



**PROFESSIONAL**  
**LED Street Lights**  
**2022**

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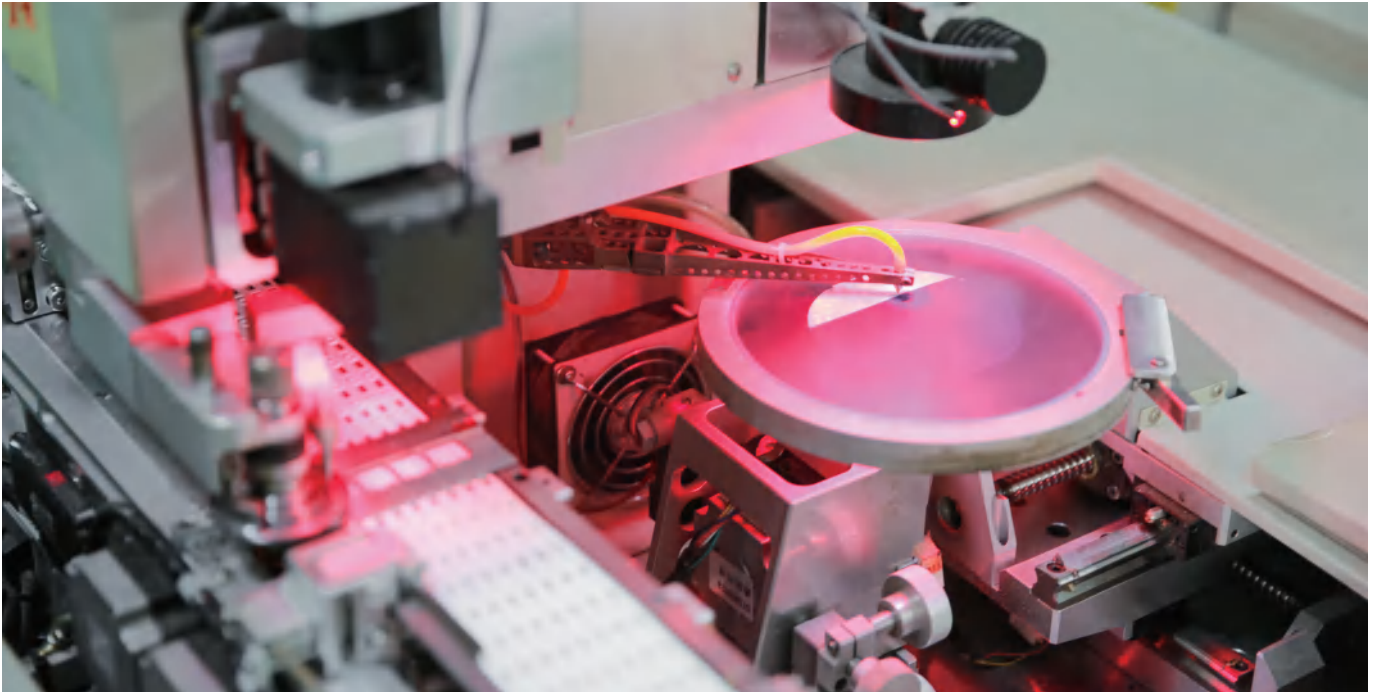
ZHEJIANG ALITE LIGHTING CO.,LTD

# ABOUT US

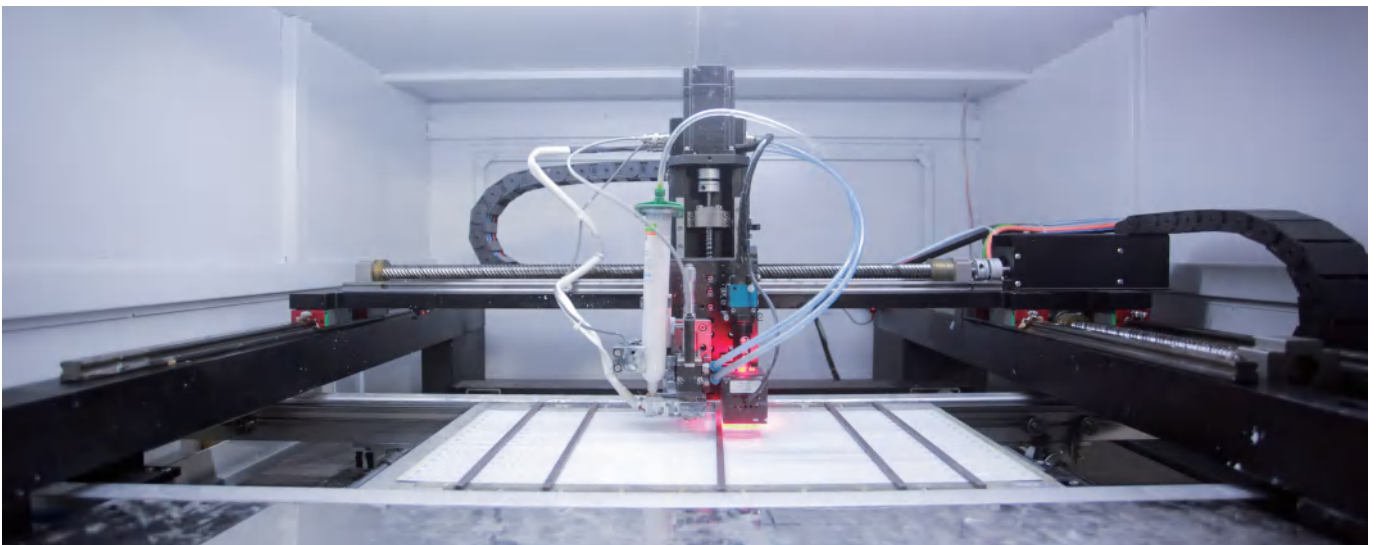
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Zhejiang Alite Lighting Co., Ltd. is a professional supplier for luminaires and integrates product designing, developing, manufacturing and sales. Its main products include LED Street lights, LED HighBay lights and LED Flood lights.





Adhering to the guidelines of "dedication, win-win and pursuit of excellence", Alite has built up its core strengths through a full range of market research. It makes the best goods and the products have passed ENEC, CB, CE, RoHS & SAA approvals.



The company has a young team filled with passion, remains good faith by improving service, strengthening management and constantly innovating. In practical, realistic and innovative spirit, in future-oriented view, with high quality & high starting point, it has won the domestic and foreign customers' praise and recognition. Its products have been exported to Europe, South America, Asia, covering more than 20 countries and areas in total.

The pursuit of excellent quality and to create comfortable life is our ultimate goal. Hope to cooperate with you sincerely, to join hands in creating a bright future!



# CATALOG

## LED STREET LIGHTS



Falcon  
25

- Falcon DIM
- Protection against Over-Voltage
- Motion sensor DIM
- Operating Conditions
- Smart Street Lighting



## LED GARDEN LIGHTS



# FALCON SERIES

## ASL29



ASL29 FALCON SERIES is the falcon in the city sky. It has been professionally designed to reach 210 lm/w, becoming one of the most energy-efficient systems in the lighting field. ASL29 FALCON SERIES can be installed horizontally and vertically because it has the flexibility of cross rotation. At the same time, the pioneering use of the rear driver compartment can form an independently disassembled structure, reducing the time and the risk of high-altitude maintenance, allowing maintenance and replacement of the driver in the studio instead of high altitude. The innovative waterproof structure and the design of multiple light transmitting holes enable the water protection level to reach IP66, and the anti-collision level IK09 (can be customized to be IK10), and support to change the lens angle to achieve different roads and adopt different light distribution types. As it supports the installation of built-in light sensors, installation of NEMA bases and Zhaga bases, it is compatible with all external controllers, motion sensors, and external light sensors.

## Product Details



**Clasp**  
Easy open

**A++LSR**

A++ nipple grade silicone

**Surge Protective Device**

Effectively absorb sudden electric energy to protect the connected equipment from damage

**Power Supply**

Sosen/Moso/Meanwell/Osram/ Inventronics/Philips Optional

**Breaker**

Blocking or penetrating an overloaded circuit

**Photocell**

Control lights on and off by light intensity

**Nema Socket**

Optical control can be connected to 3/5/7PIN interface

**Easy to Repair**

When the lighting fails and needs to be repaired, it only needs to remove the driver body for replacement without any tools.

**Honeycomb Cooling**

**Lens**

Optical with PC lenses with high visual comfort and uniform lighting distribution, multiple optical distribution options

**Zhaga Socket**

Connect single lamp controller or mobile monitoring sensor

**Motion Sensor**

Control the light on and off by monitoring the movement of objects

**Connector**

Top or side fitting Ø50mm, Ø60mm, Ø76 arm be option, from -15° ~ +15° angle adjustable

## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD3030   SMD5050
Luminous Efficacy	210LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K 5000K
Beam Angle	Type I   Type II   Type III
Number Of Lens	A:4   6 Pcs   B:9 Pcs   C:12Pcs
Life Time	100000 Hours

### Electrical Parameters

Power A	30W   50W   60W   80W
Power B	80W   100W   120W   150W
Power C	150W   180W   200W
Voltage	AC100-240V
Frequency	50/60Hz
Electrical Class	Class I   Class II
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP66
IK Grade	IK09
SPD	10KV   20KV (Optional)

### Driver

Brand	Philips   Inventronics   Sosen   OEM
Power Factor	>0.95
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 15%

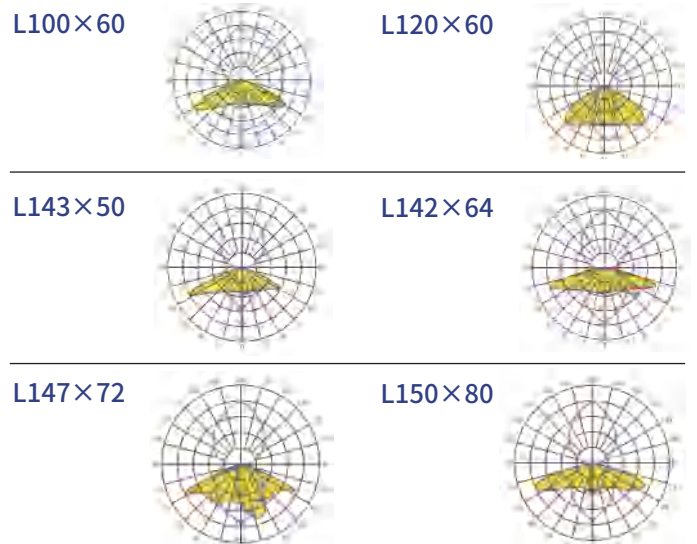
### Materials and Properties

Material Of Shell	Aluminum (ADC12) +Optical Glass
Material Of Lens	PMMA   PC
Color Of Shell	RAL 9022   RAL7040 etc
Pole diameter (mm)	60   76
Size A (mm)	578.1*237.5*122.6
Size B (mm)	679.5*266.4*122.6
Size C (mm)	798.1*300.5*122.6

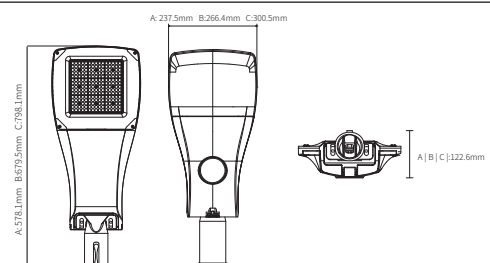
### Tested according to

ENEC	EN 60598-2-3:2003+A1:2011 used in conjunction with EN IEC 60598-1:2021, EN 62262:2002
CB	IEC 60598-2-3:2002+A1 IEC 60598-1:2020  IEC 60598-2-3:2002, IEC 60598-2-3:2002/AMD1:2011 used in conjunction with IEC 60598-1:2020
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN IEC 55015:2019+A11 EN 61547:2009 EN IEC 61000-3-2:2019+A1 EN 61000-3-3:2013+A1
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

### Typical photometric features



### Dimensiones





Color

■ Black



■ Grey





■ Black



■ Grey



## Ambient Temperature

-25°C   
 +50°C 



## Working Temperature

°C  
 80.00  
 75.13  
 70.26  
 65.39  
 60.52  
 55.66  
 50.79  
 45.92  
 41.05  
 36.18



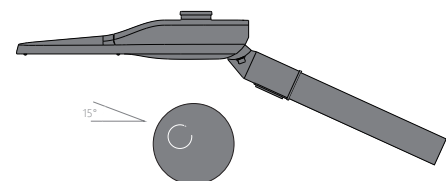
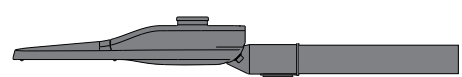
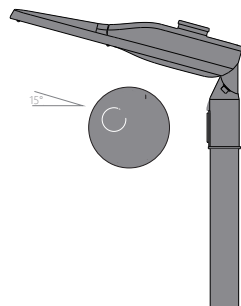
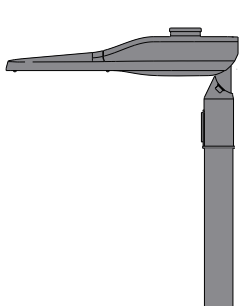
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustment of the inclination: from  $-15^\circ$  to  $+15^\circ$  in the step of  $2.5^\circ$

1. Install the lamp to the pole and tighten the screw.
2. Loosen the connecting rod converter screw and adjust the angle.
3. Tighten connecting rod converter screws.



# FALCON SERIES

ASL29

Application



# SAKER SERIES

## ASL30



ASL30 SAKER SERIES is just another bird from our Falconidae birds that can illuminate the sky of our cities. ASL30 SAKER LED Street Light SERIES is high as 210 lm/w which makes it one of the luminaries those you cannot see every day around you. ASL30 SAKER LED Street Light SERIES is the perfect LED street light product with most optimal costs for a high efficiency professional luminaire. The maintaining is quite easy with the openings on the driver side. However, even with the openings, this model can still make it IP65, and IK08. By changing the lens angle, it can achieve different light distribution types for different roads and applications. With integration of the option known as built-in light sensor, it is available that the system turns on the light at dark and turning it off at daylight automatically, making the system perfect for all types of installations.



## Product Details



## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD3030   SMD5050
Luminous Efficacy	210LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K 5000K
Beam Angle	Type I   Type II   Type III
Number Of Lens	A:4   6 Pcs   B:9 Pcs   C:12Pcs
Life Time	100000Hours

### Electrical Parameters

Power A	40W   50W   60W   80W
Power B	100W   120W
Power C	150W   180W
Voltage	AC100-240V
Frequency	50/60Hz
Electrical Class	Class I   Class II
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP66
IK Grade	IK09
SPD	10KV   20KV (Optional)

### Driver

Brand	Philips   Inventronics   Sosen   OEM
Power Factor	≥0.95
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 15%

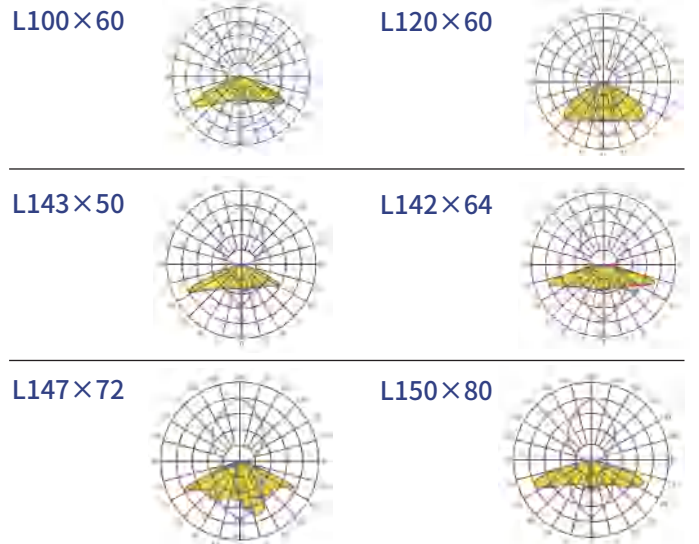
### Materials and Properties

Material Of Shell	Aluminum (ADC12) +Optical Glass
Material Of Lens	PMMA   PC
Color Of Shell	RAL 9022   RAL7040 etc
Pole diameter (mm)	60
Size A (mm)	572*195*93
Size B (mm)	640*240*93
Size C (mm)	718*285*99

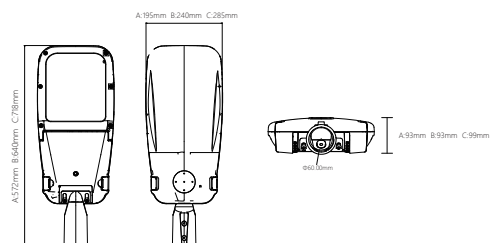
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CB	IEC 60598-2-3:2002+A1 IEC 60598-1:2020  IEC 60598-2-3:2002, IEC 60598-2-3:2002/AMD1:2011 used in conjunction with IEC 60598-1:2020
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN IEC 55015:2019+A11 EN 61547:2009 EN IEC 61000-3-2:2019+A1 EN 61000-3-3:2013+A1
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

### Typical photometric features



### Dimensiones



Color

■ Black



■ Grey



■ Black



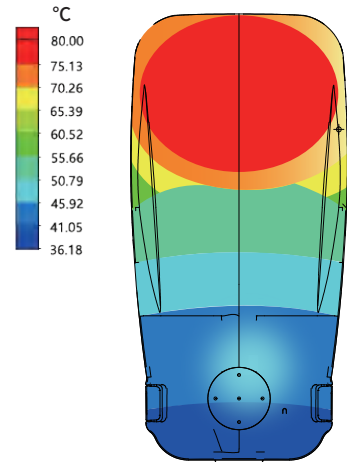
■ Grey



## Ambient Temperature



## Working Temperature



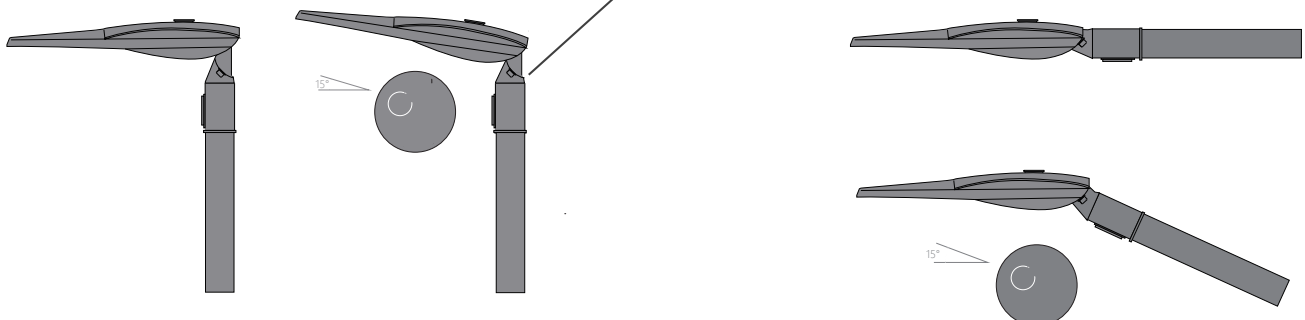
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustment of the inclination: from  $-15^\circ$  to  $+15^\circ$  in the step of  $2.5^\circ$

1. Install the lamp to the pole and tighten the screw.
2. Loosen the connecting rod converter screw and adjust the angle.
3. Tighten connecting rod converter screws.





# SAKER SERIES

ASL30

Application



# HAWK SERIES

## ASL07



ASL07 SERIES offers the best LED road lighting solution for intelligent street lighting to our clients for both pedestrian and vehicle road applications. It offers 3 different housing sizes with IP65, IK08 and a wide range of beam optics to globally cater to different road design and conditions. It has been designed to achieve better light uniformity distribution and maximum spacing between poles even for the 80w LED street light, while ensuring perfect light on the road. And this modal is compatible with built-in light sensors, installation of NEMA bases and Zhaga bases, and fits all external controllers, motion sensors, and external light sensors.

## Product Details



**Nema Socket**

Optical control can be connected to 3/5/7PIN interface



**Connector**

Top or side fitting Ø50mm, Ø60mm, Ø76 arm be option, from -15° ~ +15° angle adjustable



**Photocell**

Control lights on and off by light intensity



**Surge Protective Device**

Effectively absorb sudden electric energy to protect the connected equipment from damage



**Power Supply**

Sosen/Moso/Meanwell/Osram/ Inventronics/Philips Optional



**Zhaga Socket**

Connect single lamp controller or mobile monitoring sensor



**Motion Sensor**

Control the light on and off by monitoring the movement of objects



**Breaker**

Blocking or penetrating an overloaded circuit

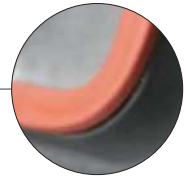


**Clasp**

Easy open



**Silica Gel**



**Honeycomb Cooling**



**Lens**

Optical with PC lenses with high visual comfort and uniform lighting distribution, multiple optical distribution options



## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD3030   SMD5050
Luminous Efficacy	140LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K 5000K
Beam Angle	Type I   Type II   Type III
Number Of Lens	A:4   6   9Pcs   B:12   16Pcs   C:20   25   30Pcs
Life Time	100000 Hours

### Electrical Parameters

Power A	30W   60W   80W
Power B	80W   100W   120W   150W
Power C	200W   240W   300W
Voltage	AC120-240V
Frequency	50/60Hz
Electrical Class	Class I   Class II
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP66
IK Grade	IK09
SPD	10KV   20KV (Optional)

### Driver

Brand	Philips   Inventronics   Sosen   OEM
Power Factor	>0.95
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 15%

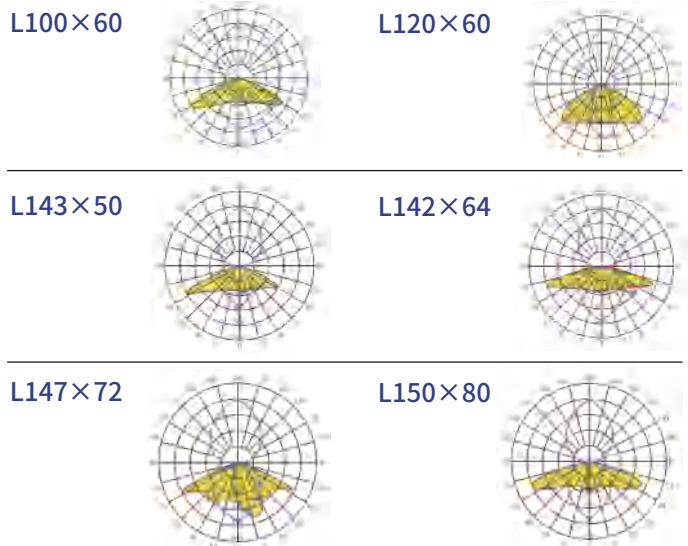
### Materials and Properties

Material Of Shell	Aluminum (ADC12) +Optical Glass
Material Of Lens	PMMA   PC
Color Of Shell	RAL 9022   RAL7040 etc
Pole diameter (mm)	60
Size A (mm)	580*240*140
Size B (mm)	740*344*145
Size C (mm)	847*400*150

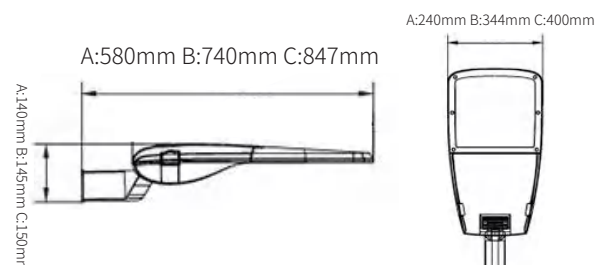
### Tested according to

ENEC	EN 60598-2-3:2003+A1:2011 used in conjunction with EN IEC 60598-1:2021, EN 62262:2002
CB	IEC 60598-2-3:2002+A1 IEC 60598-1:2020  IEC 60598-2-3:2002, IEC 60598-2-3:2002/AMD1:2011 used in conjunction with IEC 60598-1:2020
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN IEC 55015:2019+A11 EN 61547:2009 EN IEC 61000-3-2:2019+A1 EN 61000-3-3:2013+A1
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

### Typical photometric features



### Dimensiones



Color

■ Black



■ Grey



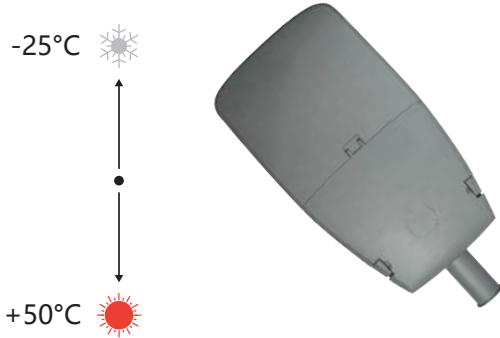
■ Black



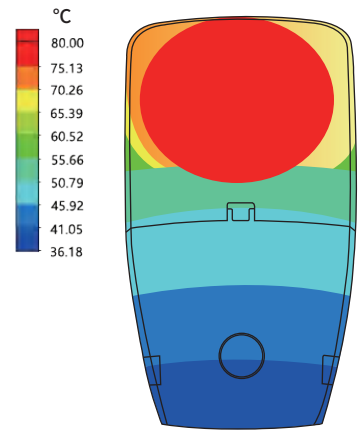
■ Grey



## Ambient Temperature



## Working Temperature



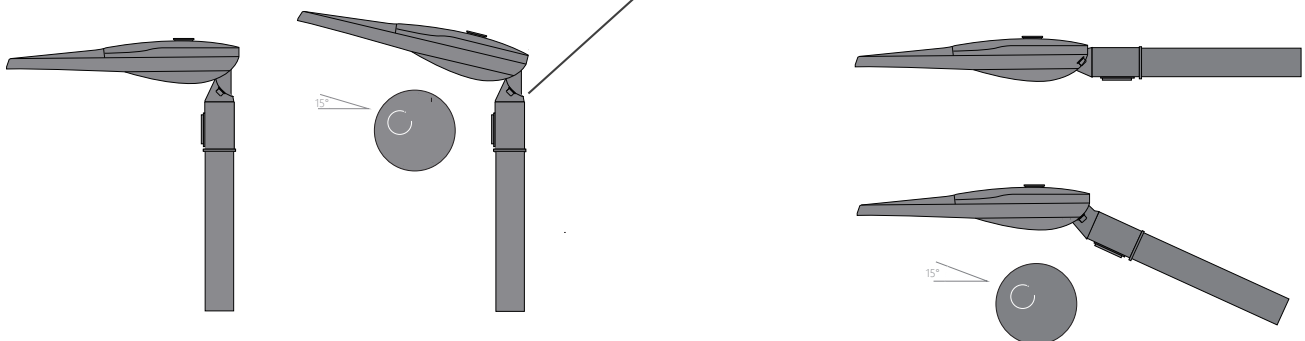
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustment of the inclination: from  $-15^\circ$  to  $+15^\circ$  in the step of  $2.5^\circ$

1. Install the lamp to the pole and tighten the screw.
2. Loosen the connecting rod converter screw and adjust the angle.
3. Tighten connecting rod converter screws.



# HAWK SERIES

ASL07

Application



# SWIFT SERIES

## ASL11



Our SWIFT SERIES makes an affordable LED road lighting solution that ensures sufficient light on your roads & streets. The SWIFT SERIES street light family provides your city with a flexible lighting system which can be deployed anywhere in urban spaces, highways and rural areas -our luminaires provide the optimal light for all application areas. This model is an IP66 protection level, anti-collision level IK08, and IK09 anti-collision level can be customized. As it support changing the lens angle, it can achieve different light distribution types for different projects. And this modal is compatible with built-in light sensors, installation of NEMA bases and Zhaga bases, and fits with all external controllers, motion sensors, and external light sensors.

Citizen well-being and connectivity are key players in the game of differentiation among cities all over the world. And a way to achieve these goals is lighting. Lighting up street and roads enhances the comfort, security and overall safety of our rapidly growing urban environments.



## Product Details



**Breaker**

Blocking or penetrating an overloaded circuit

**Power Supply**

Sosen/Moso/Meanwell/Osram/ Inventronics/Philips Optional

**Surge Protective Device**

Effectively absorb sudden electric energy to protect the connected equipment from damage

**Silica Gel**

**Connector**

Top or side fitting Ø50mm, Ø60mm, Ø76 arm be option, from -15 ° ~ +15 ° angle adjustable

**Photocell**

Control lights on and off by light intensity

**Nema Socket**

Optical control can be connected to 3/5/7PIN interface

**Zhaga Socket**

Connect single lamp controller or mobile monitoring sensor

**Motion Sensor**

Control the light on and off by monitoring the movement of objects

**Honeycomb Cooling**

**Lens**

Optical with PC lenses with high visual comfort and uniform lighting distribution, multiple optical distribution options

## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD3030   SMD5050
Luminous Efficacy	190LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K   5000K
Beam Angle	Type I   Type II   Type III
Number Of Lens	A:4   6 Pcs   B:9 Pcs   C:12Pcs   D:16Pcs   E:20Pcs
Life Time	100000 Hours

### Electrical Parameters

Power A	40W   60W
Power B	40W   60W   80W
Power C	80W   100W   120W
Power D	120W   150W   180W   200W
Power E	200W   240W
Voltage	AC100-240V
Frequency	50/60Hz
Electrical Class	Class I   Class II
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP66
IK Grade	IK09
SPD	10KV   20KV (Optional)

### Driver

Brand	Philips   Inventronics   Sosen   OEM
Power Factor	≥0.95
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 15%

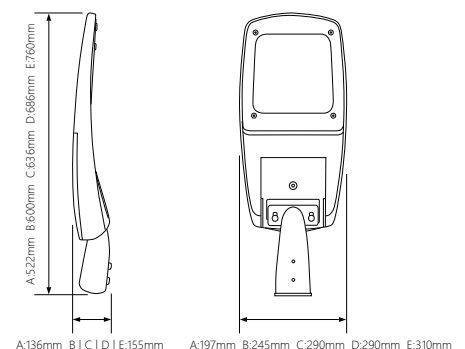
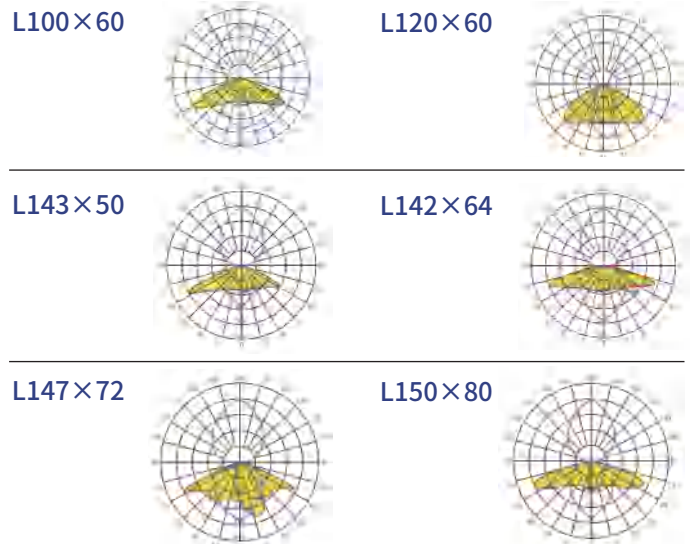
### Materials and Properties

Material Of Shell	Aluminum (ADC12) + Optical Glass
Material Of Lens	PMMA   PC
Color Of Shell	RAL 9022   RAL7040 etc
Pole diameter (mm)	A:50   BCDE:60
Size A (mm)	522*197*136
Size B (mm)	600*245*155
Size C (mm)	636*290*155
Size D (mm)	686*290*155
Size E (mm)	760*310*155

### Tested according to

ENEC	EN 60598-2-3:2003+A1:2011 used in conjunction with EN IEC 60598-1:2021, EN 62262:2002
CB	IEC 60598-2-3:2002+A1 IEC 60598-1:2020  IEC 60598-2-3:2002, IEC 60598-2-3:2002/AMD1:2011 used in conjunction with IEC 60598-1:2020
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ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

### Typical photometric features



Color

■ Black



■ Grey



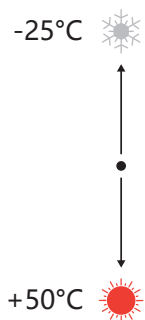
■ Black



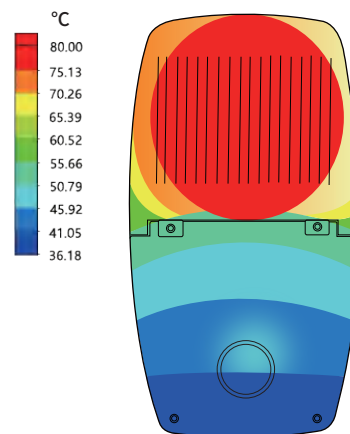
■ Grey



## Ambient Temperature



## Working Temperature



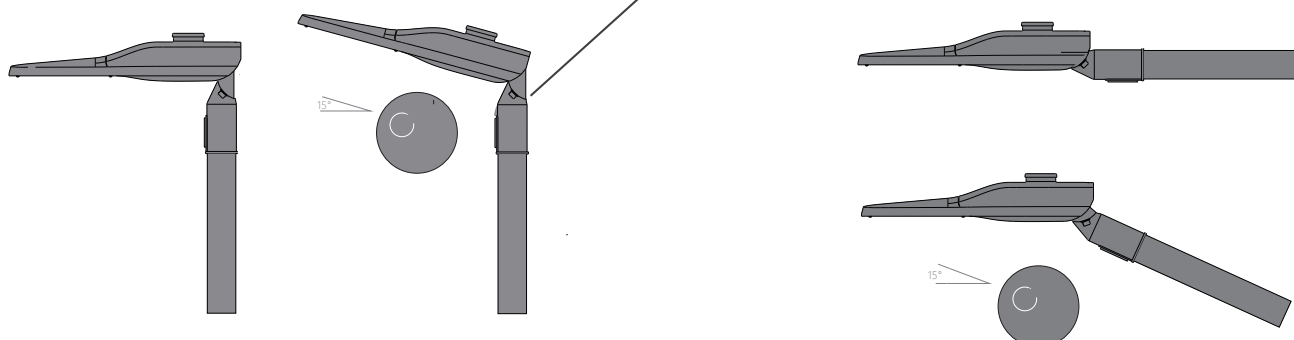
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustment of the inclination: from  $-15^\circ$  to  $+15^\circ$  in the step of  $2.5^\circ$

1. Install the lamp to the pole and tighten the screw.
2. Loosen the connecting rod converter screw and adjust the angle.
3. Tighten connecting rod converter screws.



# SWIFT SERIES

## ASL11

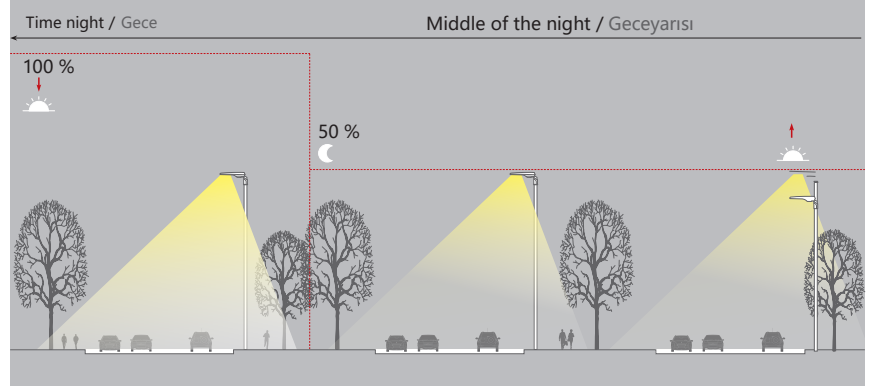
Application



# Falcon

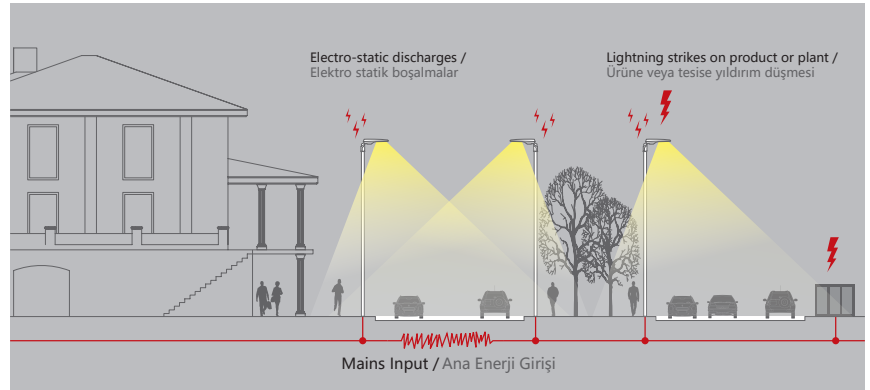
## Falcon DIM

ALITE uses Philips Xitanium Full Programmable LED drivers, Philips Xitanium Lite Programmable LED drivers, EUM series of Inventronics LED drivers and SOSEN VA series LED drivers, to help Falcon series provide multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control system. The unit automatically performs a dimming profile based on customer demand.



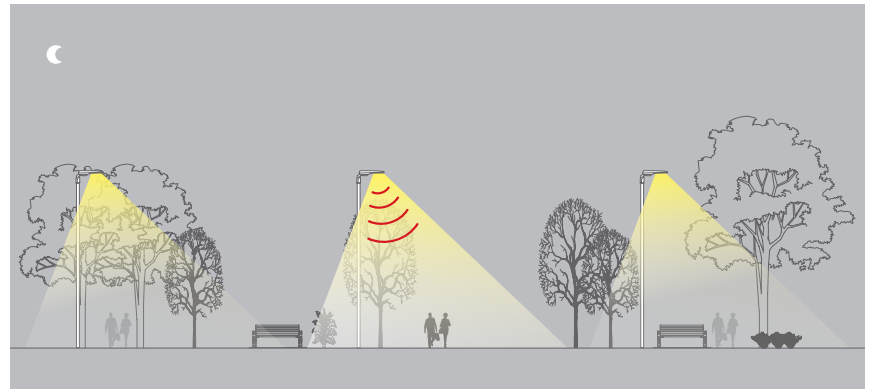
## Protection Against Over-Voltage

It is vital to include a driver protection inside streetlights against atmospheric events like lightning strikes. ALITE includes a separate 10KV surge protector device inside Falcon series.



## Motion Sensor DIM

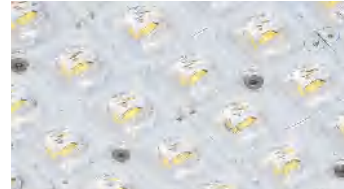
Falcon series can optionally integrate motion sensor upon request. Both percentage of light output and time intervals can be pre-set according to project requirements. Integration of sensorDIM and 1-10V or DALI driver.



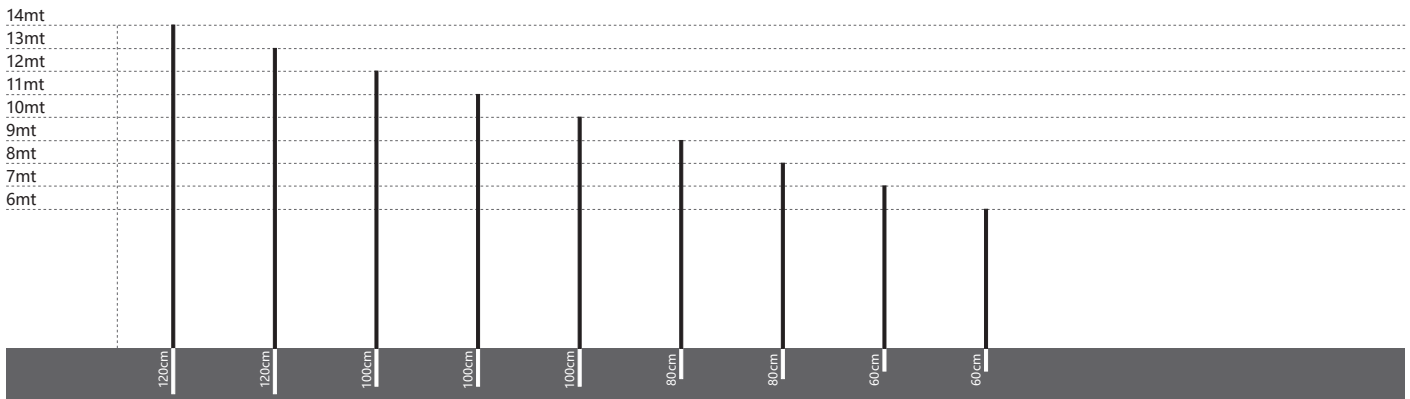
# Falcon

## Optics

High efficiency PMMA lens optic compatible to streetlight standards. Short distance to glass ensures high efficiency with minimum light loss.

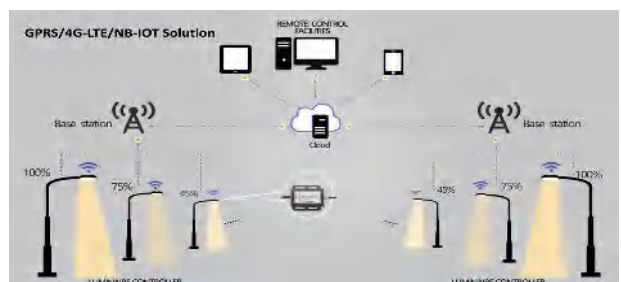
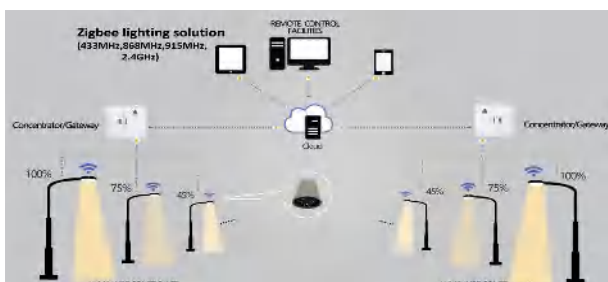
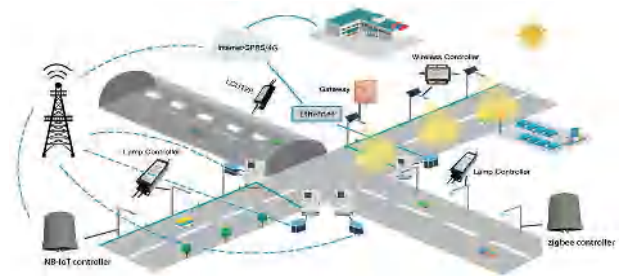


## Advised Pole Heights to be Buried into Ground for Falcon series



## Smart Streetlighting

It is crucial to monitor and manage the operating status of the streetlights constantly. In this way both operating and maintenance costs will fall greatly. Public lighting systems in urban areas are very widespread and tracking the status of each fitting from a central system will ease the operations significantly. ALITE Falcon can be integrated with smart streetlighting solutions both with Zigbee or GPRS. Each luminaire can be integrated with NEMA socket and controller in combination with Gateway covering signal area of 2km sq and central user friendly software.



CE

ErP



- Die-cast aluminum body with powder-coating and anti-corrosion treatment.
- Inventronics, Meanwell, Philips, Moso and self-made led drivers optional.
- Humanized design concept, easy to install and maintain.

## SEAPARD ASL28

ASL28 is the most economical street lamp of our outdoor project lighting with extremely high cost performance. It has four sizes of housing to meet different power requirements. At the same time, the tempered glass on the front and ADC12 Die-casting Aluminum housing bring top quality and meet the protection levels of IP65 and IK08.

ASL28 can be installed horizontally or vertically, this design is rarely seen in other economical street lamps and can meet the installation requirements of different lamp poles. It has a super large driver compartment, which can meet the needs of all brands in the market, such as Philips, Inventronics, etc. The maximum light efficiency can reach 200lm/w, and can achieve 7-year warranty. NEMA base can also be installed to meet needs of modern intelligent lighting.



## Product Details



**Silica Gel**

**Photocell**

Control lights on and off by light intensity

**Surge Protective Device**

Effectively absorb sudden electric energy to protect the connected equipment from damage

**Lens**

Optical with PC lenses with high visual comfort and uniform lighting distribution, multiple optical distribution options

**Honeycomb Cooling**

**Nema Socket**

Optical control can be connected to 3/5/7PIN interface

**Connector**

Top or side fitting Ø50mm, Ø60mm, Ø76 arm be option, from -15 ° ~ +15 ° angle adjustable

**Power Supply**

Sosen/Moso/Meanwell/Osram/ Inventronics/Philips Optional

## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD3030   SMD5050
Luminous Efficacy	130LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K   5000K
Beam Angle	Type I   Type II   Type III
Number of lens	A:6Pcs   B:9Pcs   C:12Pcs   D:15Pcs

### Electrical Parameters

Power A	40W   60W   80W
Power B	100W   120W
Power C	150W   180W
Power D	200W   240W
Voltage	AC100-277V
Frequency	50/60Hz
Electrical Class	Class I   Class II
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP65
IK Grade	IK08
SPD	10KV   20KV (Optional)

### Driver

Brand	Done   Sosen   Inventronics   OEM
Power Factor	>0.9
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 15%

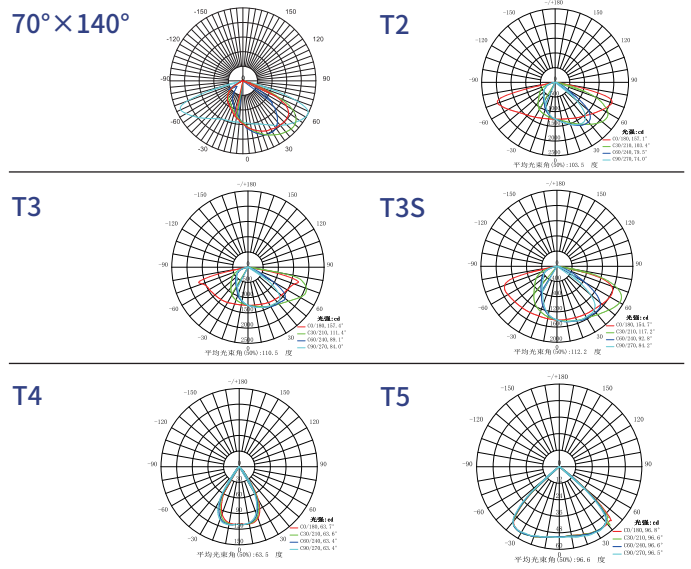
### Materials and Properties

Material Of Shell	Aluminum(ADC12) + Optical Glass
Material Of Lens	PMMA   PC
Pole diameter(mm)	60
Size A (mm)	515*190*98
Size B (mm)	575*242*109
Size C (mm)	615*262*110
Size D (mm)	685*287*110

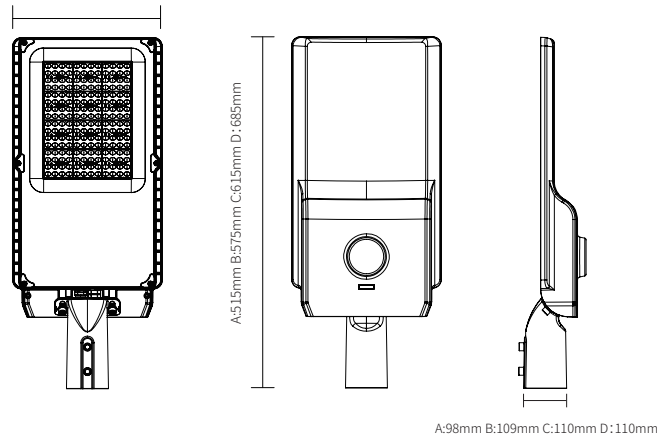
### Tested according to

CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

### Typical photometric features



A:190mm B:242mm C:262mm D:287mm



Color

■ Black



■ Grey



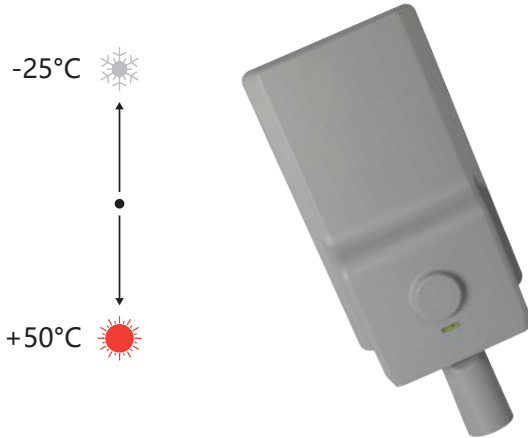
■ Black



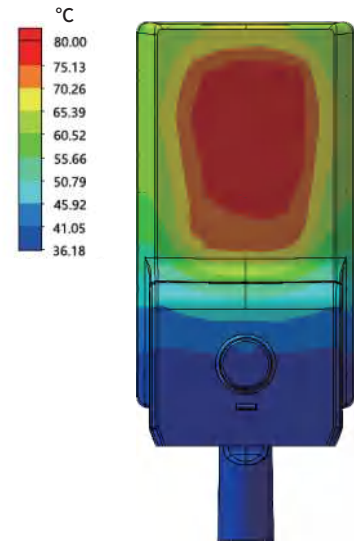
■ Grey



## Ambient Temperature



## Working Temperature



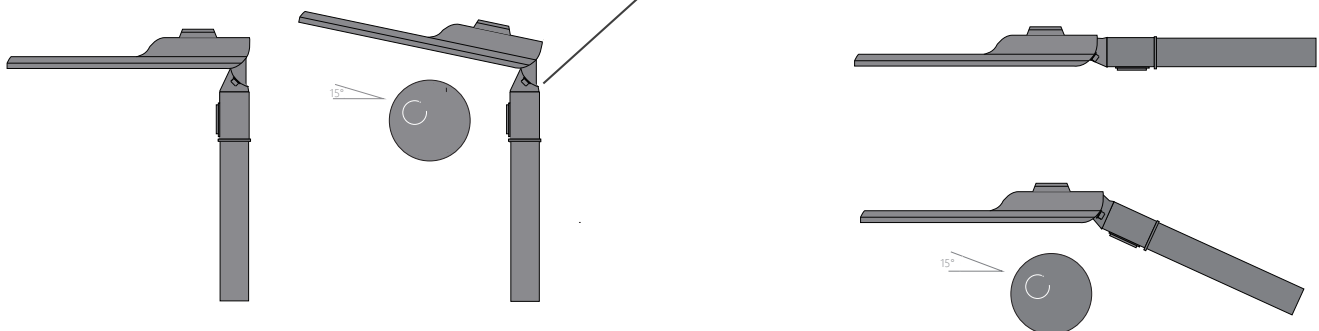
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustment of the inclination: from -15 ° to + 15 ° in the step of 2.5 °

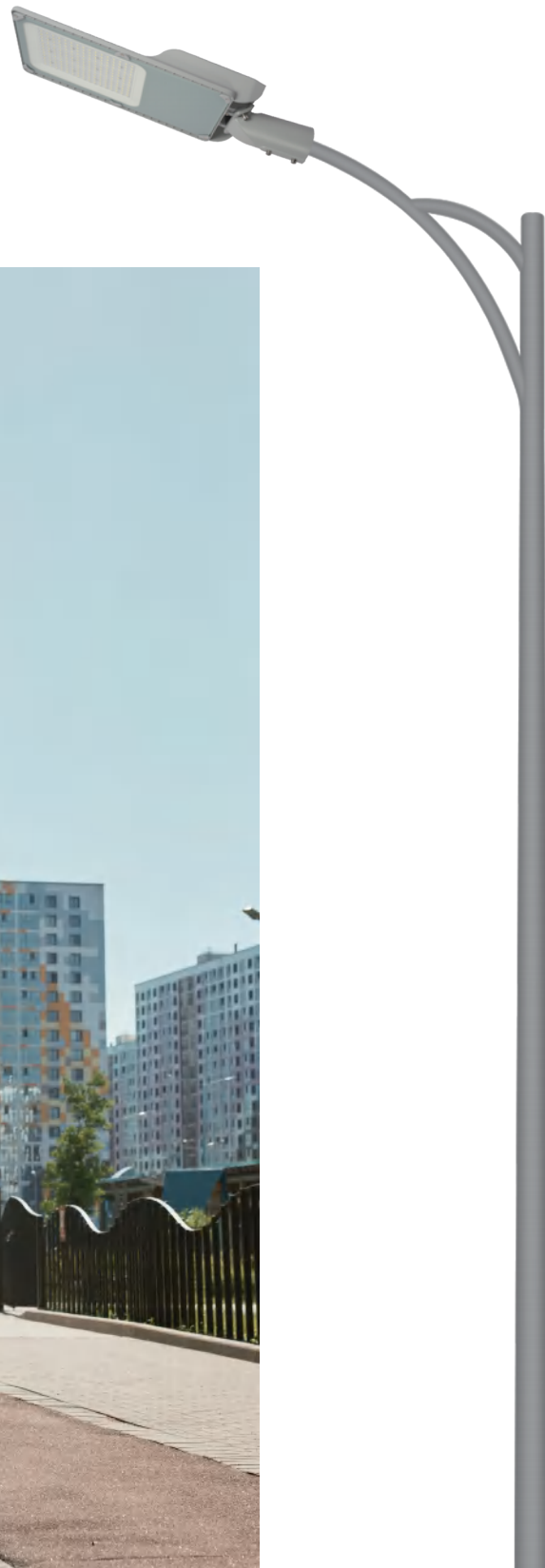
1. Install the lamp to the pole and tighten the screw.
2. Loosen the connecting rod converter screw and adjust the angle.
3. Tighten connecting rod converter screws.



# ELAND SERIES

## ASL28

### Application



CE

ErP



- **BRAND LED LAMP BEADS**

HIGH BRIGHTNESS,HIGH COLOR RENDERING,LONG LIFESPAN

- **BREAKER**

THE DRIVER ROOM IS EQUIPPED WITH A SAFTY SWITCH TO ENSURE THE SAFETY OF THE INSTALLATION AND MAINTENANCE PERSONNEL

## PENGUINE SERIES

### ASL15

ASL15 PENGUINE SERIES are the best outdoor street lamp choice against water, rain and thunder. Moreover, it's easy to install and suitable for different applications because of its medium wide light distribution. In normal working conditions, the innovative street lights PENGUINE outdoor Street Lamp can reach 130 lm/w. At the same time it is subdivided into 5 different sizes, which can save the investment cost of street lamps. With perfect price and high performance, it achieves IP66 protection level and anti-collision level IK08. And the customized commercial street lights can reach IK09 anti-collision grade. Also it supports changing the lens angle to achieve different light distribution types. Again this modal supports the installation of built-in light sensors, installation of NEMA bases and Zhaga bases. And it's compatible with all external controllers, motion sensors, and external light sensors.

## Product Details



**Silica Gel**

**Clasp**  
Easy open

**Power Supply**  
Sosen/Moso/Meanwell/Osram/  
Inventronics/Philips Optional

**Honeycomb Cooling**

**Lens**

Optical with PC lenses with high visual comfort and uniform lighting distribution, multiple optical distribution options

**Photocell**

Control lights on and off by light intensity

**Surge Protective Device**

Effectively absorb sudden electric energy to protect the connected equipment from damage

**Connector**

Top or side fitting Ø50mm ,Ø60mm,  
Ø76 arm be option, from -15 ° ~ +15 °  
angle adjustable

**Nema Socket**

Optical control can be connected to 3/5/7PIN interface

## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD3030   SMD5050
Luminous Efficacy	140LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K 5000K
Beam Angle	Type I   Type II   Type III
Number Of Lens	A:4Pcs   B:6Pcs   C:8Pcs   D:15Pcs   E:18Pcs

### Electrical Parameters

Power A	30W   40W
Power B	50W   60W
Power C	80W   100W
Power D	120W   150W
Power E	180W   200W
Voltage	AC100-277V
Frequency	50/60Hz
Electrical Class	Class I   Class II
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP66
IK Grade	IK08
SPD	10KV   20KV (Optional)

### Driver

Brand	Philips   Inventronics   Sosen   OEM
Power Factor	>0.9
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 15%

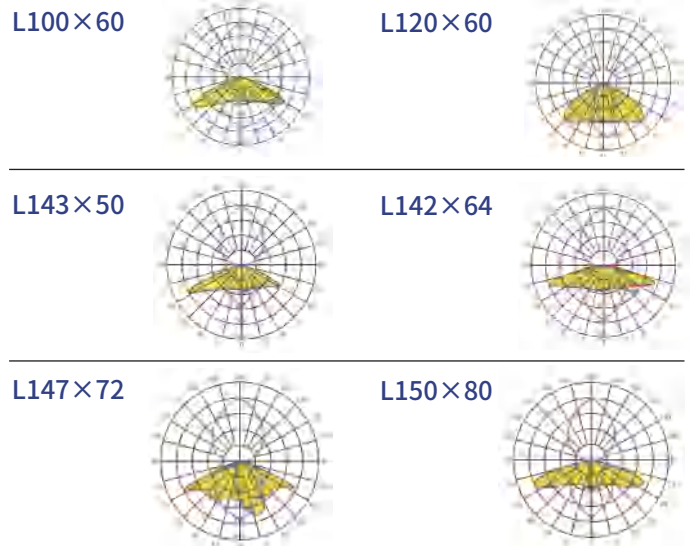
### Materials and Properties

Material Of Shell	Aluminum(ADC07)+Optical Glass
Material Of Lens	PMMA   PC
Pole diameter (mm)	AB:40   CDE:60
Size A (mm)	420*180*100
Size B (mm)	470*180*110
Size C (mm)	560*240*115
Size D (mm)	690*280*130
Size E (mm)	740*280*130

### Tested according to

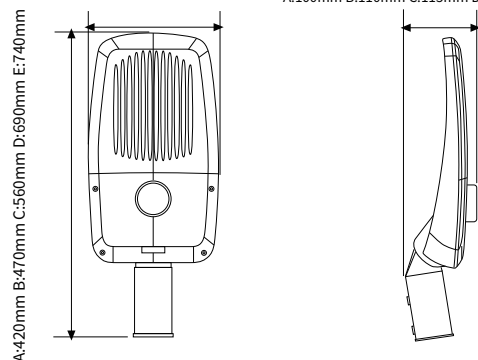
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

### Typical photometric features



A:180mm B:180mm C:240mm D:280mm E:280mm

A:100mm B:110mm C:115mm D:130mm E:130mm





Color

■ Dark Grey



■ Grey



■ Dark Grey



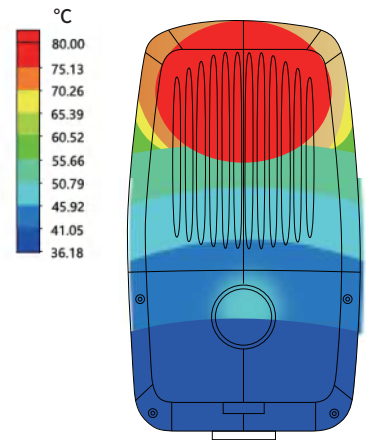
■ Grey



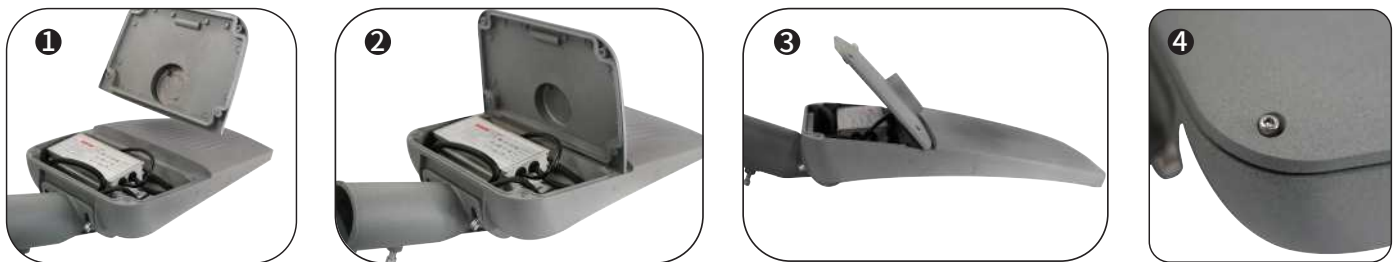
## Ambient Temperature



## Working Temperature



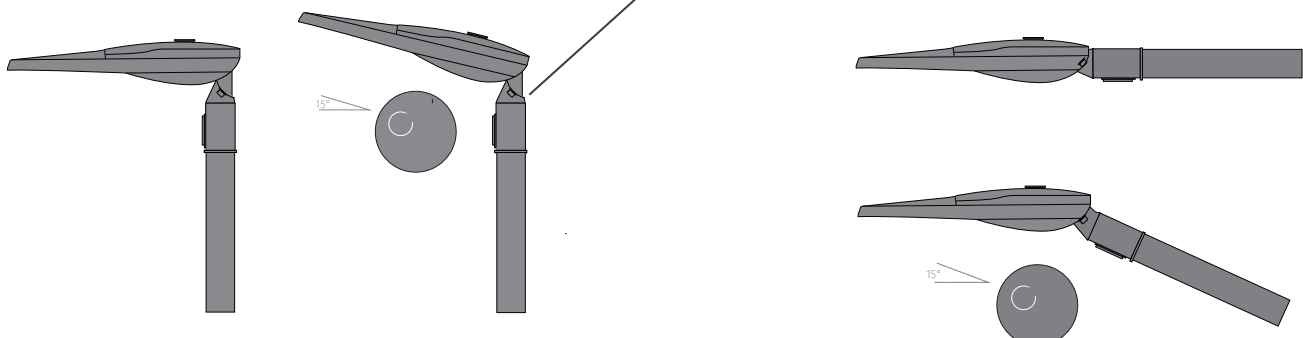
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustment of the inclination: from  $-15^\circ$  to  $+15^\circ$  in the step of  $2.5^\circ$

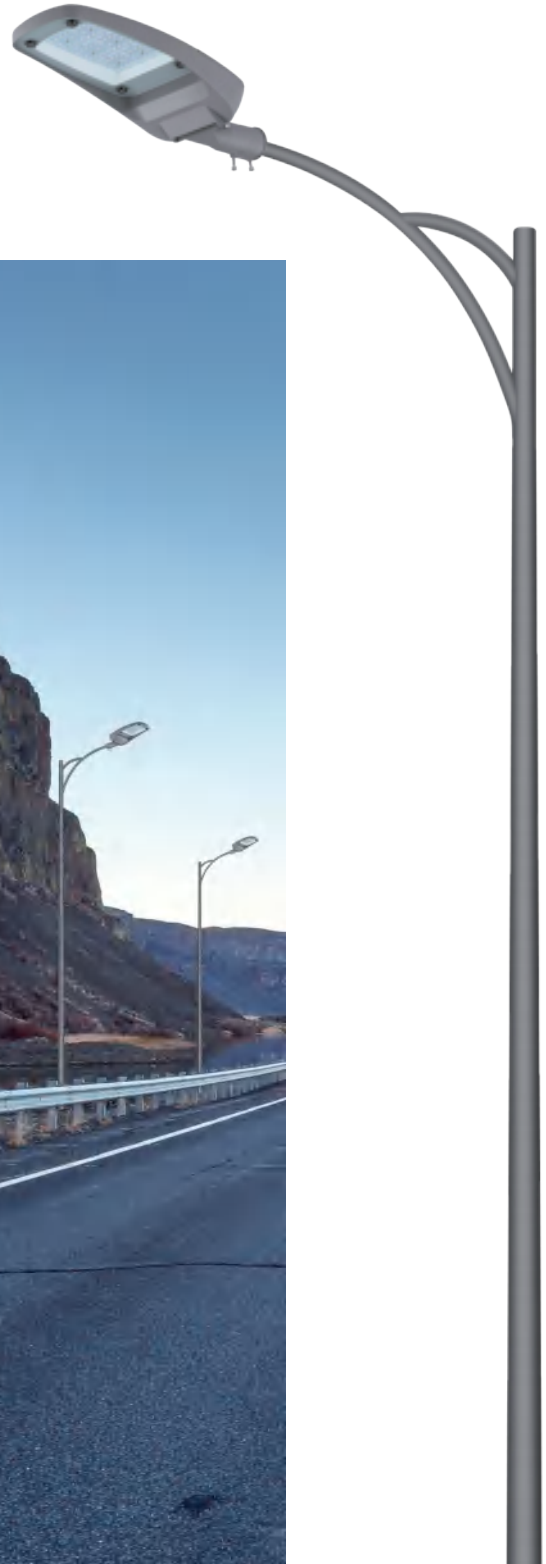
1. Install the lamp to the pole and tighten the screw.
2. Loosen the connecting rod converter screw and adjust the angle.
3. Tighten connecting rod converter screws.



# PENGUINE SERIES

## ASL15

Application



CE

ErP



- **BRAND LED LAMP BEADS**

HIGH BRIGHTNESS,HIGH COLOR RENDERING, LONG LIFESPAN

- **BREAKER**

THE DRIVER ROOM IS EQUIPPED WITH A SAFTY SWITCH TO ENSURE THE SAFETY OF THE INSTALLATION AND MAINTENANCE PERSONNEL

## HUMMER SERIES

### ASL43

ASL HUMMER SERIES are the series of Streetlight Fixtures that has been designed with LED transition in mind, whether to replace old HID lanterns, or Streetlight Fixtures on a new country, in places where you want citizens to feel safe. THE HUMMER Streetlight Fixtures offer simple benefits and reliable performance for roundabouts, crossings footpaths, industrial and civic areas. In addition, the linear driver design allows the ultra-thin appearance of Streetlight Fixtures , which gives a better wind resistance, with protection levels of IP65, and IK08.

Moreover, the option of built-in light sensor is available that allows the system to turn on the light at dark and turn it off at daylight auto-matically, making it perfect for all types of installation. Also there are external light sensors.

## Product Details



## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD3030   SMD5050
Luminous Efficacy	140LM/W
Color Rendering Index (RA)	>70   80   90
Color Temperature	2400K   2700K   3000K  4000K   5000K
Beam Angle	Type I   Type II   Type III
Number Of Lens	A:6Pcs   B:8Pcs   C:15Pcs   D:20Pcs
Life Time	100000 Hours

### Electrical Parameters

Power A	50W   60W
Power B	90W   100W
Power C	120W   150W
Power D	200W   240W
Voltage	AC100-277V
Electrical Class	Class I   Class II
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP66
IK Grade	IK08
SPD	10KV   20KV (Optional)

### Driver

Brand	Philips   Inventronics   Sosen   OEM
Power Factor	>0.9
Performance	> 0.9
THD	< 15%

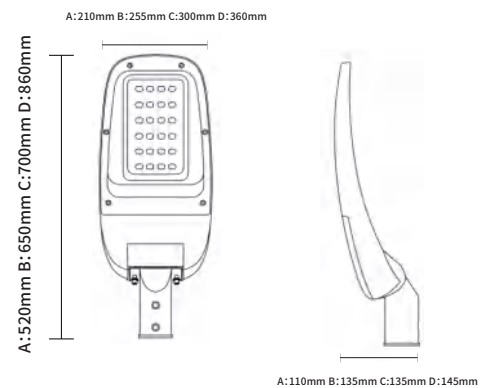
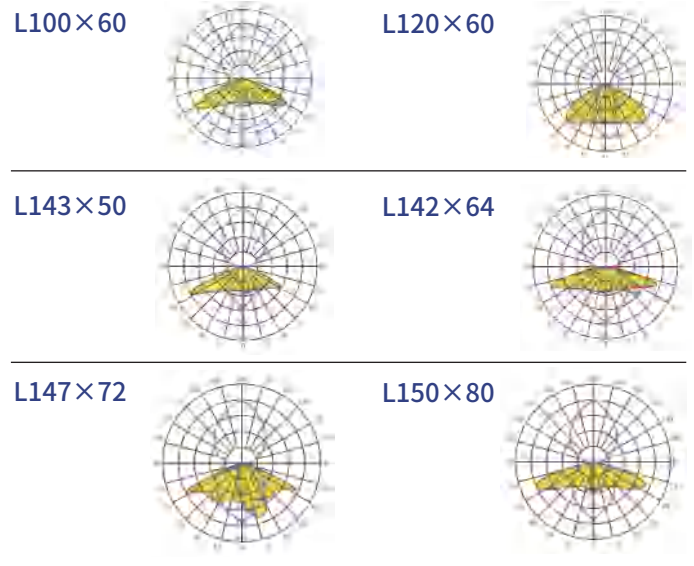
### Materials and Properties

Materials	Aluminum(ADC12) +Optical glass
Material Of Lens	PC   PMMA
Pole diameter (mm)	A:50 60   BCD:60
Size A (mm)	520*210*110
Size B (mm)	650*255*135
Size C (mm)	700*300*135
Size D (mm)	860*360*145

### Tested according to

CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

### Typical photometric features



Color

■ Black



■ Grey



■ Black



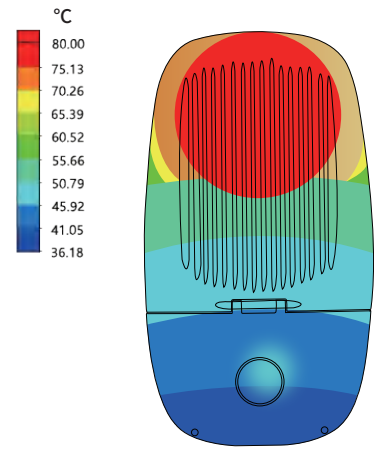
■ Grey



## Ambient Temperature



## Working Temperature



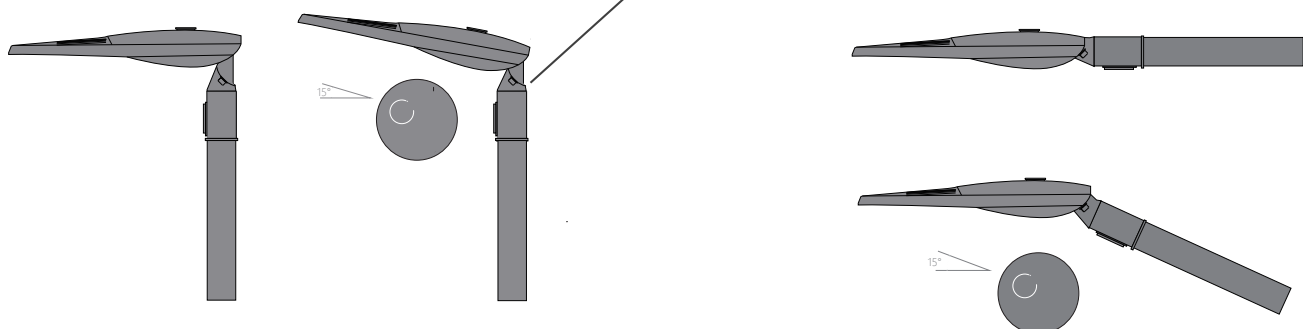
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustment of the inclination: from  $-15^\circ$  to  $+15^\circ$  in the step of  $2.5^\circ$

1. Install the lamp to the pole and tighten the screw.
2. Loosen the connecting rod converter screw and adjust the angle.
3. Tighten connecting rod converter screws.





# HUMMER SERIES

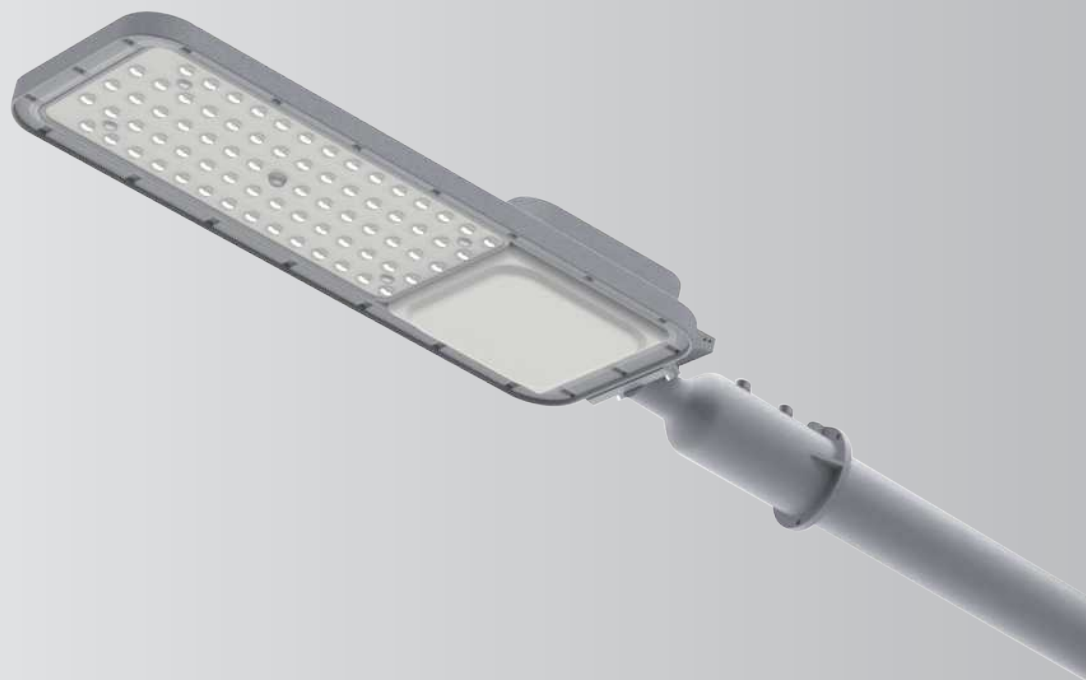
## ASL43

Application



CE

ErP



- **BRAND LED LAMP BEADS**

HIGH BRIGHTNESS,HIGH COLOR RENDERING,LONG LIFESPAN

- **SHAPE**

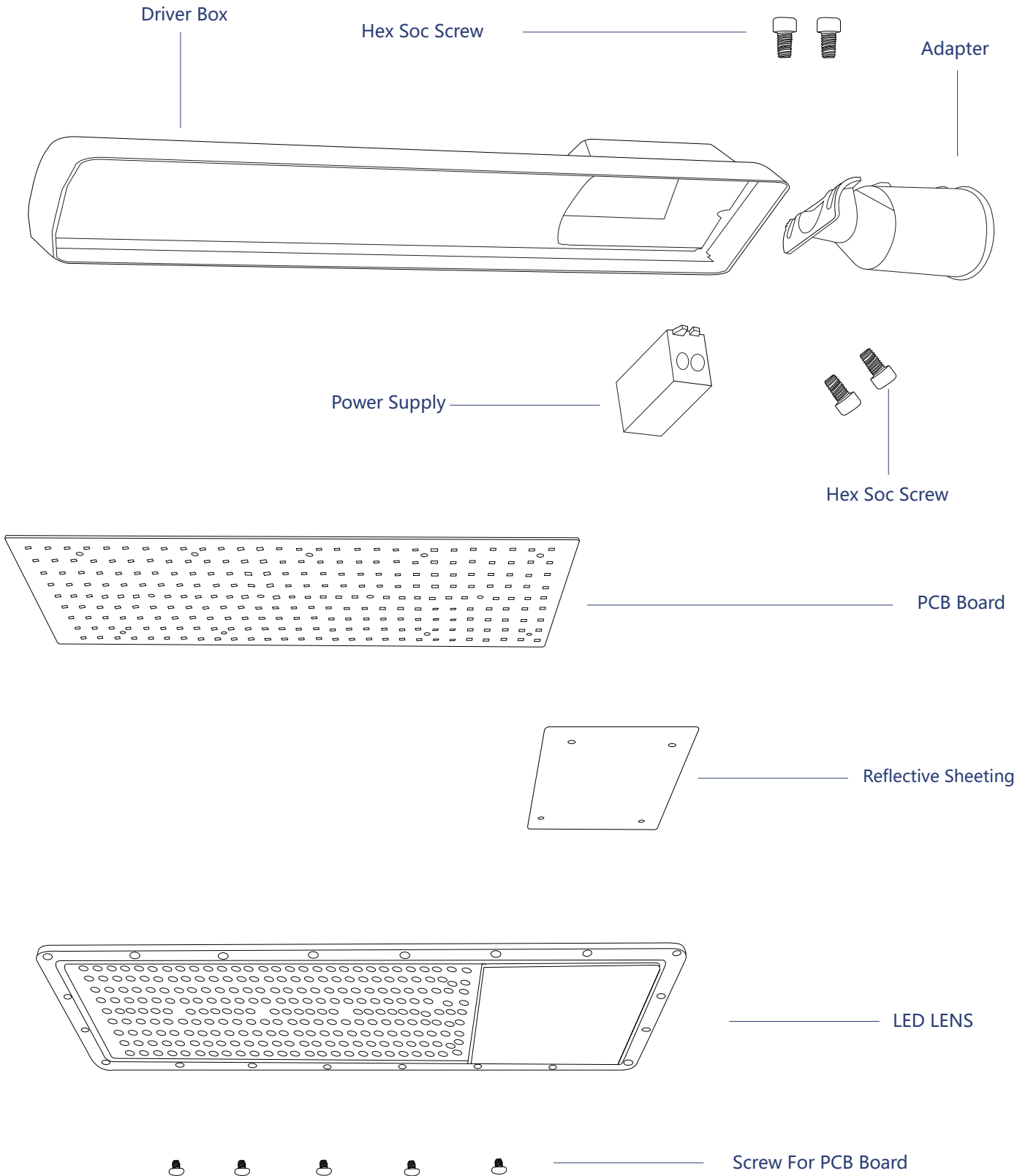
COME WITH COMPACT EXTRA SLIM SHAPE ENSURE EASY INSTALLATION AND HIGH PERFORMANCE

## LEOPAED SERIES

### ASL48 Pro

The ASL48 Pro series is our latest economical engineering street light. It has four sizes of ABCD corresponding to different power usage requirements, and can meet the four mainstream solutions. The ALS48 Pro has a small and thin housing, and has IP65 and IK08 protection grades. So it can be easily installed and achieve ultra-high performance even in windy areas. The new generation of ASL48 Pro is a relatively perfect street light product. It has high performance and achieves the best cost street light fixture. Using anti-UV PC material, the light-emitting angle reaches 140\*70 degrees. The diameter of the connecting rod of the four sizes of ABCD lamps of ASL48Pro is 60 mm, which meets the needs of customers with low power and large diameter. ASL48 PRO also can compatible with the external light sensor of NEMA base, which can automatically turn off the LED during the day and automatically turn on the LED at night. It is suitable for use in all kind of environments.

## Product Details



## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD2835   SMD3030
Luminous Efficacy	110LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K   5000K
Beam Angle	80° × 130°
Number Of Leds	A:72 Pcs   B:144 Pcs   C:216Pcs   D:288Pcs
Life Time	100000 Hours

### Electrical Parameters

Power A	50W   60W
Power B	100W   120W
Power C	150W
Power D	180W   200W
Voltage	AC100-277V
Frequency	50/60Hz
Electrical Class	Class I
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP65
IK Grade	IK08
SPD	10KV   20KV (Optional)

### Driver

Driver Type	Linear   DOB   Non-Isolated   Isolated
Power Factor	>0.90
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 15%

### Materials and Properties

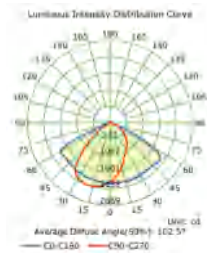
Material Of Shell	Aluminum (ADC12)
Material Of Lens	PMMA   PC
Color Of Shell	RAL 9022   RAL7040 etc
Pole diameter (mm)	60
Size A (mm)	448.6*143.8*100
Size B (mm)	511*165.5*100
Size C (mm)	617.3*207*100
Size D (mm)	687.5*234.6*100

### Tested according to

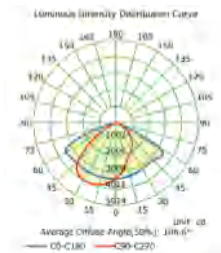
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

### Typical photometric features

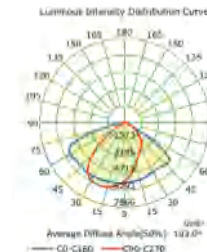
50W



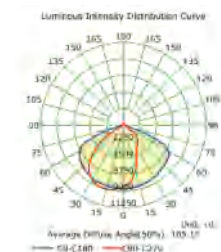
100W



150W

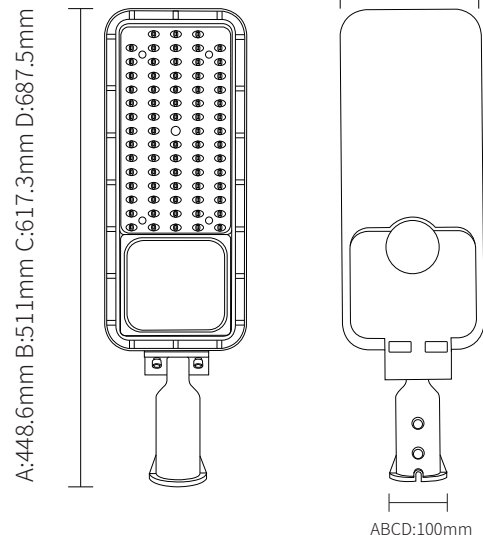


200W



### Dimensiones

A:143.8mm B:165.5mm C:207mm D:234.6mm



Color

■ Black



■ Grey



■ Black



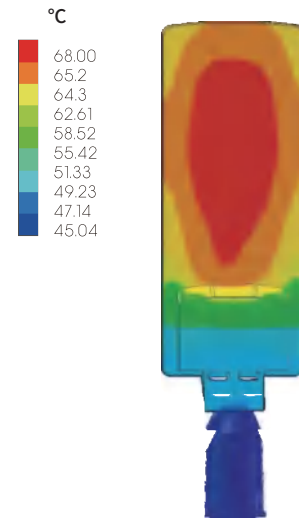
■ Grey



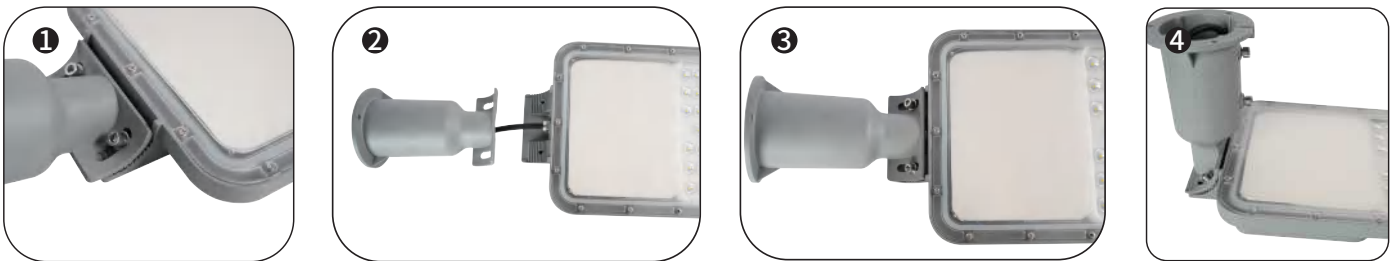
## Ambient Temperature



## Working Temperature



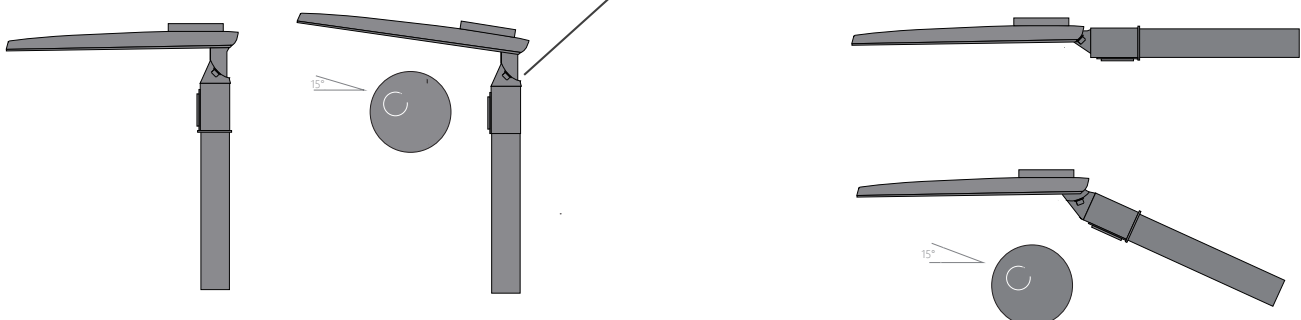
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustment of the inclination: from  $-15^\circ$  to  $+15^\circ$  in the step of  $2.5^\circ$

1. Install the lamp to the pole and tighten the screw.
2. Loosen the connecting rod converter screw and adjust the angle.
3. Tighten connecting rod converter screws.



## LEOPAED SERIES

ASL48 Pro

Application



CE

ErP



## MANTA SERIES

### ASL40

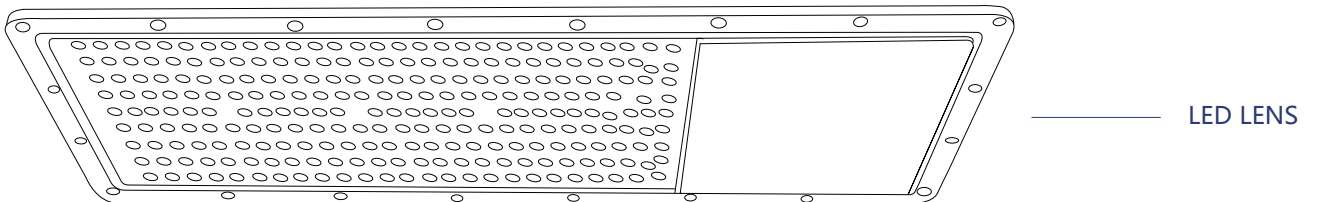
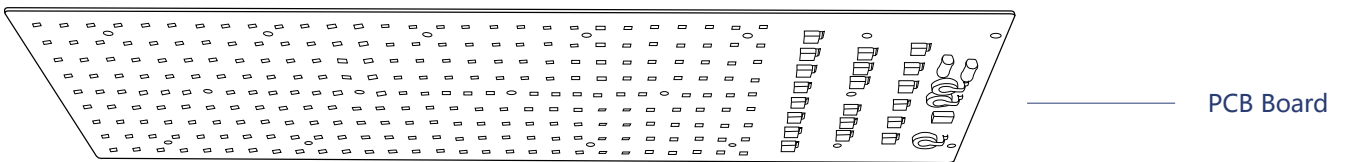
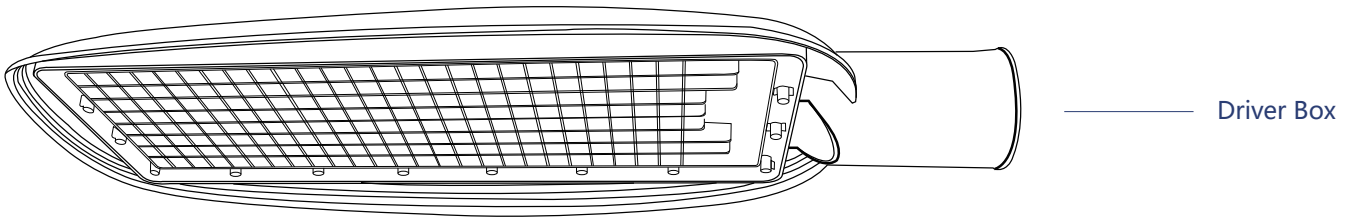
- **MILITARY SHELL**  
EFFICIENT HEAT DISSIPATION

- **BREAKER**  
THE DRIVER ROOM IS EQUIPPED WITH A SAFTY SWITCH TO ENSURE THE SAFETY OF THE INSTALLATION AND MAINTENANCE PERSONNEL

The ASL40 MANTA street light is called the Manta model, which is our main style in 2022. This style has good heat dissipation, is lightweight, easy to install and very economical. It is very suitable for South Asia, South America, Middle East and other markets. The brightness, is suitable for use in all environments.



# Product Details



## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD2835   SMD3030
Luminous Efficacy	100LM/W
Color Rendering Index (RA)	>70   80   90
Color Temperature	2400K   2700K   3000K   4000K   5000K
Beam Angle	80° × 120°
Number Of Leds	A:72Pcs   B:144Pcs   C:192Pcs   D:252Pcs
Life Time	100000 Hours

### Electrical Parameters

Power A	50W
Power B	100W
Power C	150W
Power D	200W
Voltage	AC220-240V   AC100-277V
Electrical Class	Class I
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP65
IK Grade	IK08
SPD	10KV   20KV (Optional)

### Driver

Drive Type	Linear   DOB
Power Factor	>0.9
Performance	> 0.9
THD	< 15%

### Materials and Properties

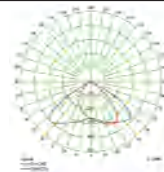
Materials	Aluminum (ADC07)
Material Of Lens	PC   PMMA
Pole diameter (mm)	60
Size A (mm)	390*160*75
Size B (mm)	470*200*75
Size C (mm)	530*220*75
Size D (mm)	600*250*75

### Tested according to

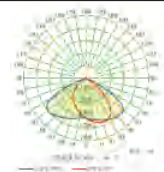
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

### Typical photometric features

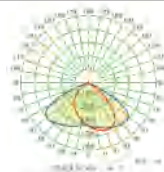
50W



100W



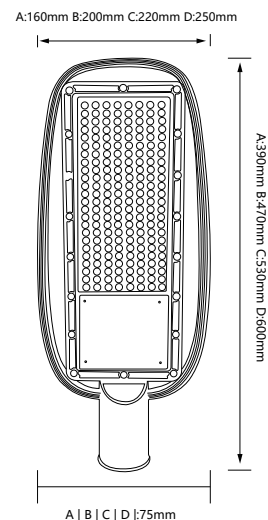
150W



200W



### Dimensiones



Color

■ Black



■ Grey



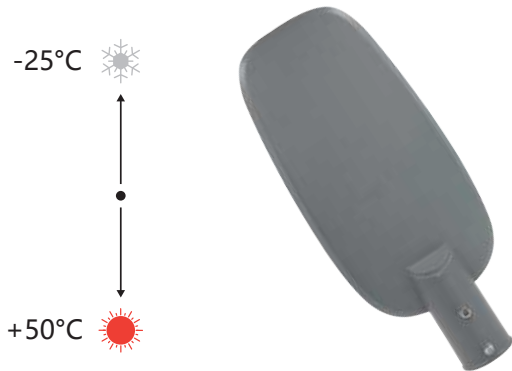
■ Black



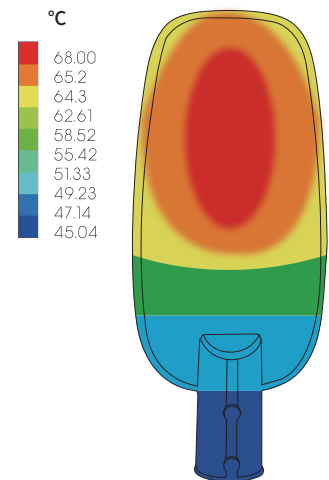
■ Grey



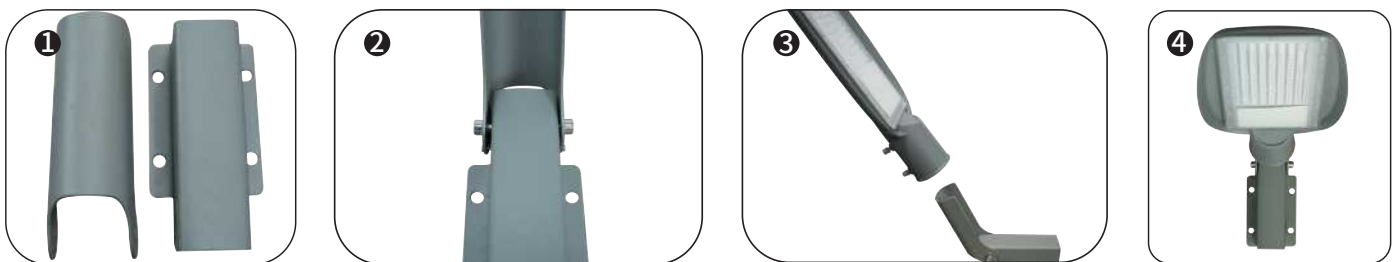
## Ambient Temperature



## Working Temperature



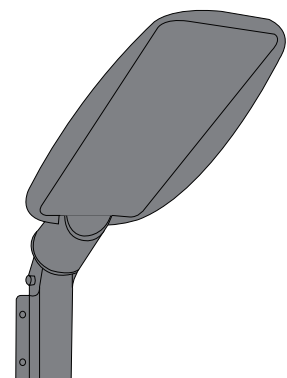
## Split Diagram



## Installation Diagram

1. Install the lamp to the pole and tighten the screw.
2. Loosen the connecting rod converter screw and adjust the angle.
3. Tighten connecting rod converter screws.

1. Insert the lamp into the half round end of the converter and tighten the screws.
2. Fix the other end to the wall.
3. Put 4 screws into the corresponding screw holes.



# MANTA SERIES

ASL40

Application



CE

ErP



- **MILITARY SHELL**  
EFFICIENT HEAT DISSIPATION

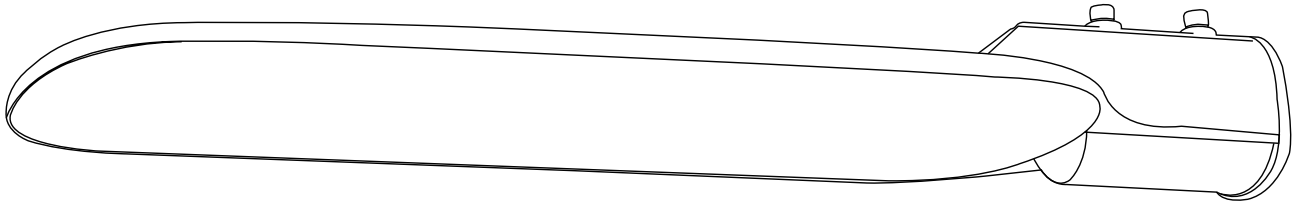
- **BREAKER**  
THE DRIVER ROOM IS EQUIPPED WITH A SAFTY SWITCH TO ENSURE THE SAFETY OF THE INSTALLATION AND MAINTENANCE PERSONNEL

## SARDINE SERIES

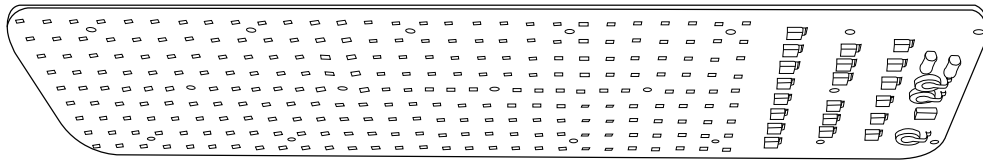
### ASL46

ASL46 SERIES OR THE SARDINE are the series of Streetlight Fixtures that has been designed with LED transition in mind, whether to replace old HID lanterns, or to put Streetlight Fixtures on a new country, in the places where you want citizens to feel safe. THE SARDINE Streetlight Fixtures offer simple benefits and reliable performance for roundabouts, crossings footpaths, industrial and civic areas. In addition, the linear driver design allows the ultra-thin appearance of Streetlight Fixtures, which gives a better wind resistance, with protection levels of IP65, and IK08. Moreover the option of built-in light sensor is available that allows the system to turn on the light at dark and turn it off at daylight automatically, making it perfect for all types of installation.

# Product Details



Driver Box

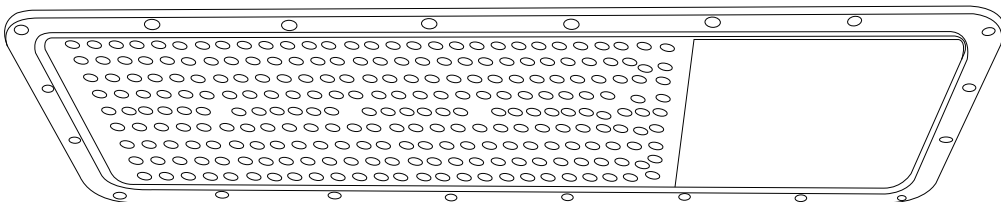
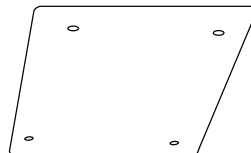


PCB Board



Screw For PCB Board

Reflective Sheeting



LED LENS



Hex Soc Screw

## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD2835   SMD3030
Luminous Efficacy	110LM/W
Color Rendering Index (RA)	>70   80   90
Color Temperature	2400K   2700K   3000K   4000K   5000K
Beam Angle	80°×130°
Number Of Leds	A:72Pcs   B:144Pcs   C:222Pcs   D:288Pcs
Life Time	100000 Hours

### Electrical Parameters

Power A	50W   60W
Power B	80W   100W   120W
Power C	150W
Power D	180W   200W
Voltage	AC220-240V   AC100-277V
Electrical Class	Class I
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP65
IK Grade	IK08
SPD	10KV   20KV (Optional)

### Driver

Drive Type	Linear   DOB
Power Factor	>0.9
Performance	> 0.9
THD	< 15%

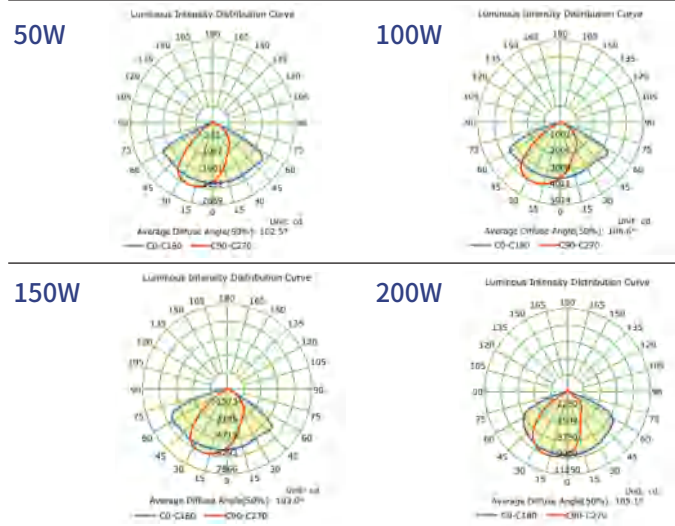
### Materials and Properties

Materials	Aluminum(ADC07)
Material Of Lens	PC   PMMA
Pole diameter (mm)	A:50   B:50\60   C:60   D:60
Size A (mm)	362*145*62
Size B (mm)	486*165*72
Size C (mm)	545*206*72
Size D (mm)	623*235*72

### Tested according to

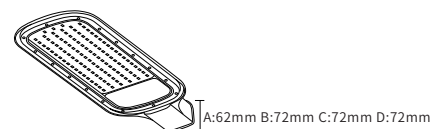
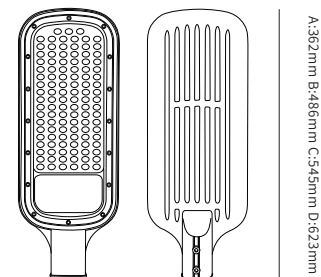
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

### Typical photometric features



### Dimensiones

A:145mm B:165mm C:206mm D:235mm





Color

■ Black



■ Grey



■ Black



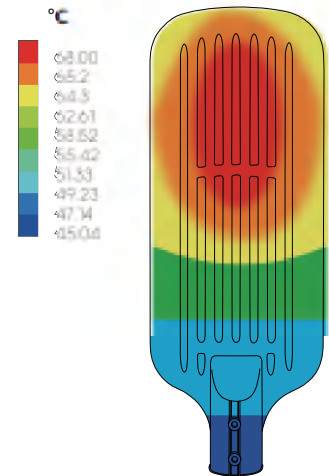
■ Grey



## Ambient Temperature



## Working Temperature



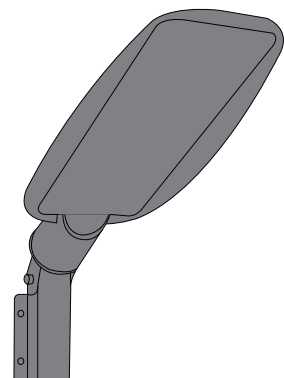
## Split Diagram



## Installation Diagram

1. Install the lamp to the pole and tighten the screw.
2. Loosen the connecting rod converter screw and adjust the angle.
3. Tighten connecting rod converter screws.

1. Insert the lamp into the half round end of the converter and tighten the screws.
2. Fix the other end to the wall.
3. Put 4 screws into the corresponding screw holes.



## SARDINE SERIES

ASL46

Application



# AGL10    AGL11

CE    ErP

AGL10 and AGL11 are very cost-effective garden lamp series. The design inspiration of its appearance comes from foreign lamp shell designers. It has a small appearance and perfect integration with PC anti glare hood, reflecting the perfect industrial style. AGL10 and AGL11 are applicable to amusement parks, parks, wharves, industrial areas and other places. They illuminate the environment and provide reliable performance. AGL10 and AGL11 are made of ADC12. The waterproof grade has reached IP65. They can work in the working environment of -30 °C -50 °C. They can be used in the natural environment for one year to ensure that they do not change color, and the corrosion resistance has reached WF1. AGL10 and AGL11 can use the conventional symmetric angle or the asymmetric angle like type3. The luminous efficiency is up to 100LM/W, providing reliable brightness lighting and power utilization.





AGL10



AGL11

Main applications



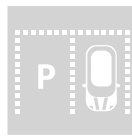
URBAN & RESIDENTIAL STREETS



BIKE & PEDESTRIAN PATHS



SQUARES & PEDESTRIAN AREAS



CAR PARKS



BRIDGES



RAILWAY STATIONS & METROS

Columns



## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD2835   SMD3030
Luminous Efficacy	120LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K   5000K
Beam Angle	60°   90°   120°   80*150°
Number Of Led	AGL10:324Pcs   AGL11:342Pcs
Life Time	100000 Hours

### Electrical Parameters

Power	45W   60W
Voltage	AC100-277V
Electrical Class	Class I Class II
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP65
IK Grade	IK08
SPD	10KV   20KV (Optional)

### Driver

Brand	Philips   Inventronics   Sosen   OEM
Power Factor	> 0.9
Performance	> 0.9
THD	< 15%

### Materials and Properties

Materials	Aluminum(ADC12)
Material Of Lens	PC   PMMA
Pole diameter (mm)	60
Size AGL10 (mm)	360*467
Size AGL11(mm)	440*467

### Tested according to

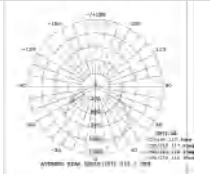
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

### Typical photometric features

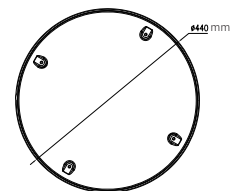
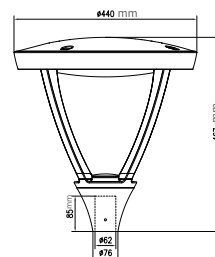
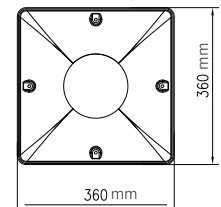
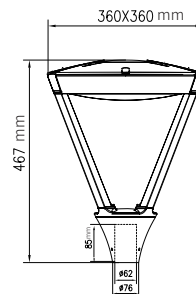
AGL10



AGL11



### Dimensiones





ZHEJIANG ALITE LIGHTING CO.,LTD



[www.alitecn.com](http://www.alitecn.com)

[info@alitecn.com](mailto:info@alitecn.com)

Tel: +86 576 88861388