
<b>Ra</b>	≥70	≥70	≥70	≥70
<b>LED Driver</b>	Sosen/Meanwell	Sosen/Meanwell	Sosen/Meanwell	Sosen/Meanwell
<b>Working Temperature</b>	-40°C~+55°C	-40°C~+55°C	-40°C~+55°C	-40°C~+55°C
<b>LED lifetime (h)</b>	>50,000	>50,000	>50,000	>50,000

## Photometry





# FL08

HiSpot LED Flood Light



50/100W



150/200/240W



300W

## Description

Innovation design and asymmetric optics by the market's favorite. UP to 165lm/W@45,000lm, more than 6 kinds of professional light distribution, almost all applications covered, like recreational sports, area lighting...etc. U type bracket and pole mounting bracket make it installation quick and easy. Definitely a classic floodlight, HiSpot is an impeccable choice to expand the industrial lighting business.

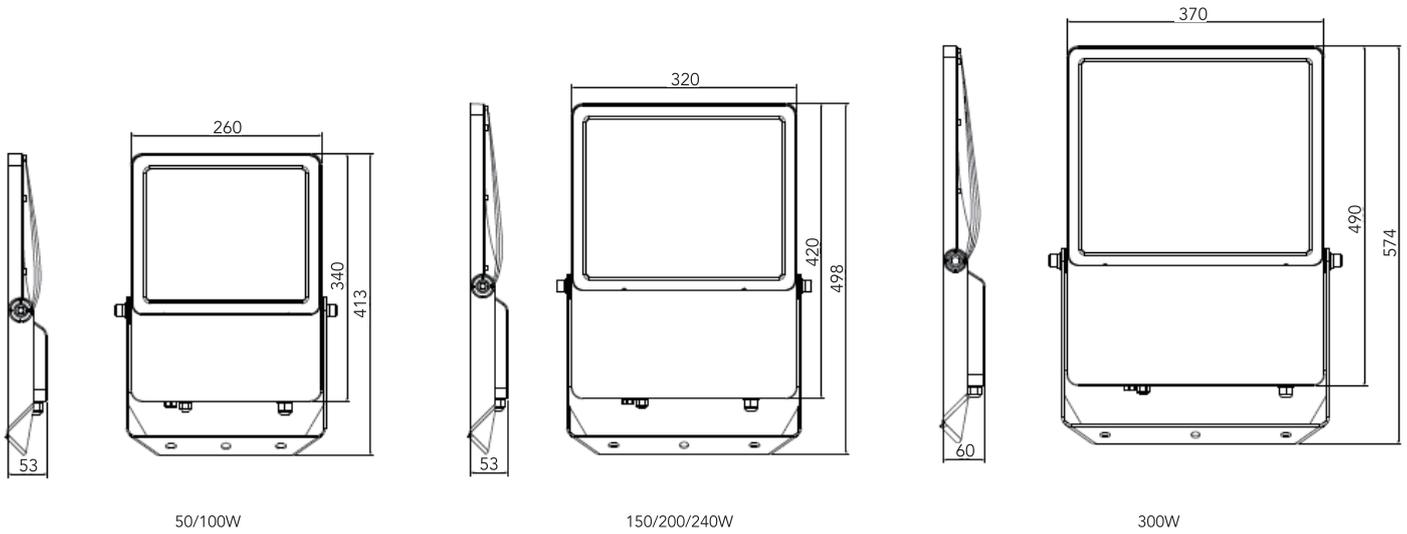
## Key Features

- 3 sizes cover 50W to 300W, ideal for stock, distribution.
- Multiples optics to suit all sports and floodlighting applications.
- High lumen output 165lm/w.
- Easy to maintain with buckle design.
- External vent, avoid internal fogging and frosting.

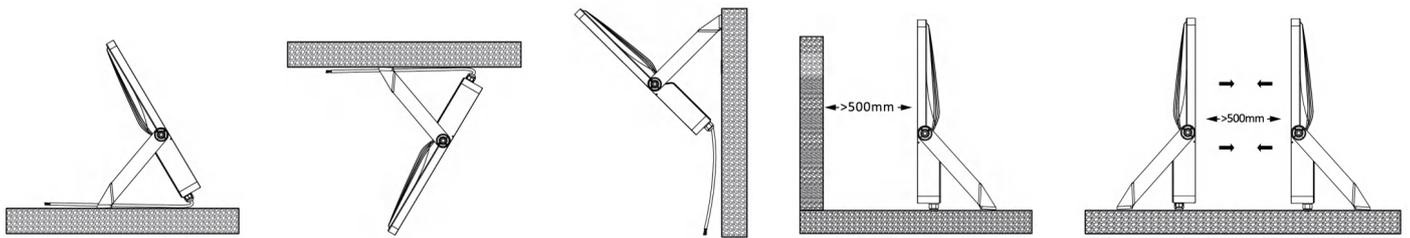
## Applications

- Recreational sports
- Parking lots
- Roundabout
- Billboard lighting
- Building facades
- Other area lighting applications

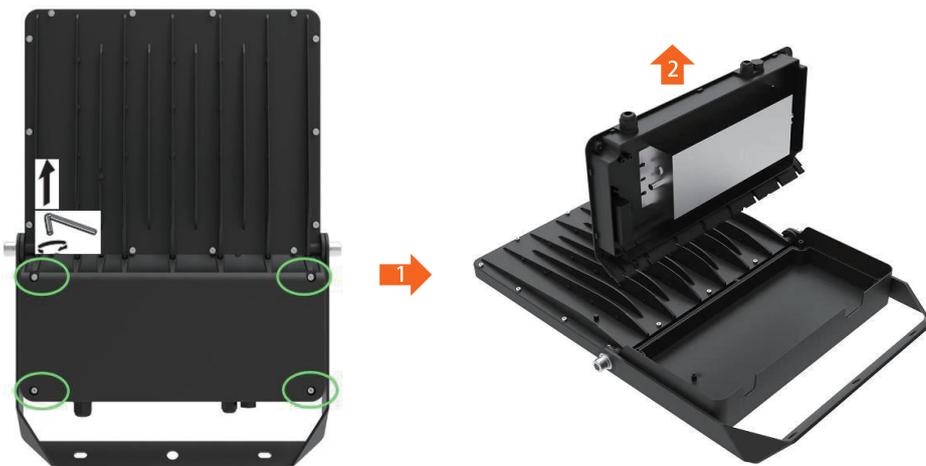




### Mounting Options



### Further benefit of this product – easy maintenance



whole part can be take off  
LED driver replaceable  
SPD replaceable

# FL08

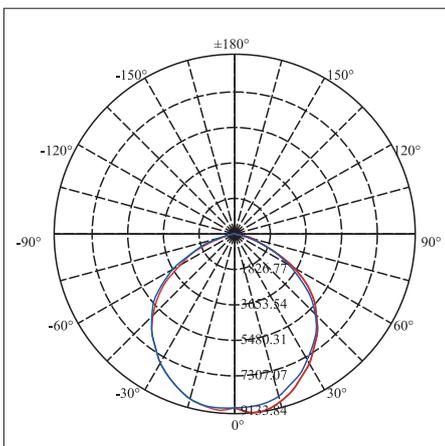
HiSpot LED Flood Light



## Technical Data

<b>Model No.</b>	FL08-50	FL08-100	FL08-150	FL08-200	FL08-240	FL08-300
<b>Wattage</b>	50W	100W	150W	200W	240W	300W
<b>Input Voltage</b>	100-240 VAC, 50 / 60 Hz					
<b>Power Factor</b>	≥ 0.95	≥ 0.95	≥ 0.95	≥ 0.95	≥ 0.95	≥ 0.95
<b>Beam Angle</b>	60°, 65°*120°, 50°*120°	60°, 65°*120°, 50°*120°	60°, 65°*120°, 50°*120°	60°, 65°*120°, 50°*120°	60°, 65°*120°, 50°*120°	60°, 65°*120°, 50°*120°
<b>LED driver</b>	Non-isolated ,Isolated / DALI compatible (optional)					
<b>LED Chips</b>	2835/3030	2835/3030	2835/3030	2835/3030	2835/3030	2835/3030
<b>Luminous Flux@4000K</b>	8250LM	16500LM	24750LM	33000LM	39600LM	49500LM
<b>Light Efficacy</b>	165 LM/W					
<b>Operating</b>	-30°C to + 50°C					
<b>Warranty</b>	5 years					

## Photometry





# FL09

HiSpot LED Flood Light



# FL09

HiSpot LED Flood Light



## Description

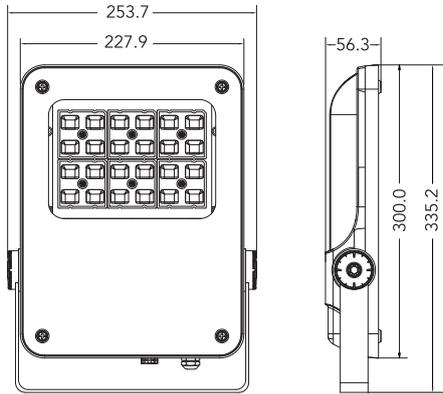
Innovation design and asymmetric optics by the market's favorite. UP to 130lm/W@39,000lm, more than 6 kinds of professional light distribution, almost all applications covered, like recreational sports, area lighting...etc. U type bracket and pole mounting bracket make it installation quick and easy. Definitely a classic floodlight, HiSpot is an impeccable choice to expand the industrial lighting business.

## Key Features

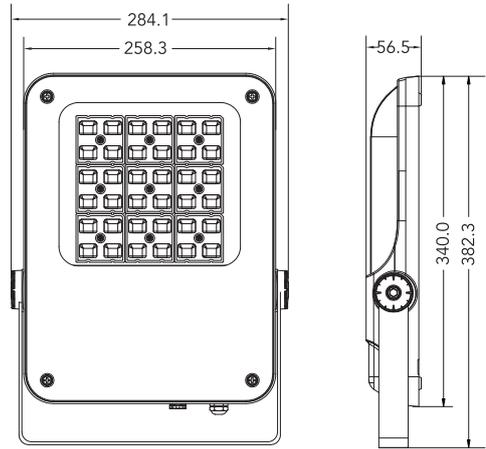
- 3 sizes cover 50W to 300W, ideal for stock, distribution.
- Multiples optics to suit all sports and floodlighting applications.
- High lumen output 130lm/w.
- Easy to maintain with buckle design.
- External vent, avoid internal fogging and frosting.

## Applications

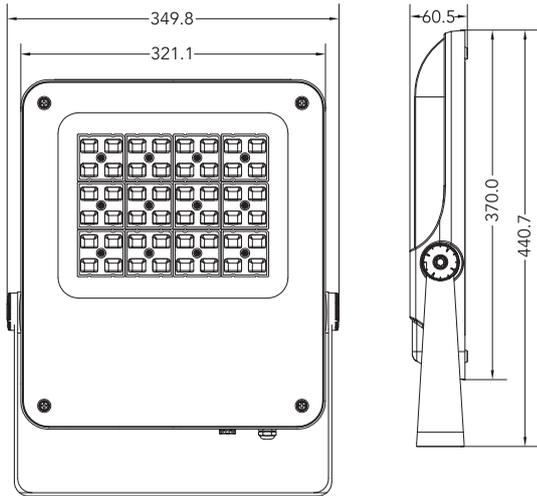
- Recreational sports
- Parking lots
- Roundabout
- Billboard lighting
- Building facades
- Other area lighting applications



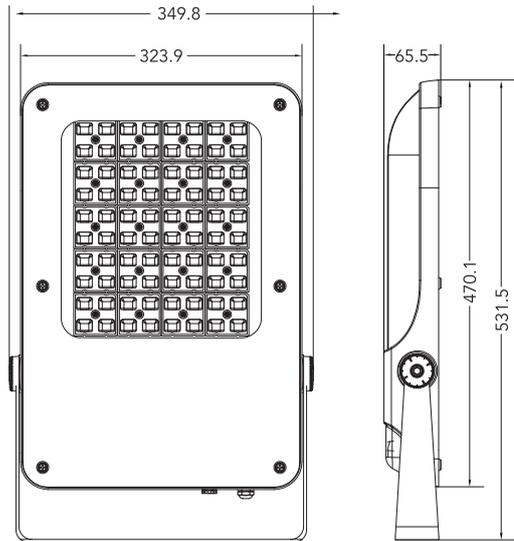
50/80W



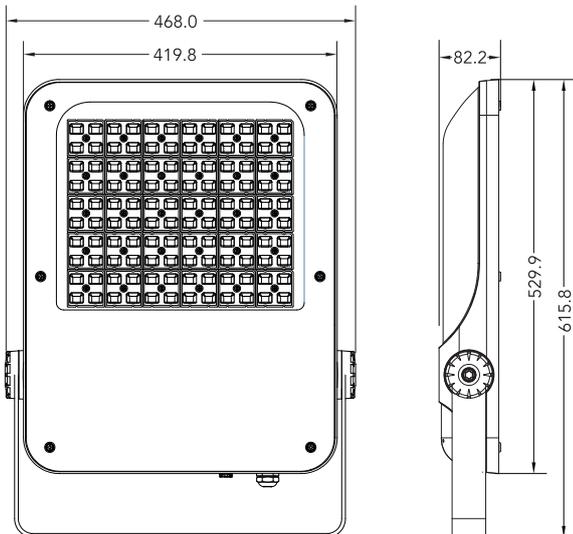
100W



150W



200W



300W

# FL09

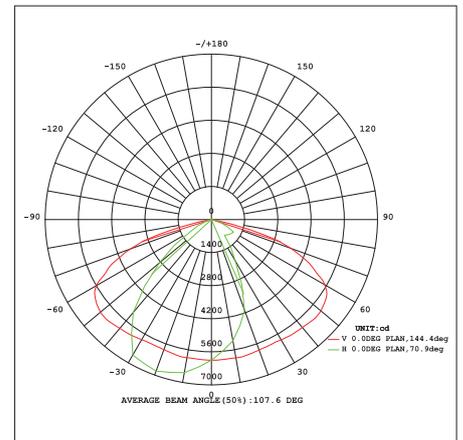
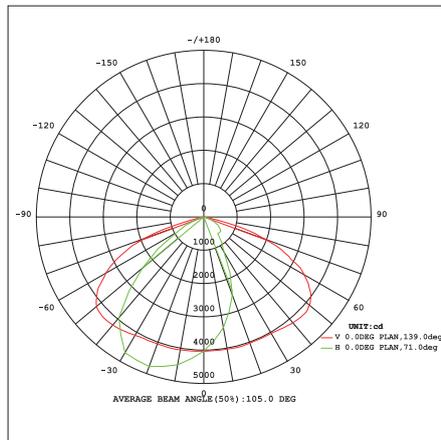
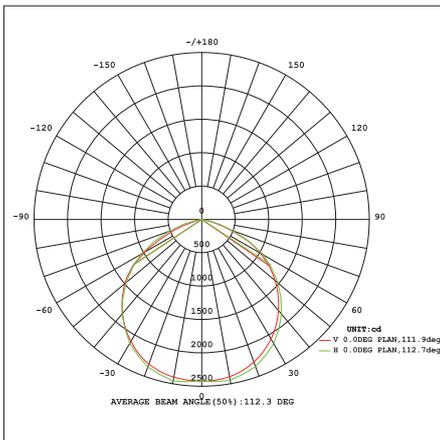
HiSpot LED Flood Light



## Technical Data

Model No.	FL09-50W	FL09-80W	FL09-100W	FL09-150W	FL09-200W	FL09-300W
<b>Wattage</b>	50W	80W	100W	150W	200W	300W
<b>Input Voltage</b>	100-240 VAC, 50 / 60 Hz					
<b>Power Factor</b>	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95
<b>Distribution</b>	30°, 60°, 90°	30°, 60°, 90°	30°, 60°, 90°	30°, 60°, 90°	30°, 60°, 90°	30°, 60°, 90°
<b>LED Chips</b>	2835/3030	2835/3030	2835/3030	2835/3030	2835/3030	2835/3030
<b>Luminous Flux@4000K</b>	6000LM	9600LM	12000LM	18000LM	24000LM	39000LM
<b>Color Temperature</b>	3000-7000K	3000-7000K	3000-7000K	3000-7000K	3000-7000K	3000-7000K
<b>Operating</b>	-30°C to + 50°C					
<b>Warranty</b>	5 years					

## Photometry





A1A3



T2T3



TS30/60/90

## Description

Innovation design and asymmetric optics by the market's favorite. UP to 120lm/W@24,000lm, almost all applications covered, like recreational sports, area lighting ...etc. U type bracket and pole mounting bracket make it installation quick and easy. Definitely a classic floodlight, HiSpot is an impeccable choice to expand the industrial lighting business.

## Key Features

- 3 sizes cover 50W to 200W, ideal for stock, distribution.
- Multiple optics to suit all sports and floodlighting applications.
- High lumen output 120lm/w.
- Easy to maintain with buckle design.
- External vent, avoid internal fogging and frosting.

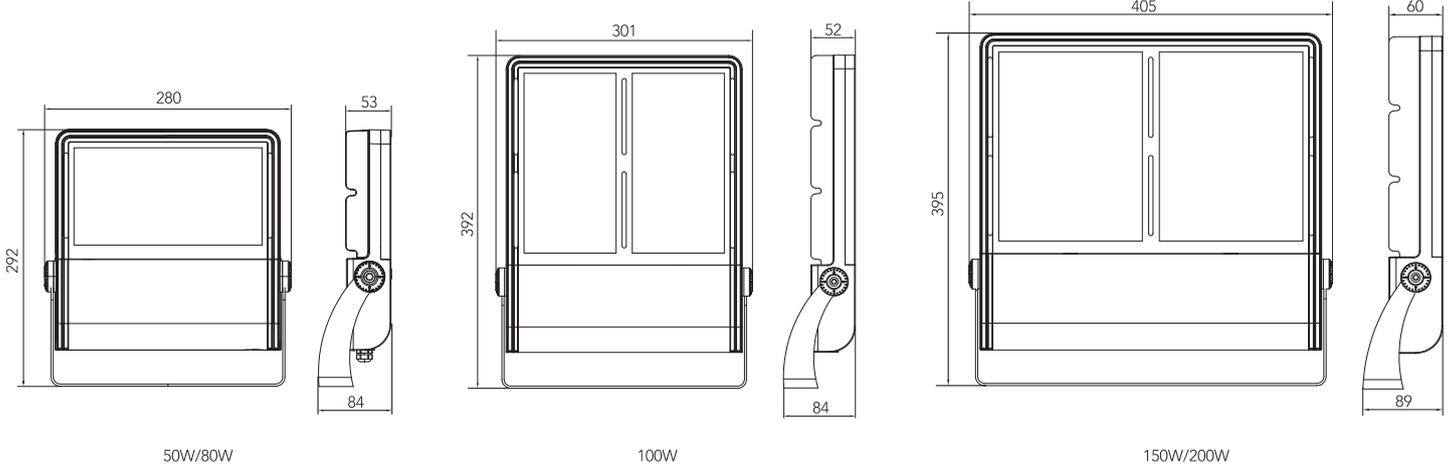
# FL10

HiSpot LED Flood Light

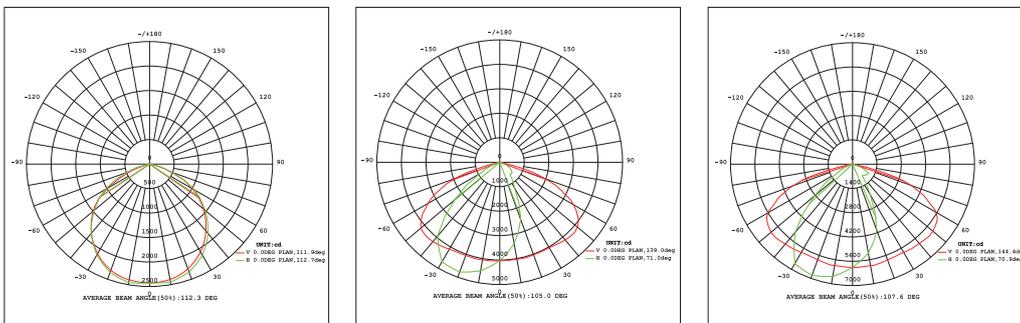


## Technical Data

Model No.	FL10-50W	FL10-80W	FL10-100W	FL10-150W	FL10-200W
<b>Wattage</b>	50W	80W	100W	150W	200W
<b>Input Voltage</b>	100-240 VAC, 50 / 60 Hz				
<b>Power Factor</b>	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95
<b>Distribution</b>	30°, 60°, 90°, 110°	30°, 60°, 90°, 110°	30°, 60°, 90°, 110°	30°, 60°, 90°, 110°	30°, 60°, 90°, 110°
<b>LED Chips</b>	2835/3030	2835/3030	2835/3030	2835/3030	2835/3030
<b>Luminous Flux@4000K</b>	6000LM	9600LM	12000LM	18000LM	24000LM
<b>Color Temperature</b>	3000-7000K	3000-7000K	3000-7000K	3000-7000K	3000-7000K
<b>Operating</b>	-30°C to + 50°C				
<b>Warranty</b>	5 years				



## Photometry





# FL11

LED Flood Light



## Description

Innovation design and asymmetric optics by the market's favorite. UP to 120lm/W@24,000lm, more than 4 kinds of professional light distribution, almost all applications covered, like recreational sports, area lighting...etc. U type bracket and pole mounting bracket make it installation quick and easy. Definitely a classic floodlight, HiSpot is an impeccable choice to expand the industrial lighting business.

## Key Features

- 4 sizes cover 100W to 240W, ideal for stock, distribution.
- Multiples optics to suit all sports and floodlighting applications.
- High lumen output 120lm/w.
- Easy to maintain with buckle design.
- External vent, avoid internal fogging and frosting.



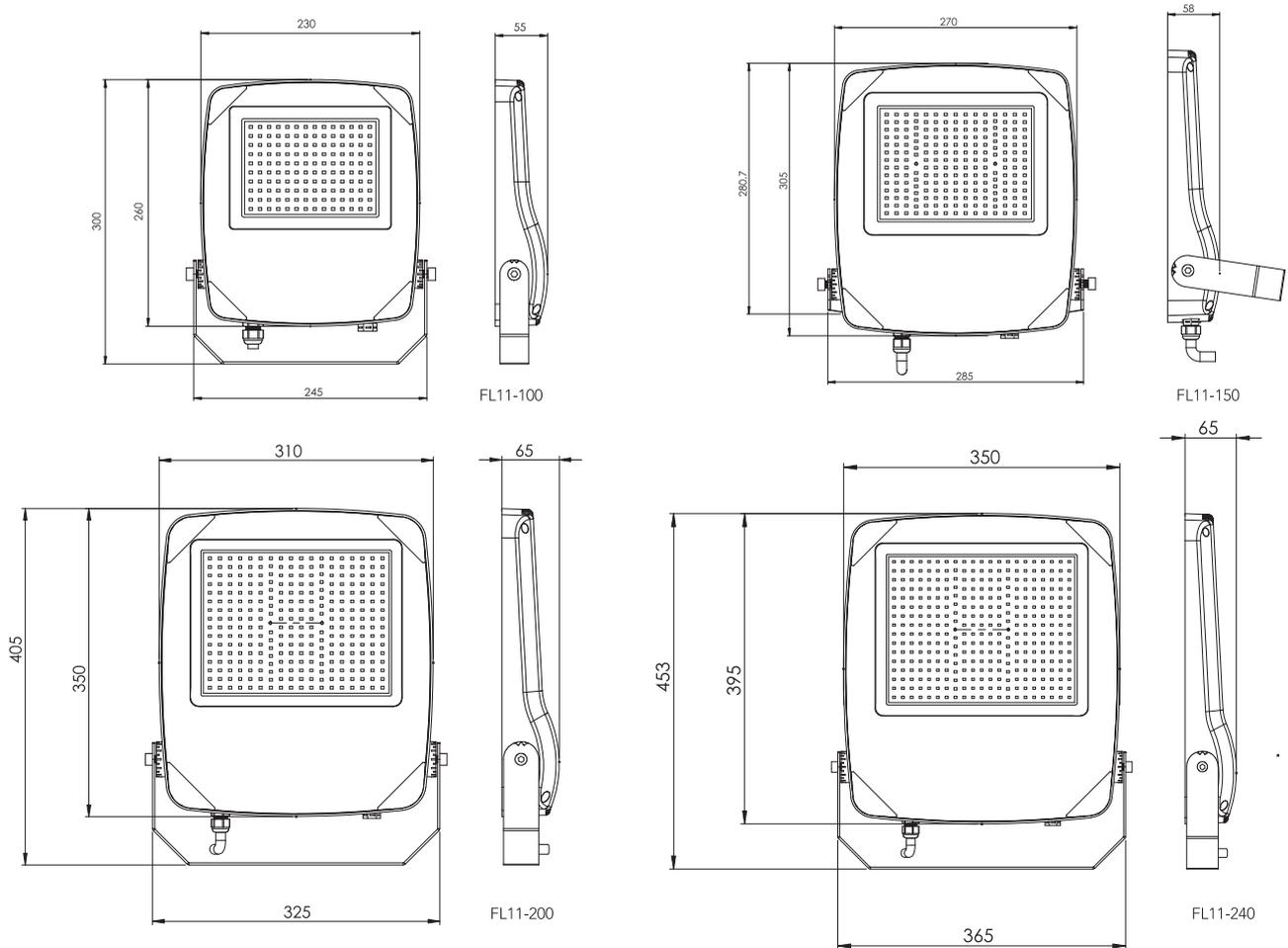
# FL11

LED Flood Light



## Technical Data

Model No.	FL11-100	FL11-150	FL11-200	FL11-240
<b>Wattage</b>	100W	150W	200W	240W
<b>Color Temperature</b>	3000K 4000K 5000K 6000K			
<b>Input Voltage</b>	220-240VAC 50/60HZ	220-240VAC 50/60HZ	220-240VAC 50/60HZ	220-240VAC 50/60HZ
<b>CRI</b>	≥ 70	≥ 70	≥ 70	≥ 70
<b>LED Chips</b>	2835/3030	2835/3030	2835/3030	2835/3030
<b>Luminous Flux@4000K</b>	12000lm	18000lm	24000lm	18000lm
<b>Light Efficacy</b>	120 LM/W	120 LM/W	120 LM/W	120 LM/W
<b>Operating</b>	-30°C to + 50°C			
<b>Warranty</b>	5 years	5 years	5 years	5 years



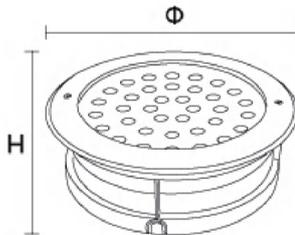


**IL01**  
LED Inground Light



# IL01

LED Inground Light



## Description

- Stainless steel cover+body, Tempered glass (Clear/Frosted), ABS box.
- Multiple optical be options, in order to meet the lighting equipments application.
- The maximum surface temperature of all contact temperature <50 C for safety and reliable.

## Applications

For landscape lighting places such as square, buildings, sculptures, signs and billboards.

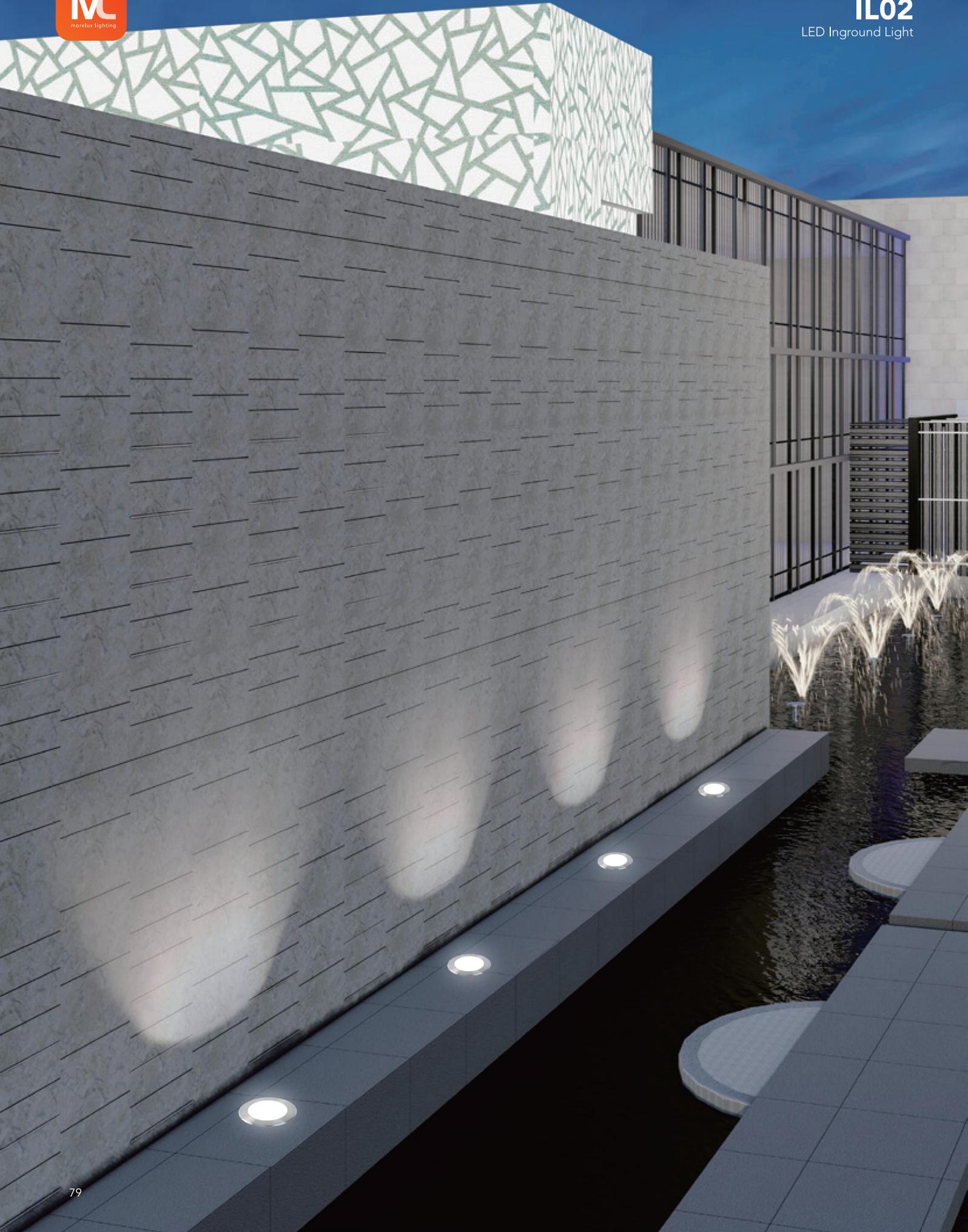
## Technical Data

<b>Model No.</b>	IL01-85	IL01-100	IL01-130	IL01-160	IL01-180
<b>Wattage</b>	3W	3W	5/6W	6/7/9W	9/12W
<b>Color Temperature</b>	3000K,4000K,6000K	3000K,4000K,6000K	3000K,4000K,6000K	3000K,4000K,6000K	3000K,4000K,6000K
<b>Input Voltage</b>	100-240 V , 50-60 Hz				
<b>Angle (Lens)</b>	15° 30° 45° 60°	15° 30° 45° 60°	15° 30° 45° 60°	15° 30° 45° 60°	15° 30° 45° 60°
<b>Size (mm)</b>	Φ85 H98	Φ100 H108	Φ130 H98	Φ160 H110	Φ180 H125
<b>Ra</b>	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80
<b>PF</b>	>0.5	>0.5	>0.5	>0.5	>0.5

<b>Model No.</b>	IL01-210	IL01-230	IL01-260	IL01-320
<b>Wattage</b>	12/15/18W	15/18W	18/24W	36W
<b>Color Temperature</b>	3000K,4000K,6000K	3000K,4000K,6000K	3000K,4000K,6000K	3000K,4000K,6000K
<b>Input Voltage</b>	100-240 V , 50-60 Hz			
<b>Angle (Lens)</b>	15° 30° 45° 60°	15° 30° 45° 60°	15° 30° 45° 60°	15° 30° 45° 60°
<b>Size (mm)</b>	Φ210 H120	Φ230 H140	Φ260 H125	Φ320 H115
<b>Ra</b>	≥ 80	≥ 80	≥ 80	≥ 80
<b>PF</b>	>0.5	>0.5	>0.5	>0.5



**IL02**  
LED Inground Light



# IL02

LED Inground Light



IL02-320



IL02-320C

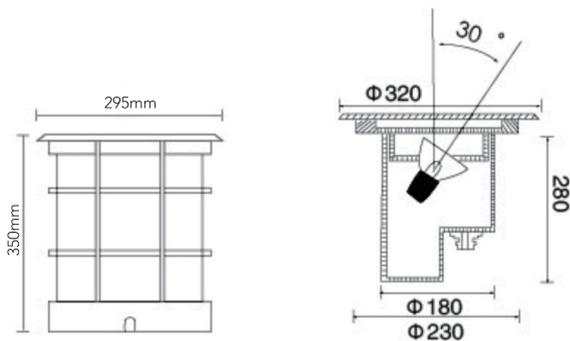
CE CB RoHS IP67

## Description

- Stainless steel cover+body, Tempered glass (Clear/Frosted), ABS box.
- Multiple optical be options, in order to meet the lighting equipments application.
- The maximum surface temperature of all contact temperature <50 C for safety and reliable.

## Applications

For landscape lighting places such as square, buildings, sculptures, signs and billboards.



## Technical Data

Model No.	IL02-320	IL02-320C
Wattage	50W	50W
Color Temperature	3000K,4000K,6000K	3000K,4000K,6000K
Input Voltage	100-240 V , 50-60 Hz	100-240 V , 50-60 Hz
Angle (Lens)	30°	6° 15° 30°
Ra	≥80	≥80
PF	>0.5	>0.5



**IL03**  
LED Inground Light



# IL03

LED Inground Light

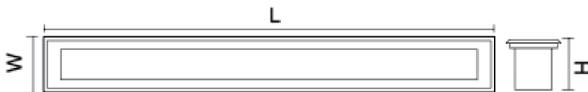


## Description

- Stainless steel cover+body, Tempered glass (Clear/Frosted), ABS box.
- Multiple optical be options, in order to meet the lighting equipments application.
- The maximum surface temperature of all contact temperature <50°C for safety and reliable.

## Applications

For landscape lighting places such as square, buildings, sculptures, signs and billboards.



## Technical Data

Model No.	IL03-230	IL03-430	IL03-630	IL03-830	IL03-1050
<b>Wattage</b>	5W	8/9W	12W	15W	18W
<b>Color Temperature</b>	3000K,4000K,6000K	3000K,4000K,6000K	3000K,4000K,6000K	3000K,4000K,6000K	3000K,4000K,6000K
<b>Input Voltage</b>	100-240 V , 50-60 Hz				
<b>Angle (Lens)</b>	15° 30° 45° 60°	15° 30° 45° 60°	15° 30° 45° 60°	15° 30° 45° 60°	15° 30° 45° 60°
<b>Size (mm)</b>	L230 W115 H105	L430 W115 H105	L630 W115 H105	L830 W115 H105	L1050 W115 H105
<b>Ra</b>	≥80	≥80	≥80	≥80	≥80
<b>PF</b>	>0.5	>0.5	>0.5	>0.5	>0.5



## Description

A new design luminaire for new and modified applications, using the latest high efficiency LED technology, provides a complete lighting solution for the simplest to most complex area lighting applications. Specially designed optical modules have a full range of light distribution options to meet the highest performance standards and provide superior visibility and consistency.

## Key Features

- Die-casting aluminum alloy housing
- Optics with PC lens with high visual comfortable and uniform lighting distribution, multiple light distribution options.
- High quality LED chips, Driver with 0-10V/DALI/programmed be options, and with surge protection up to 20KV.
- Surface anti-ultraviolet pure polyester powder painting, Corrosion resistance can be more than 1000 hours.
- No photo-biological risk, (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.
- Street lighting control used with smart control technology. It can be compatible with remote management system.
- All external screws are made of 304 stainless steel.

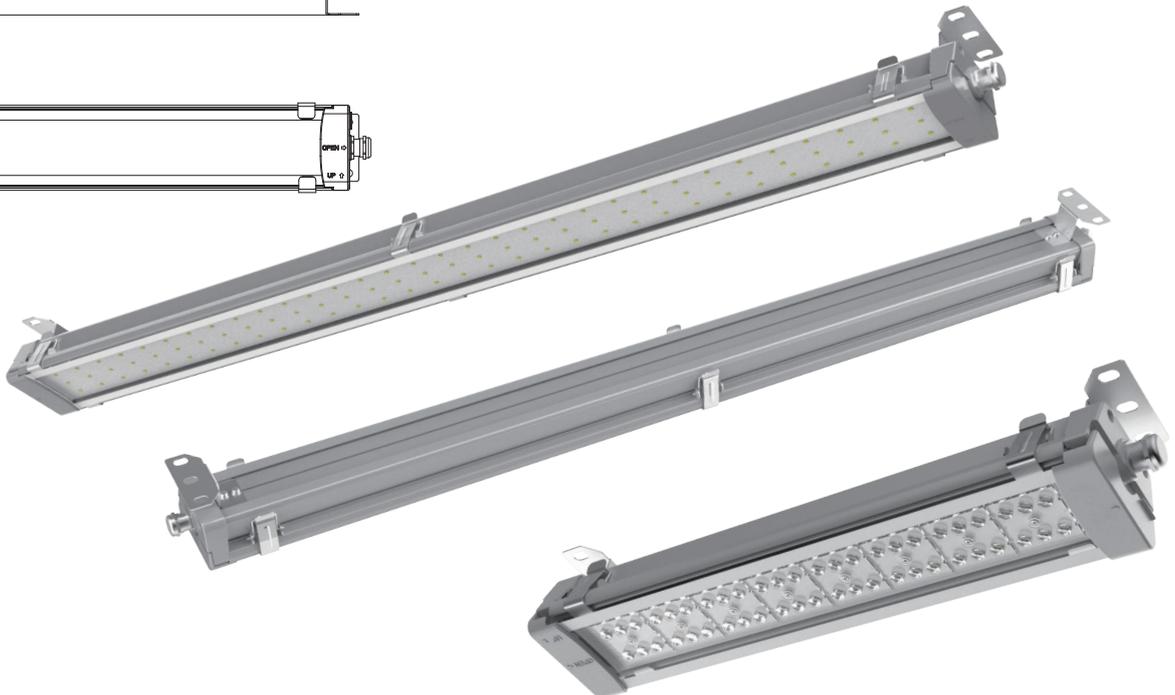
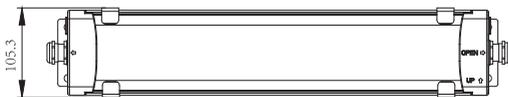
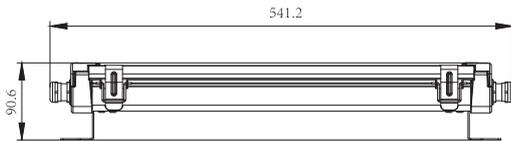
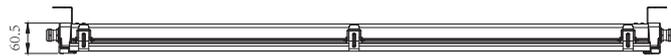
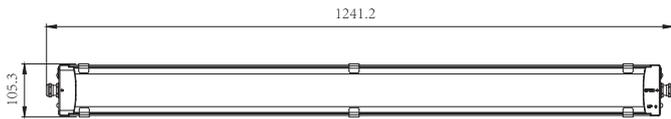
# TL01

LED Tunnel Light



## Technical Data

<b>Model No.</b>	TL01-20	TL01-40
<b>Wattage</b>	20W	40W
<b>LED Chips</b>	2835	2835
<b>Luminous Flux@4000K</b>	2000lm	4000lm
<b>Light Efficacy</b>	100 LM/W	100 LM/W
<b>Color Temperature</b>	3000K 4000K 5000K 6000K	3000K 4000K 5000K 6000K
<b>Input Voltage</b>	220-240VAC 50/60HZ	220-240VAC 50/60HZ
<b>CRI</b>	≥ 70	≥ 70
<b>Operating</b>	-30°C to + 50°C	-30°C to + 50°C
<b>Warranty</b>	5 years	5 years



# Technical Guide

## Our Optics

We have more advanced technology, more accurate light distribution control technology and higher energy-saving effect. We design and produce LED products to ensure that the product quality and output can be improved year by year.

### Opti Smart Lens

#### 4 in 1(2\*2) Asymmetric Lens

T2A / T3A / T4A /  
T5A / T4 / T3M



#### 4 in 1(2\*2) Symetric Lens

T10 / T25 / T50 /  
T90 / T1



#### 6 in 1(2\*3) Asymmetric Lens

T2D / T3D / T4D /  
T5D / T3N



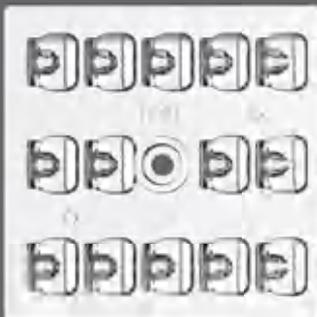
#### 6 in 1(2\*3) Symetric Lens

T25D / T50D /  
T90D / T1D



#### 14 in 1 Asymmetric Lens

T2B / T3B / T4B



#### 14 in 1 Symetric Lens

T25B / T50B /  
T90B / T1B



### Opti Smart Lens

Accurate design of light distribution for our streetlighting.

### Opti Smart Reflector

Efficiency and visual comfort for our outdoor lighting.

### Opti Special Lens

Tailor-made lens with free- form technology to define special shape.

### Opti Beam Lens

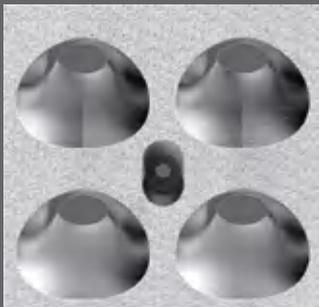
No colour aberrations , maximum visual comfort for our spot lighting.

#### Opti Smart Reflector

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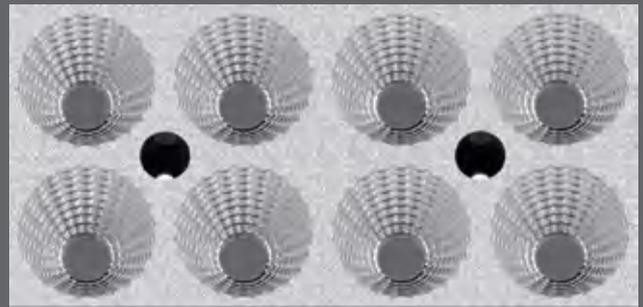
##### Asymetric Reflector

A1 / A2 / A3



##### Symetric Reflector

R1 / R2 / R3



#### Opti Special Lens

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##### Special Lens

T25A / T40A / T32B



#### Opti Beam Lens

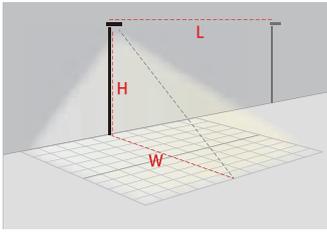
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TS4 / TS8 / TS15 / TS25 / TS40 / TS60



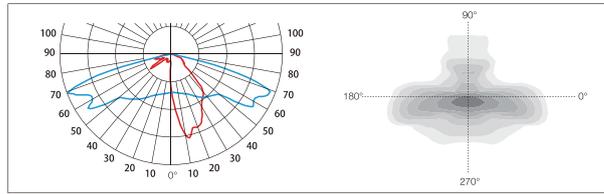
# Lens Application

## Road Lens Optics



### Asymmetric Lens

**H** = Installation height  
**W** = Width of area  
**L** = Distance between poles

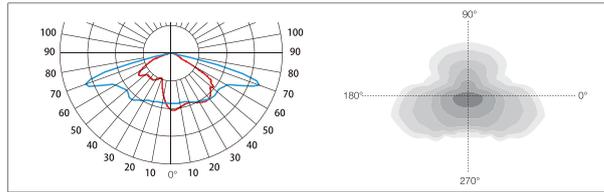


### T2A / T2B / T2D

Optic for residential streets and bicycle lanes.

$W = 0.7H$   
 $L = 5H$

**A** (4 in 1) / **B** (14 in 1) / **D** (6 in 1)

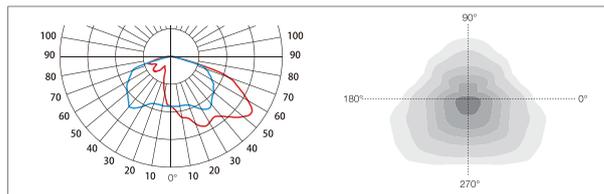


### T3A / T3B / T3D

Street optic for intense vehicle traffic, urban and suburban areas.

$W = 1H$   
 $L = 4H$

**A** (4 in 1) / **B** (14 in 1) / **D** (6 in 1)

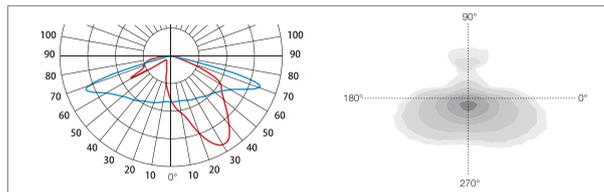


### T4A / T4B / T4D

Asymmetric light distribution for large areas.

$W = 1.75H$   
 $L = 3H$

**A** (4 in 1) / **B** (14 in 1) / **D** (6 in 1)

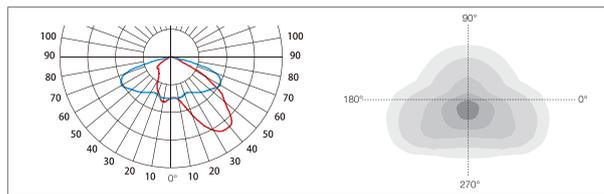


### T3M / T3N

Street optic for intense vehicle traffic, urban and suburban areas.

$W = 1H$   
 $L = 4H$

**M** (4 in 1) / **N** (6 in 1)

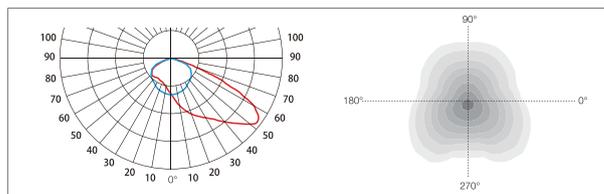


### T4

Asymmetric light distribution for motorway road.

$W = 1.2H$   
 $L = 4H$

**LED Chips:** 4 in 1

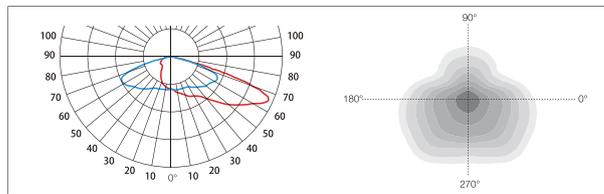


### T5A / T5B / T5D

Asymmetric light distribution for large areas.

$W = 1H$   
 $L = 2.75H$

**A** (4 in 1) / **B** (14 in 1) / **D** (6 in 1)

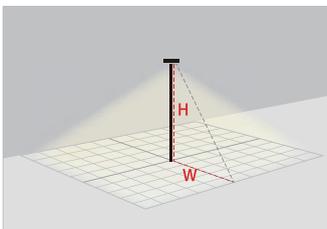


### T6A / T6B / T6D

Comfort optic for squares and pedestrian urban areas.

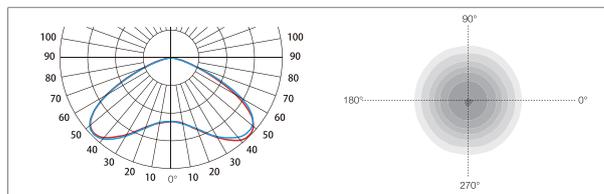
$W = 1.5H$   
 $L = 4.5H$

**A** (4 in 1) / **B** (14 in 1) / **D** (6 in 1)



### Symmetric Lens

**H** = Installation height  
**W** = Width of area



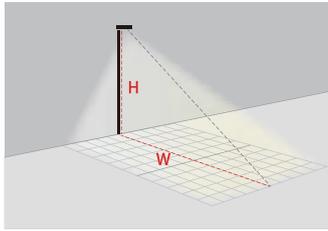
### T1 / T1B / T1D

Symmetric light distribution for square, park, highway lighting.

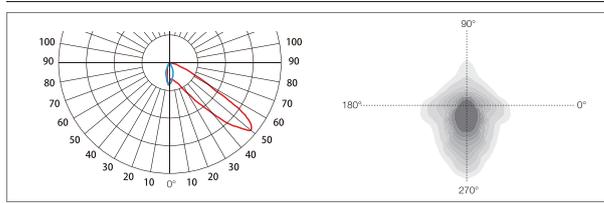
$W = 1H$

**A** (4 in 1) / **B** (14 in 1) / **D** (6 in 1)

**Asymmetric Reflector Optics**



H = Installation height  
W = Width of area

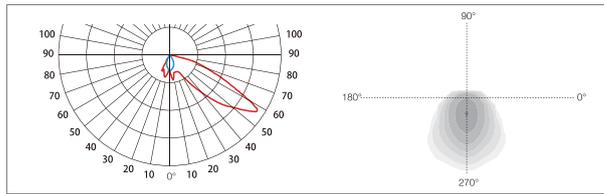


**A1**

Asymmetrical Optic 50°  
For sports ground, square, intersection, parking and other areas.

W = 1.6H

**LED Chips:** 4 in 1

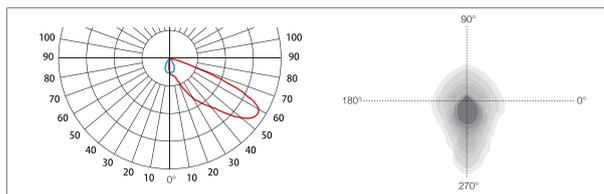


**A2**

Asymmetrical Optic 60°  
For sports ground, square, intersection, parking and other areas.

W = 1.6H

**LED Chips:** 4 in 1



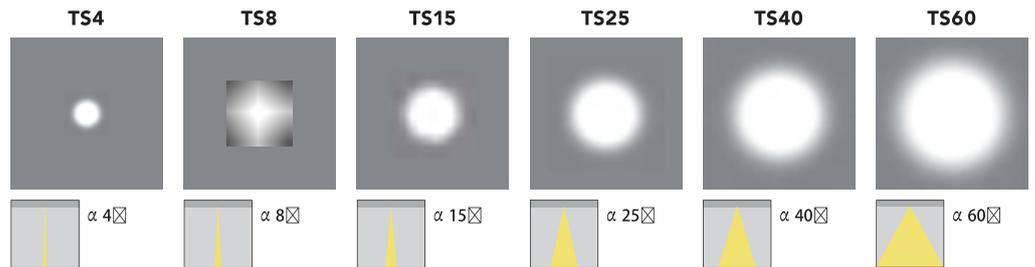
**A3**

Asymmetrical Optic 60°  
For sports ground, square, intersection, parking and other areas.

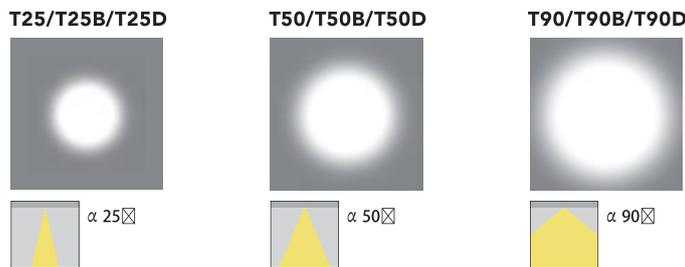
W = 2H

**LED Chips:** 4 in 1

**Beam Lens Optics**



**Symmetric Lens Optics**



**Symmetric Reflector Optics**



# Technical Guide

## Zhaga PCB Board

In order to facilitate enterprise management, reduce the stock of LED board, and realize the interchangeability and versatility of LED board, our company makes standardization for the designed LED board based on the international zhaga standard requirements.

### 3535 LED Chips

### 5050 LED Chips

#### 4 in 1

A1



P8-601A

A2



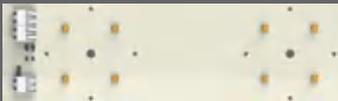
P12-601A

A3



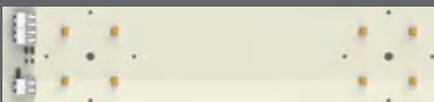
P16-601A

A4



P8A-601A

A5



P8B-601A

A1



P8-601D

A2



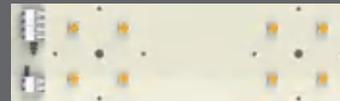
P12-601D

A3



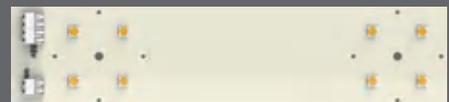
P16-601D

A4



P8A-601D

A5

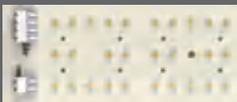


P8B-601D

### 3030 LED Chips

#### 14 in 1

B1



PB28-601B

B2



PB42-601B

B3



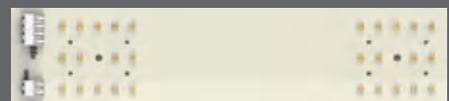
PB56-601B

B4



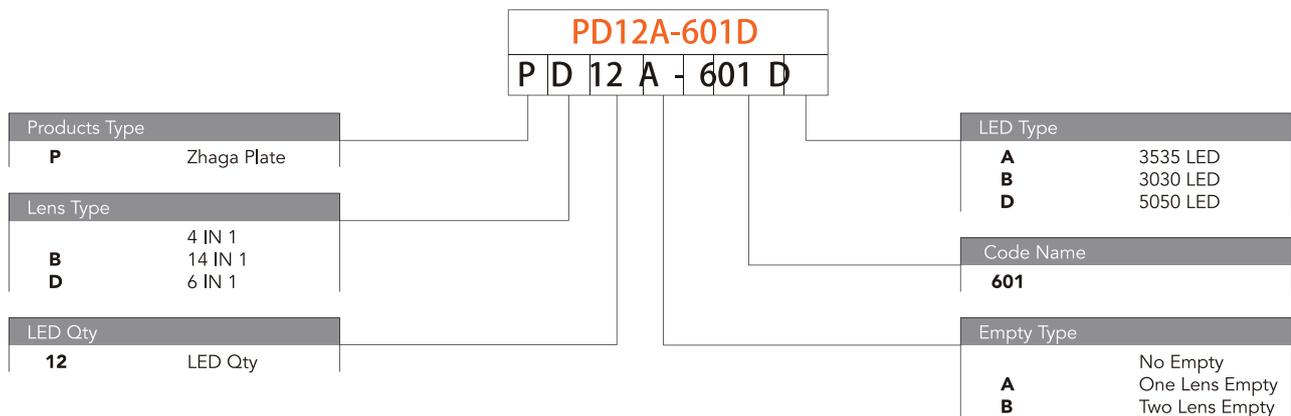
PB28A-601B

B5



PB28B-601B

Configuration Guide



\* it need to added "H" to the suffix of the zhaga plate code.

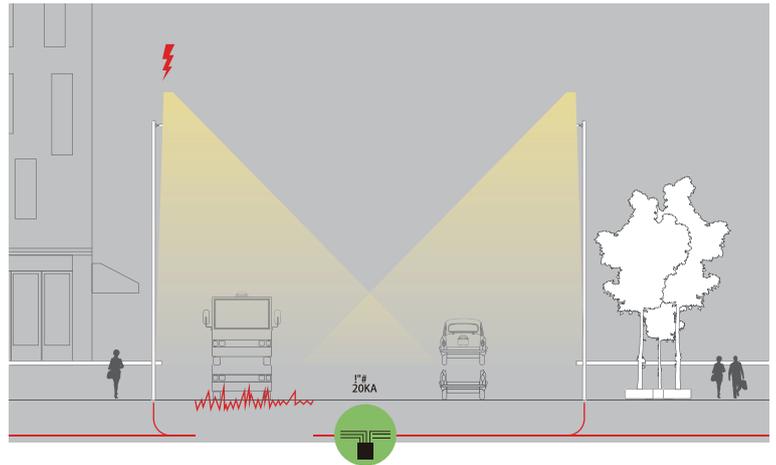
# SPD Protector

## SPD Q-01



It prevents the electronic equipments to be damaged because of overvoltages or lightning, thus ensuring lifespan.

LED lighting is different from the conventional discharge light source, LED lighting work under low voltage conditions, so it is particularly sensitive to the change of voltage. In street lighting, all kinds of overvoltage are very common, so it is very important to use LED circuit and LED drive protection system.



### How does it work

- Connected in series.
- Able to absorb overvoltage peaks up to 20KA.
- Absorbs both transient and permanent overvoltage peak of the line between phase, neutral and earth, deriving them to the earth.
- At the end of its lifespan, it disconnects the luminaire so that this latter does not remain unprotected at any moment, the luminaire that is switch off is easily detected by the maintenance service.
- The replacement of overvoltage protector is a process as simple changing a fuse.

### Technology data

Voltage Protection Level	$U_{DC}$	10 KV	Nominal Voltage AC 50-60Hz	$U_N$	230 VAC
Voltage Protection Level	$U_p$	<1.3 KV	Nominal Intensity AC 50-60Hz	$I_L$	20 A
Response Time	$t_A$	<25 NS	Maximum Service Voltage	$U_C$	275 VAC
Working Temperature	$T_a$	-40°C~+70°C	Maximum (8/20)	$I_{MAX}$	20 KA
Phase Thermal Disconnection		YES	Discharge Nominal Current (8/20)	$I_N$	10 KA

Double insulated cable to be applied in class II fixtures.

# Disconnecter

## Disconnecter Q-02



**Q-02**



**Q-02B**

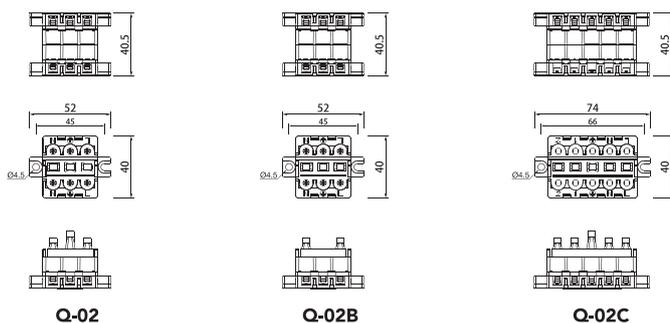


**Q-02C**

### Power-off Protector



The power-off protector is applicable to the lighting. When the body is turned off, the lighting will be cut off automatically, so that the maintenance personnel can operate safely. When the body is tune on, the lighting will be powered on automatically. It is safe and practical.



- 
Class II insulated
- 
Screw fixing
- 
Rigid and flexible with ferrule wires stripping

### Technology data

Model	Q-02	Q-02B	Q-02C
Rated Voltage	AC 250V,50Hz	AC 250V,50Hz	AC 250V,50Hz
Wire Range	10-2.5mm <sup>2</sup>	10-2.5mm <sup>2</sup>	10-2.5mm <sup>2</sup>
Poles	3PIN	2PIN	5PIN
Method Of Application	FIX TYPE	FIX TYPE	FIX TYPE
Class Luminaire	CLASS 1	CLASS 2	CLASS 1

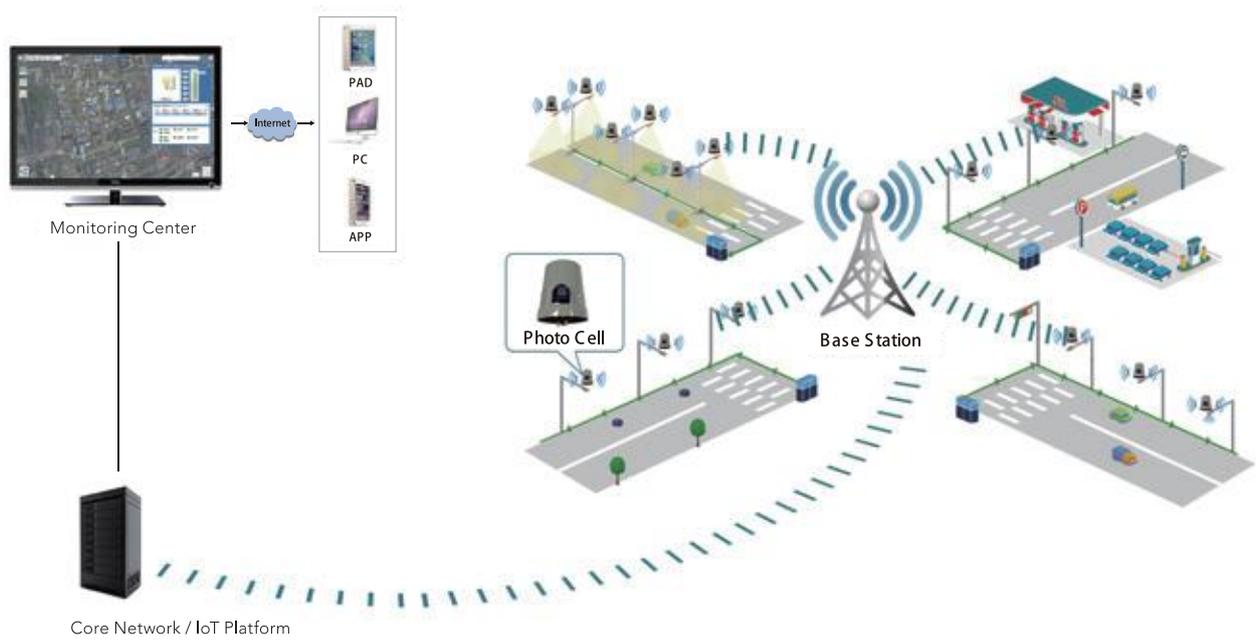
### Characteristics

- Black PC Body
- Silver Plated Bronze Contacts

# Smart Control System

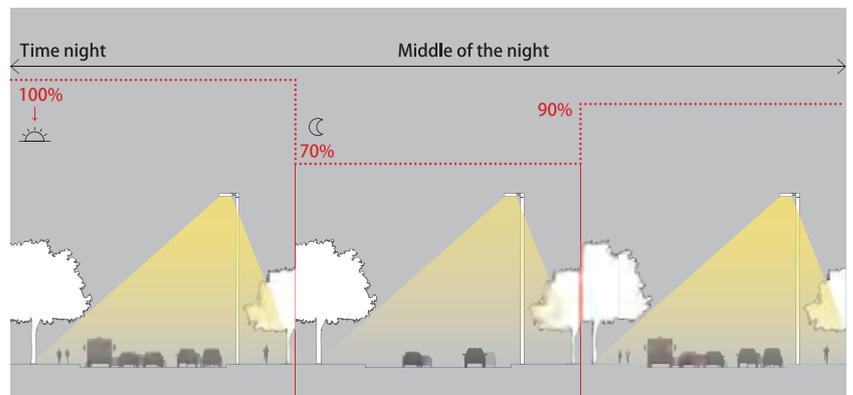
## Smart Lighting

According to different requirements, there are various intelligent control options for urban lighting, Smart control has the following four different configurations: 1. Middle of the Night 2. NEMA Socket 3. DALI Control 4. DMX Control



## Middle of the Night

Through the program setting midnight power down output function, you can freely decide when to reduce power, when to return to 100% power output, without external management system.



Example with Middle of the Night profile with Street

## NEMA Socket

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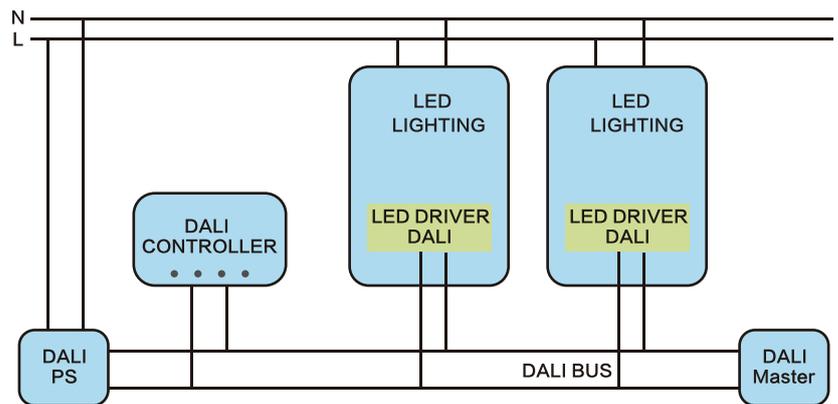
Smart city and Internet City, through which controllers in wireless network can be connected and integrated into smart city control and management system. Through the NEMA base, the IOT integration in the system can be started without replacing the light source components.



## DALI Control

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The biggest characteristic of Dali technology is that a single lamp has an independent address, which can be used for precise dimming control of a single lamp or a group of lamps through Dali system. Dali system software can address single or multiple lamps on the same strong current circuit or different circuits independently, so as to realize separate control and arbitrary grouping.



## DMX Control

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Base on DMX RDM technologies, allowing centralized management of lighting functions, with dynamic color change or monochrome, which are usually controlled separately, it can be realized to quickly change the space perception and highlight the building facade lighting.





## **MORELUX LIGHTING LIMITED**

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