

# LUMINARIAS

Solución excepcional para iluminar espacios con eficiencia y durabilidad



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# LUMINAIRE RANGE



Falcon  
25

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



# FALCON SERIES

ASL29

Application



# FALCON SERIES

## ASL29



ASL29 FALCON SERIES emblem falcon in the city sky. It has been professionally designed to reach 220 lm/w, making it one of the most energy-efficient systems in the lighting field. ASL29 FALCON SERIES can be installed horizontally and vertically because of flexible rotating connector. At the same time, the pioneering usage of rear driver compartments can form an independently disassembled structure, reducing the time and the risk of high-altitude maintenance. In this way, Components can be replaced and maintained in studio instead of in high altitude. The innovative waterproof structures enables the water protection level to reach IP66, and the anti-collision level IK09 (IK10 can be customized). Lighting angles can be adjusted to adapt to different roads through customizable beam angle of lens. And this model not only fits built-in light sensors, NEMA bases and Zhaga bases, but also all external controllers, external light sensors and motion sensors.

# Product Details



**Clasp**  
Easy to open

**A++LSR**

A++ nipple grade silicone

**Surge Protective Device**

Effectively absorbs sudden electric energy to protect the connected equipment from being damaged

**Power Supply**

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

**Breaker**

Blocking or penetrates an overloaded circuit

**Photocell**

Turns lights on and off according to the 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, only the driver needs to be removed from the body. And you can do that without tools

**Honeycomb Cooling**

**Lens**

A variety of PC lenses with high visual comfort and uniform lighting distributions for you to choose

**Zhaga Socket**

Connects single lamp controller or mobile monitoring sensor

**Motion Sensor**

Turns lights on and off by monitoring the movement of objects

**Connector**

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

## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD3030   SMD5050
Luminous Efficacy	220LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K 5000K   6500K
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	10W—80W
Power B	80W—150W
Power C	150W—200W
Voltage	AC85-305V   AC450-480V
Frequency	50/60Hz
Electrical Class	Class I   Class II
Work Temperature	(-35 °C to 65 °C)
Humidity	10 % to 90%
IP Grade	IP65   IP66
IK Grade	IK08   IK09   IK10
SPD	10KV   20KV (Optional)

### Driver

Brand	Philips   Inventronics   Meanwell   Sosen   OEM
Power Factor	>0.95
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 12%

### Materials and Properties

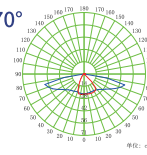
Material Of Shell	Aluminum (ADC12) +Optical Glass
Material Of Lens	PMMA   PC
Color Of Shell	RAL 7022   RAL7040 etc (customized by customer)
Pole diameter (mm)	60   76
Size A (mm)	578*238*123
Size B (mm)	680*266*123
Size C (mm)	798*300*123

### Tested according to

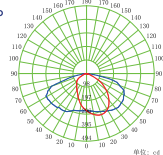
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CB	IEC 60598-2-3:2002+A1 IEC 60598-1:2020  IEC 60598-2-3:2002, IEC 60598-2-3:2002/AMD1:2011 used in conjunction with IEC 60598-1:2020
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN IEC 55015:2019+A11 EN 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

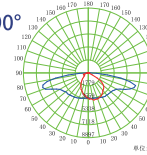
T- I -M 160\*70°



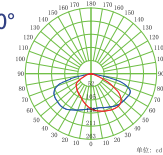
T- II -S 150\*80°



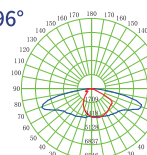
T- II -M 160\*90°



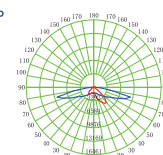
T-III-S 150\*100°



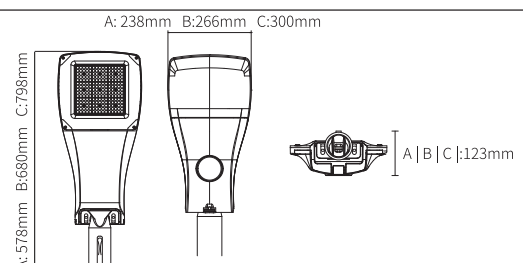
T-III-M 165\*96°



T-III-L 160\*65°



### Dimensions



# 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



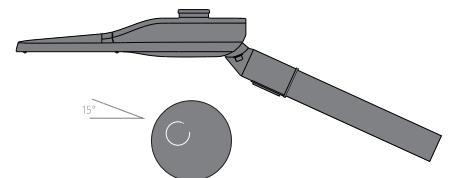
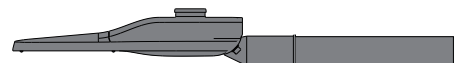
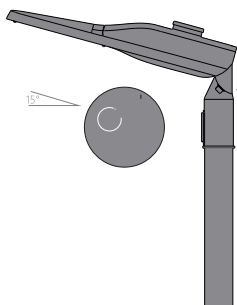
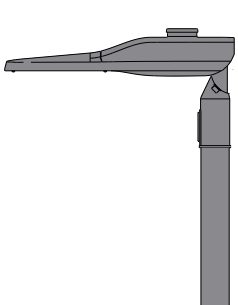
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustable angles: from -15 ° to + 15 ° , 2.5° at a time.

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



# SAKER SERIES

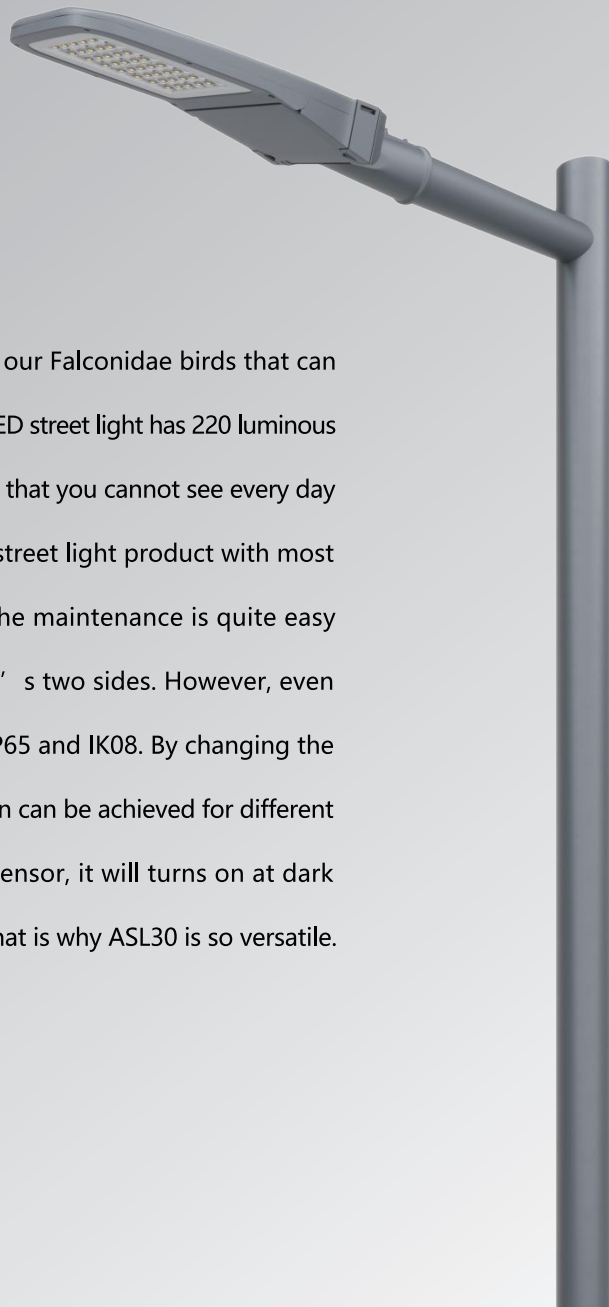
ASL30

Application



# SAKER SERIES

## ASL30



ASL30 SAKER SERIES is just another bird of our Falconidae birds that can illuminate the sky of our cities. ASL30 SAKER LED street light has 220 luminous efficacy which makes it one of the luminaries that you cannot see every day around you. It is definitely the perfect LED street light product with most optimal costs and professional solution. The maintenance is quite easy with the tool-free opening design on lamp' s two sides. However, even with this design, this model can still meet IP65 and IK08. By changing the beam angle of lens, different light distribution can be achieved for different roads and scenarios. With a built-in light sensor, it will turns on at dark and turn off during the day automatically. That is why ASL30 is so versatile.

# Product Details



**Breaker**

Blocking or penetrates an overloaded circuit

**Connector**

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

**Clasp**

Easy to open

**A++ LSR**

A++ nipple grade silicone

**Lens**

A variety of PC lenses with high visual comfort and uniform lighting distributions for you to choose

**Zhaga Socket**

Connects single lamp controller or mobile monitoring sensor

**Honeycomb Cooling**

**Photocell**

Turns lights on and off according to the light intensity

**Motion Sensor**

Turns lights on and off by monitoring the movement of objects

**Surge Protective Device**

Effectively absorbs sudden electric energy to protect the connected equipment from being damaged

**Power Supply**

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

**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	220LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K 5000K   6500K
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	10W—80W
Power B	80W—150W
Power C	150W—200W
Voltage	AC85-305V   AC450-480V
Frequency	50/60Hz
Electrical Class	Class I   Class II
Work Temperature	(-35°C to 65 °C)
Humidity	10 % to 90%
IP Grade	IP65   IP66   IP67
IK Grade	IK08   IK09
SPD	10KV   20KV (Optional)

### Driver

Brand	Philips   Inventronics   Meanwell   Sosen   OEM
Power Factor	≥0.95
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 12%

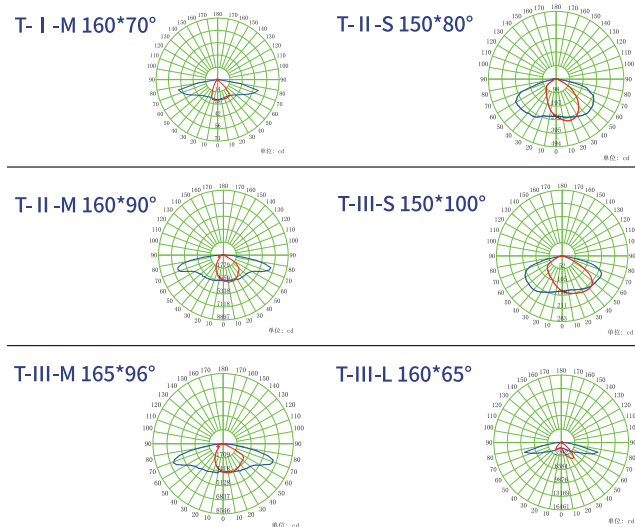
### Materials and Properties

Material Of Shell	Aluminum (ADC12) +Optical Glass
Material Of Lens	PMMA   PC
Color Of Shell	RAL 7022   RAL7040 etc (customized by customer)
Pole diameter (mm)	60
Size A (mm)	572*195*93
Size B (mm)	640*240*93
Size C (mm)	718*285*99

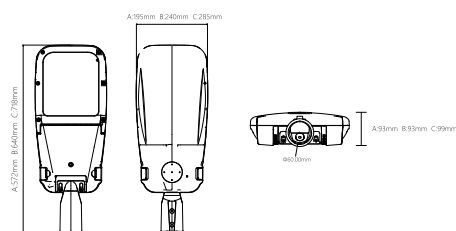
### Tested according to

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



### Dimensions



# Color

■ Black



■ Grey





■ Black



■ Grey

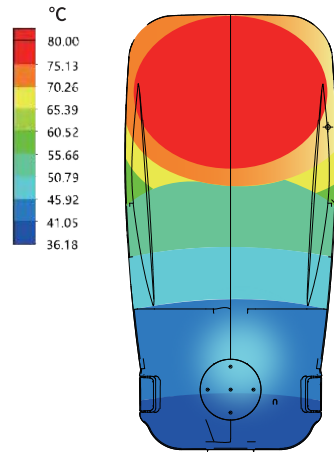


## Ambient Temperature

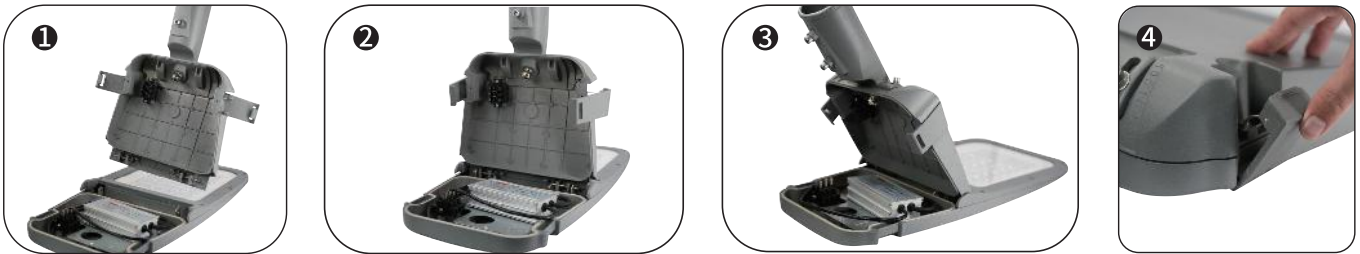
-25°C   
 +50°C 



## Working Temperature



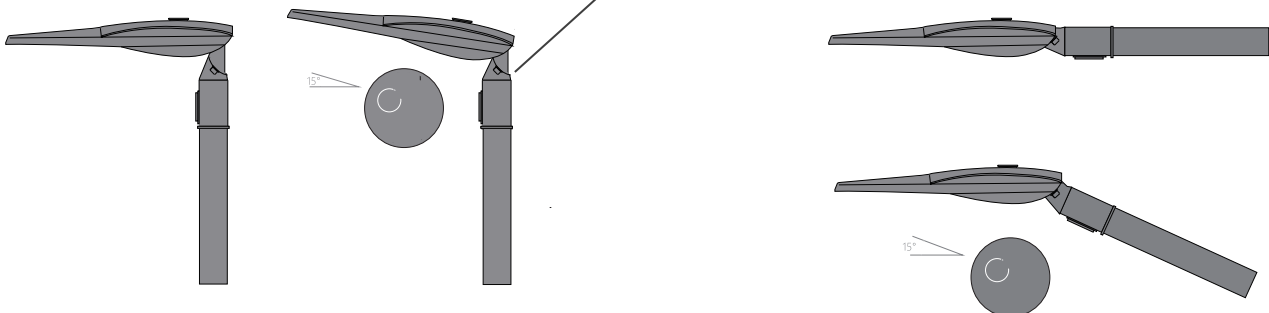
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustable angles: from -15 ° to + 15 °, 2.5° at a time.

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



# HAWK SERIES

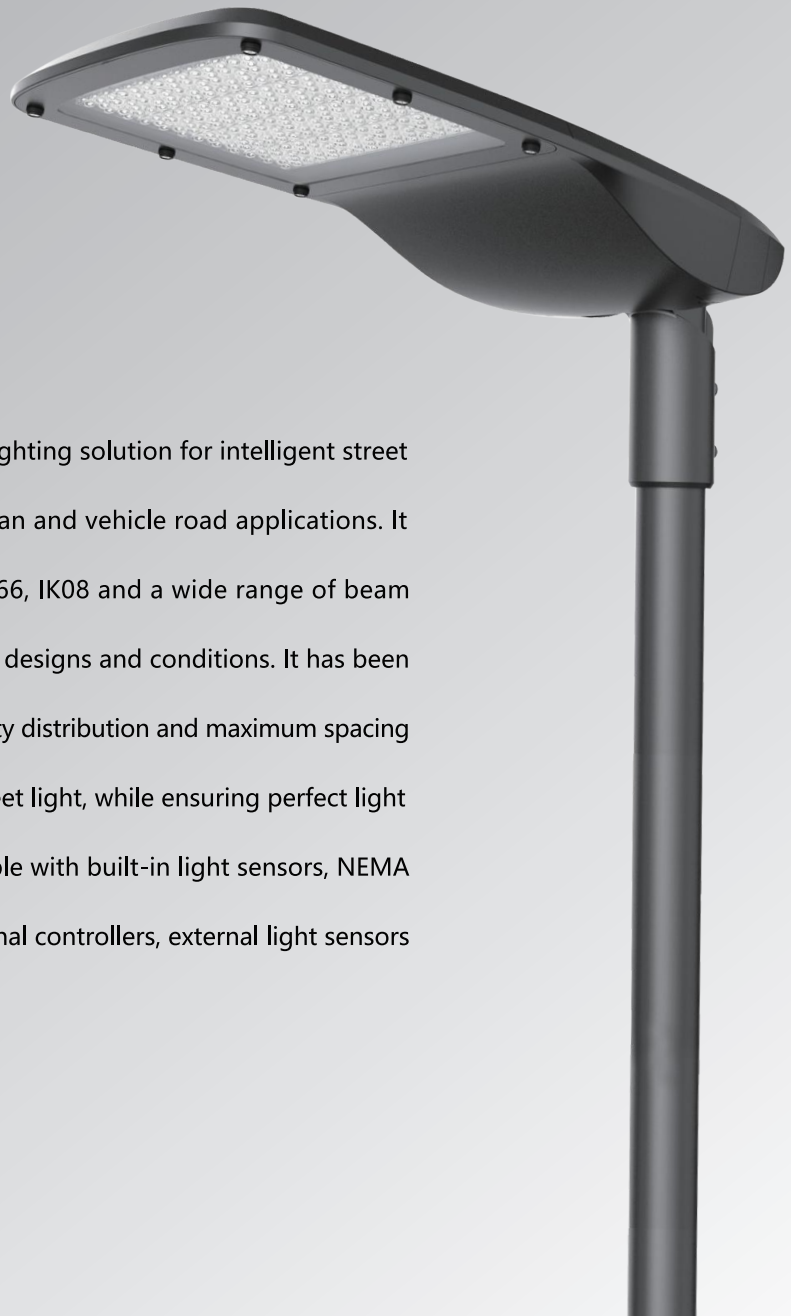
ASL07

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 IP66, IK08 and a wide range of beam optics to globally cater to different road designs 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 model is compatible with built-in light sensors, NEMA bases and Zhaga bases, and fits all external controllers, external light sensors and motion sensors.

# Product Details



## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD3030   SMD5050
Luminous Efficacy	160LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K 5000K   6500K
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	10W—80W
Power B	80W—150W
Power C	150W—300W
Voltage	AC85-305V   AC450-480V
Frequency	50/60Hz
Electrical Class	Class I   Class II
Work Temperature	(-35 °C to 65 °C)
Humidity	10 % to 90%
IP Grade	IP65   IP66
IK Grade	IK08   IK09   IK10
SPD	10KV   20KV (Optional)

### Driver

Brand	Philips   Inventronics   Meanwell   Sosen   OEM
Power Factor	>0.95
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 12%

### Materials and Properties

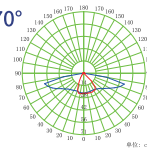
Material Of Shell	Aluminum (ADC12) +Optical Glass
Material Of Lens	PMMA   PC
Color Of Shell	RAL 7022   RAL7040 etc (customized by customer)
Pole diameter (mm)	60
Size A (mm)	580*240*140
Size B (mm)	740*344*145
Size C (mm)	847*400*150

### Tested according to

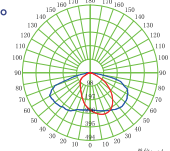
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CB	IEC 60598-2-3:2002+A1 IEC 60598-1:2020  IEC 60598-2-3:2002, IEC 60598-2-3:2002/AMD1:2011 used in conjunction with IEC 60598-1:2020
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN IEC 55015:2019+A11 EN 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

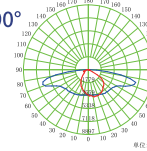
T-I -M 160\*70°



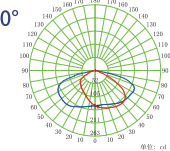
T-II -S 150\*80°



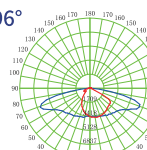
T-II -M 160\*90°



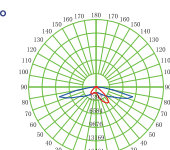
T-III-S 150\*100°



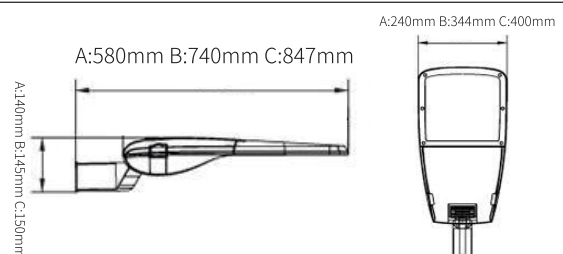
T-III-M 165\*96°



T-III-L 160\*65°



### Dimensions



# Color

■ Black



■ Grey






■ Black



■ Grey

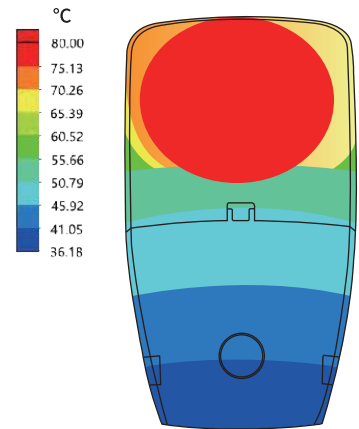


## Ambient Temperature

-25°C   
  
 +50°C 



## Working Temperature



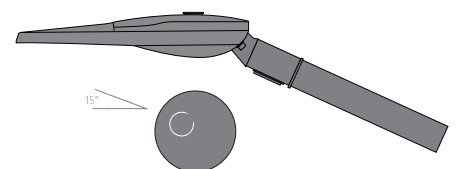
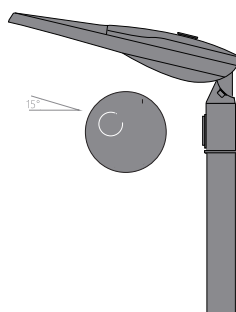
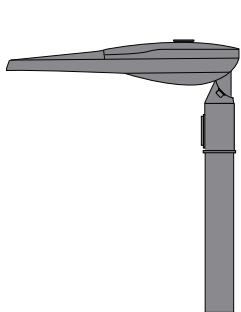
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustable angles: tfrom -15 ° to + 15 °, 2.5° at a time.

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



# SWIFT SERIES

ASL11

Application



# SWIFT SERIES

## ASL11



Our SWIFT SERIES ASL11 makes an affordable LED road lighting solution with sufficient light for your roads&streets. The SWIFT SERIES family brings flexible lighting system to you which can be deployed anywhere in urban spaces, highways and rural areas. This model has IP66 protection level, anti-collision level IK08 (IK09 can be customized). As beam angle of lens can be adjusted, it can achieve different light distribution types for different projects. This model not only fits built-in light sensors, NEMA bases and Zhaga bases, but also all external controllers, external light sensors and motion sensors.

Citizen's 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 streets and roads enhances the comfort and overall safety of our rapidly growing urban environment.

# Product Details



**Breaker**

Blocking or penetrates an overloaded circuit

**Power Supply**

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

**Surge Protective Device**

Effectively absorbs sudden electric energy to protect the connected equipment from being damaged

**Silica Gel**

**Connector**

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

**Photocell**

Turns lights on and off according to the light intensity

**Nema Socket**

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

**Zhaga Socket**

Connects single lamp controller or mobile monitoring sensor

**Motion Sensor**

Turns lights on and off by monitoring the movement of objects

**Honeycomb Cooling**

**Lens**

A variety of PC lenses with high visual comfort and uniform lighting distributions for you to choose

## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD3030   SMD5050
Luminous Efficacy	220LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K   5000K   6500K
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	10W— 60W
Power B	40W—80W
Power C	80W—120W
Power D	120W —200W
Power E	200W— 240W
Voltage	AC85-305V   AC450-480V
Frequency	50/60Hz
Electrical Class	Class I   Class II
Work Temperature	(-35 °C to 65 °C)
Humidity	10 % to 90%
IP Grade	IP65   IP66   IP67
IK Grade	IK08   IK09   IK10
SPD	10KV   20KV (Optional)

### Driver

Brand	Philips   Inventronics   Meanwell   Sosen   OEM
Power Factor	≥0.95
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 12%

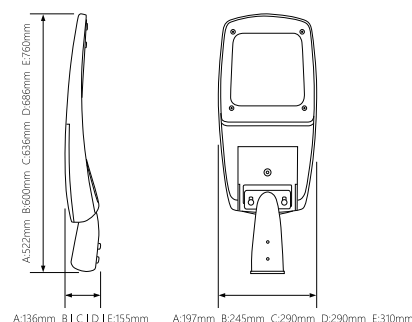
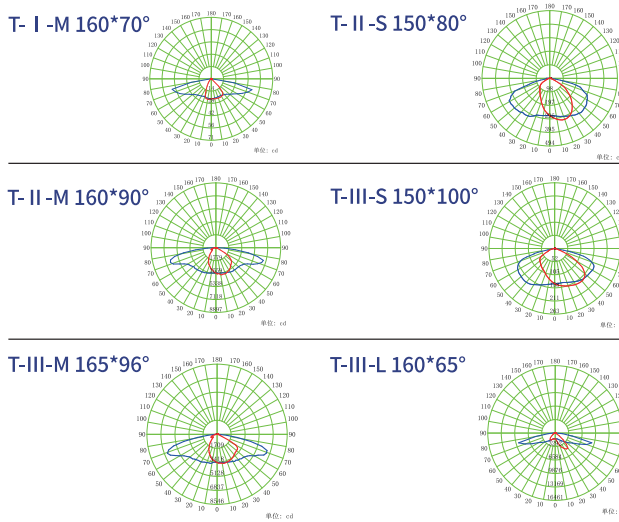
### Materials and Properties

Material Of Shell	Aluminum (ADC12) + Optical Glass
Material Of Lens	PMMA   PC
Color Of Shell	RAL 7022   RAL7040 etc (customized by customer)
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
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



# Color

■ Black



■ Grey



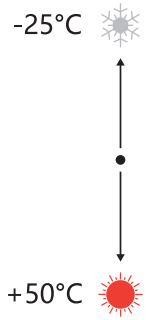
■ Black



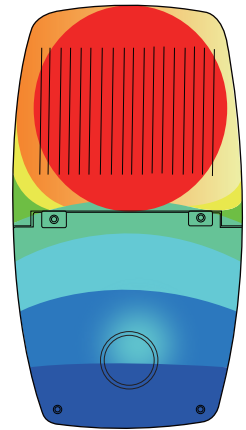
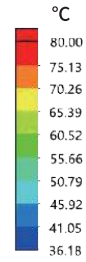
■ Grey



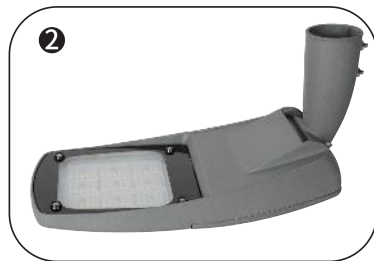
## Ambient Temperature



## Working Temperature



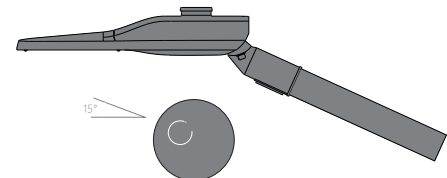
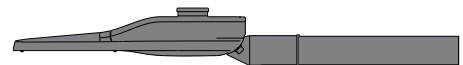
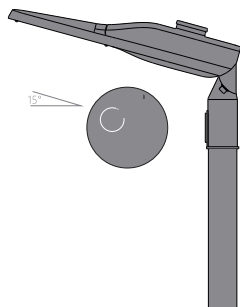
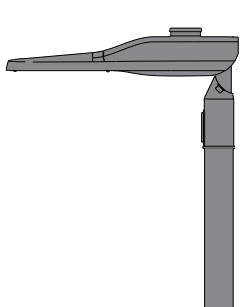
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustable angles: from -15 ° to + 15 °, 2.5° at a time.

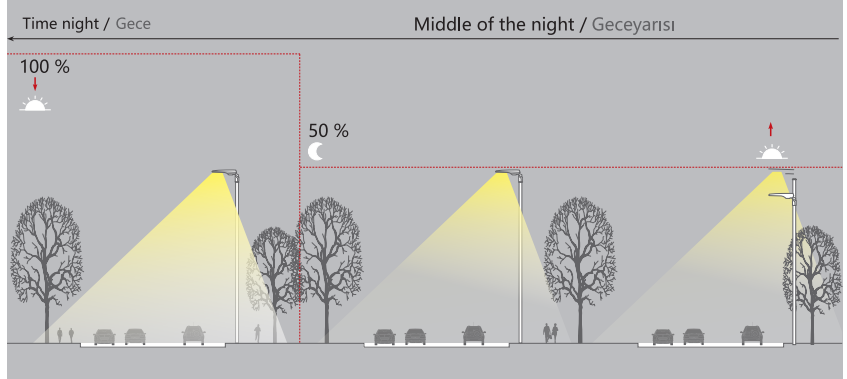
1. Install the lamp to the pole and tighten the screws.
2. Loosen the connecting rod converter screws and adjust the angles.
3. Tighten the connecting rod converter screws.



# Falcon

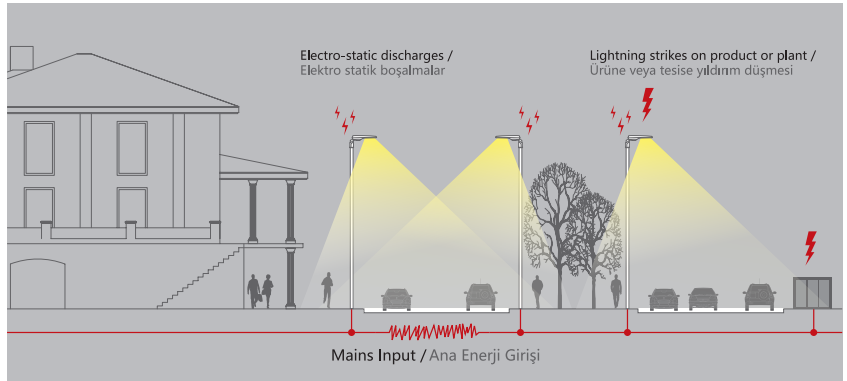
## Falcon DIM

ALITE uses Philips Xitanium Full Programmable LED drivers, Philips Xitanium Lite Programmable LED drivers, EUM series of Inventronics LED drivers and SOSEN VA series of LED drivers, to help Falcon series provide multi-stage night-time power reduction based on an internal timer. 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 add a driver protector inside the streetlights against atmospheric events like lightning strikes. ALITE includes a separate 10KV anti-surge device inside the Falcon series.



## Motion Sensor DIM

Falcon series can optionally integrate motion sensor upon requests. By integrating sensor DIM, 0-10V or DALI driver, we can pre-set the light output percentage and time intervals according to your requirements.



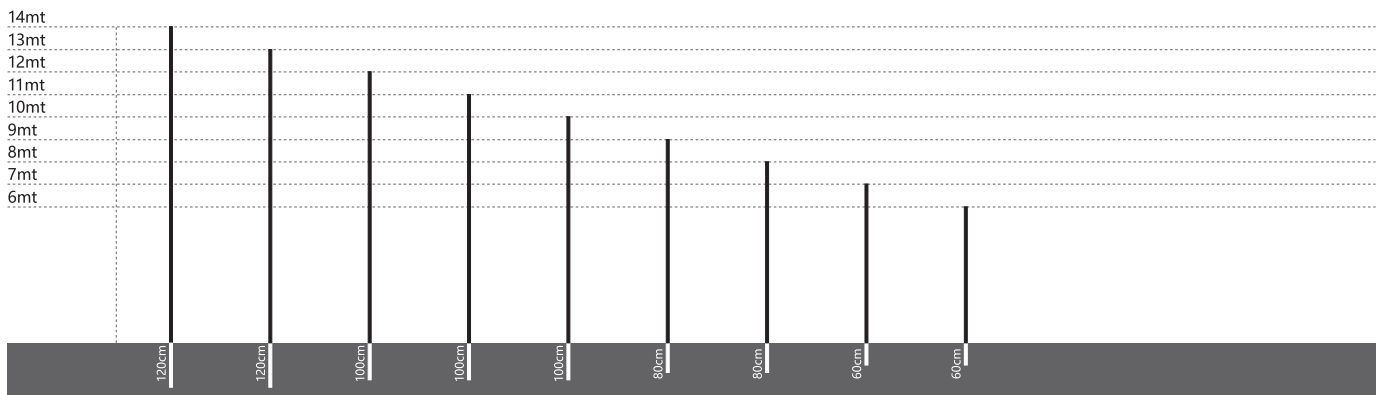
# Falcon

## Optics

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

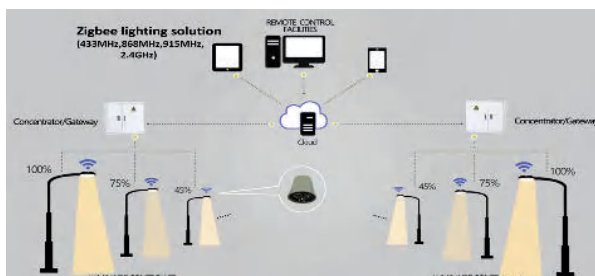
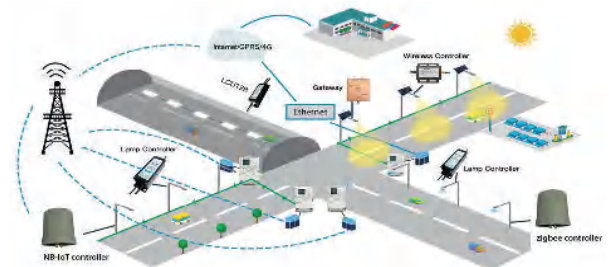


## Advised Pole Heights to be Buried into Ground for Falcon series



## 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 with Zigbee or GPRS. Each luminare can be integrated with NEMA socket and controller in combination with Gateway covering signal area of 2km sq and central user friendly software.



ELAND SERIES

ASL28

Application



CE

ErP



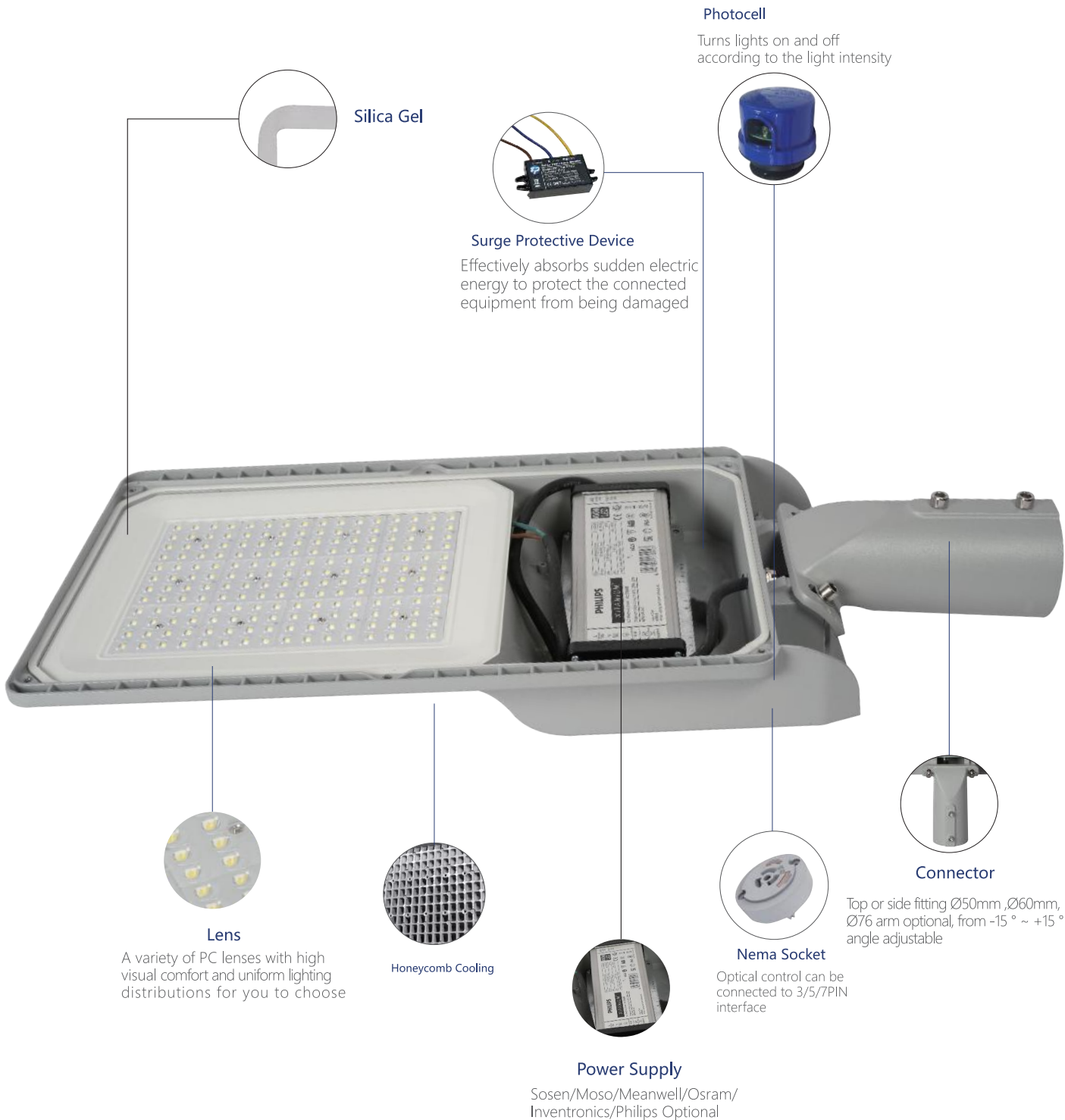
- Die-cast aluminum body with powder-coating and anti-corrosion treatment.
- Inventronics, Meanwell, Philips, Moso and Alite-made led drivers optional.
- Humanized design concept, easy to install and maintain.

## SEAPARD ASL28

ASL28 is the most economical street lamp among our outdoor project lights 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 ensure top quality and IP65 and IK08 protection level.

ASL28 can be installed horizontally or vertically, whose design is rarely seen in same grade street lights. It can be installed on different lamp poles. With super large driver room, it can install all brand drivers such as Philips, Inventronics, Meanwell and etc. The maximum light efficiency can reach 200lm/w with 7-year warranty upmost. NEMA base can also be installed to meet needs of modern intelligent lighting.

# Product Details



## 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   6500K
Beam Angle	Type I   Type II   Type III
Number of lens	A:6Pcs   B:9Pcs   C:12Pcs   D:15Pcs

### Electrical Parameters

Power A	10W—80W
Power B	80W—120W
Power C	120W—180W
Power D	180W—240W
Voltage	AC85-305V   AC450-480V
Frequency	50/60Hz
Electrical Class	Class I   Class II
Work Temperature	(-35 °C to 65 °C)
Humidity	10 % to 90%
IP Grade	IP65   IP66   IP67
IK Grade	IK08   IK09   IK10
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

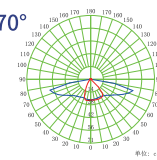
Material Of Shell	Aluminum(ADC12) + Optical Glass
Material Of Lens	PMMA   PC
Pole diameter(mm)	60
Size A (mm)	515*190*98
Size B (mm)	575*242*109
Size C (mm)	615*262*110
Size D (mm)	685*287*110

### Tested according to

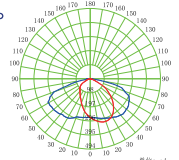
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

### Typical photometric features

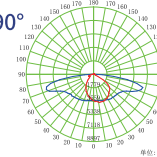
T-I-M 160\*70°



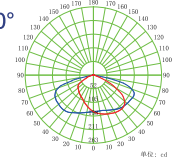
T-II-S 150\*80°



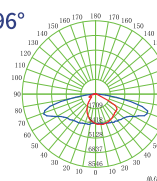
T-II-M 160\*90°



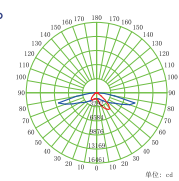
T-III-S 150\*100°



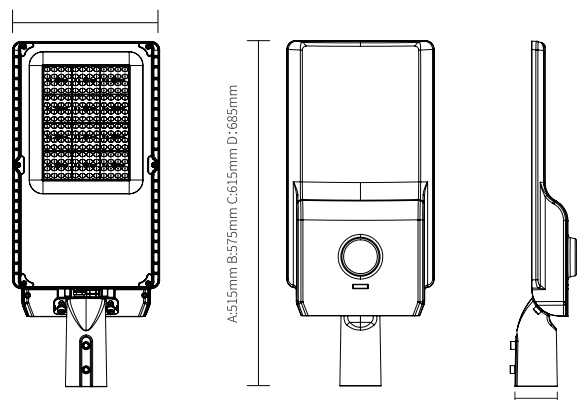
T-III-M 165\*96°



T-III-L 160\*65°



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



A:98mm B:109mm C:110mm D:110mm

# Color

■ Black



■ Grey



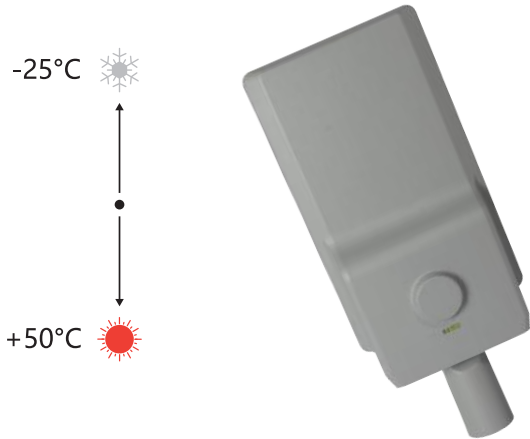
■ Black



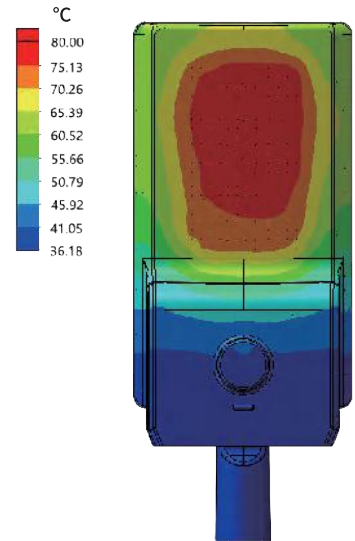
■ Grey



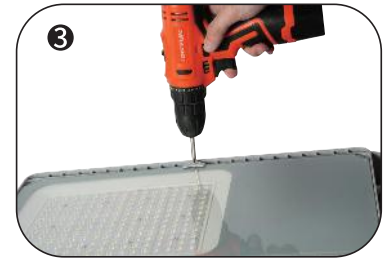
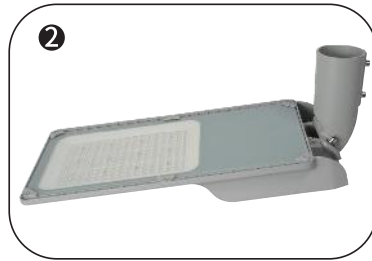
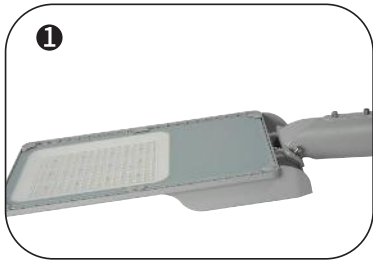
## Ambient Temperature



## Working Temperature



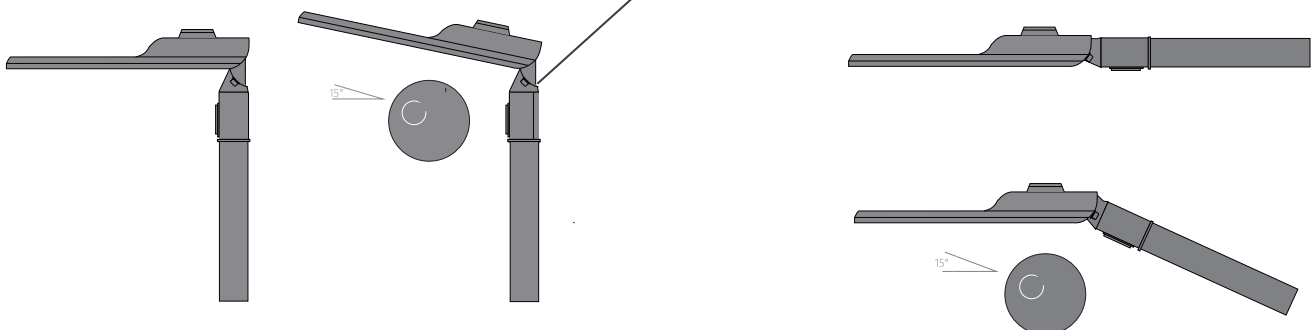
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustable angles: from  $-15^\circ$  to  $+15^\circ$ ,  $2.5^\circ$  at a time.

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



A photograph of a road at dusk. The road is paved and has a white line on the right side. A metal guardrail runs along the edge of the road. In the background, there is a large, dark, rocky cliffside with some green moss or lichen. The sky is a deep blue, and a crescent moon is visible in the upper left. Three streetlights are visible, each with a curved arm and a rectangular light fixture. The overall scene is quiet and atmospheric.

# 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

## PENGUINE SERIES

### ASL15

ASL15 PENGUINE SERIES are one of 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. Under normal working conditions, the innovative PENGUINE outdoor Street Lamp can reach 130 lm/w. Also it prepares 5 different sizes to save your cost accordingly. With perfect price and high performance, it achieves IP66 protection level and anti-collision level IK08 (IK09 can be customized). Also beam angle of lens can be adjusted to achieve different light distribution types. Again this model not only fits built-in light sensors, NEMA bases and Zhaga bases, but also all external controllers, external light sensors and motion sensors.

# Product Details



**Silica Gel**

**Clasp**  
Easy to open

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

**Honeycomb Cooling**

**Lens**

A variety of PC lenses with high visual comfort and uniform lighting distributions for you to choose

**Photocell**

Turns lights on and off according to the light intensity

**Surge Protective Device**

Effectively absorbs sudden electric energy to protect the connected equipment from being damaged

**Nema Socket**

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

**Connector**

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

## 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   6500K
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	10W—40W
Power B	40W—60W
Power C	60W—100W
Power D	100W—150W
Power E	150W—200W
Voltage	AC85-305V   AC450-480V
Frequency	50/60Hz
Electrical Class	Class I   Class II
Work Temperature	(-35 °C to 65 °C)
Humidity	10 % to 90%
IP Grade	IP65   IP66   IP67
IK Grade	IK08   IK09   IK10
SPD	10KV   20KV (Optional)

### Driver

Brand	Inventronics   Done   Sosen   OEM
Power Factor	> 0.9
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 12%

### Materials and Properties

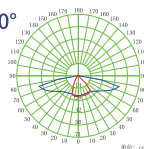
Material Of Shell	Aluminum(ADC07)+Optical Glass
Material Of Lens	PMMA   PC
Pole diameter (mm)	AB:40   CDE:60
Size A (mm)	420*180*100
Size B (mm)	470*180*110
Size C (mm)	560*240*115
Size D (mm)	690*280*130
Size E (mm)	740*280*130

### Tested according to

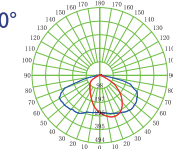
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

### Typical photometric features

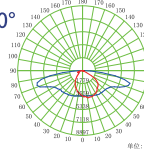
T-I-M 160\*70°



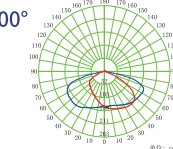
T-II-S 150\*80°



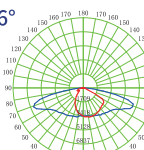
T-II-M 160\*90°



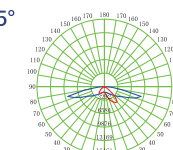
T-III-S 150\*100°



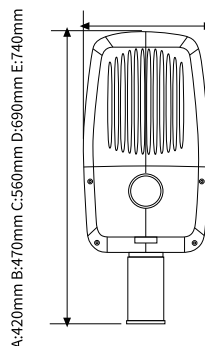
T-III-M 165\*96°



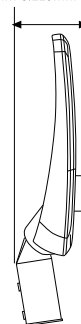
T-III-L 160\*65°



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



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



# Color

■ Dark Grey



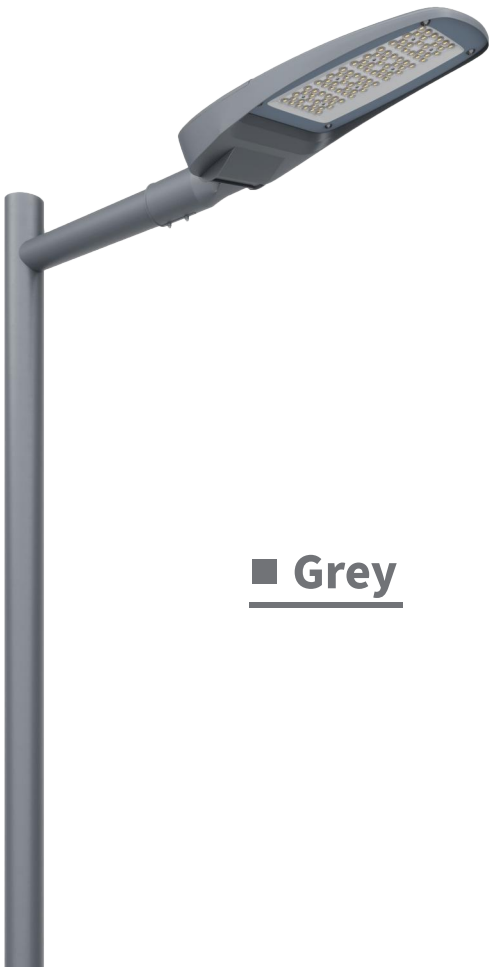
■ Grey



■ Dark Grey



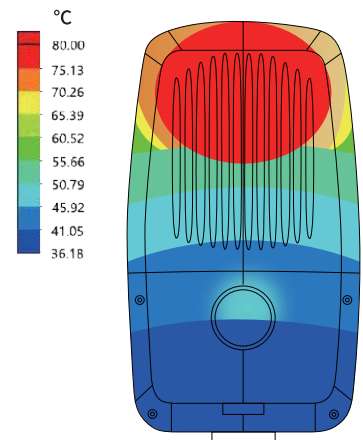
■ Grey



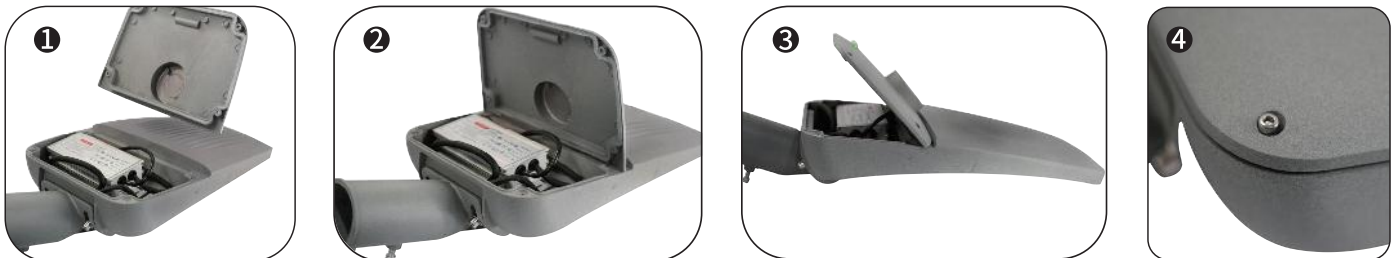
## Ambient Temperature



## Working Temperature



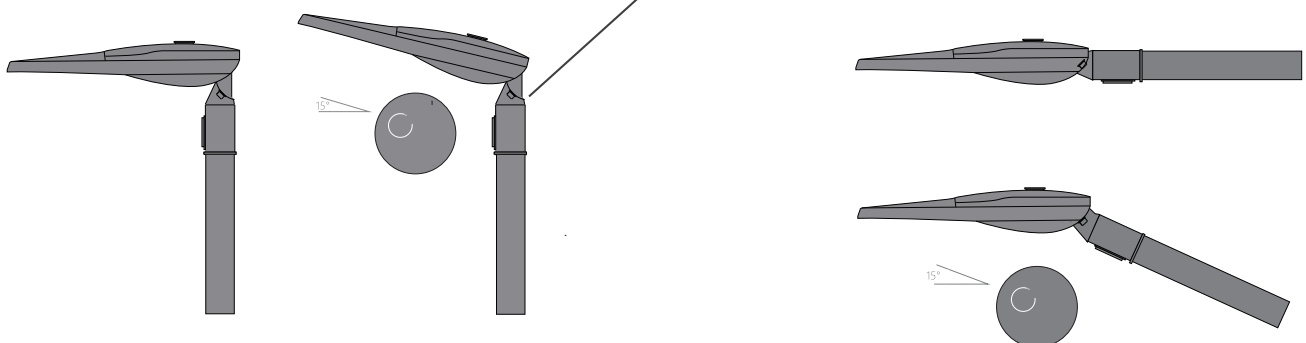
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustable angles: from  $-15^\circ$  to  $+15^\circ$ ,  $2.5^\circ$  at a time.

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



# HUMMER SERIES

ASL43

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 are upgraded. For example, to replace old HID lanterns and streetlight fixtures on a new country, or in places where you want citizens to feel safe. The HUMMER Streetlight Fixtures ASL43 offers simple solution and reliable performance for roundabouts, crossings footpaths, industrial and civic areas. In addition, the linear driver design makes its appearance look ultra-thin, which realizes a better wind resistance with protection levels of IP65, and IK08. Moreover, the option of built-in light sensor allows the system to turn on the light at night and turn it off at daylight automatically, making it perfect for all types of scenarios. Also it fits external light sensors.

# Product Details



Silica Gel

Breaker

Blocking or penetrates an overloaded circuit

Power Supply

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

Surge Protective Device

Effectively absorbs sudden electric energy to protect the connected equipment from being damaged

Lens

A variety of PC lenses with high visual comfort and uniform lighting distributions for you to choose

Photocell

Turns lights on and off according to the light intensity

Honeycomb Cooling

Connector

Top or side fitting Ø50mm ,Ø60mm,  
Ø76 arm optional, 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	160LM/W
Color Rendering Index (RA)	>70   80   90
Color Temperature	2400K   2700K   3000K   4000K   5000K   6500K
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	10W—60W
Power B	60W—100W
Power C	100W—150W
Power D	150W—240W
Voltage	AC85-305V   AC450-480V
Electrical Class	Class I   Class II
Work Temperature	(-35 °C to 65 °C)
Humidity	10 % to 90%
IP Grade	IP65   IP66   IP67
IK Grade	IK08   IK09   IK10
SPD	10KV   20KV (Optional)

### Driver

Brand	Philips   Inventronics   Meanwell   Sosen   OEM
Power Factor	>0.9
Performance	> 0.9
THD	< 12%

### Materials and Properties

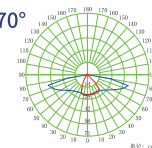
Materials	Aluminum(ADC12) +Optical glass
Material Of Lens	PC   PMMA
Pole diameter (mm)	A/B/C/D:60
Size A (mm)	520*210*110
Size B (mm)	650*255*135
Size C (mm)	700*300*135
Size D (mm)	860*360*145

### Tested according to

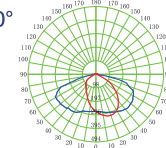
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

### Typical photometric features

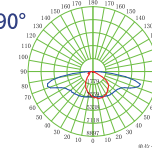
T-I-M 160\*70°



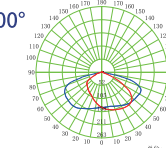
T-II-S 150\*80°



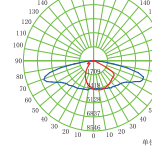
T-II-M 160\*90°



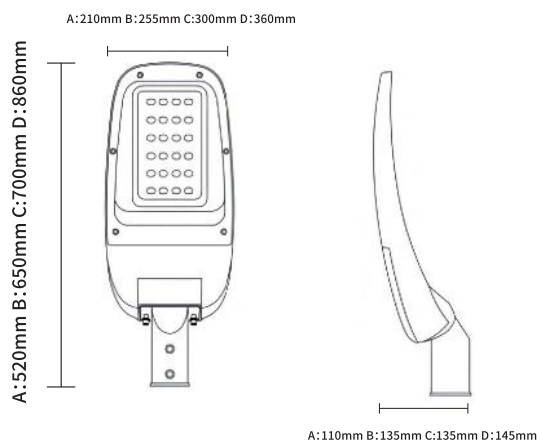
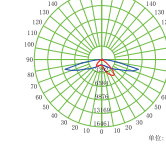
T-III-S 150\*100°



T-III-M 165\*96°



T-III-L 160\*65°



# Color

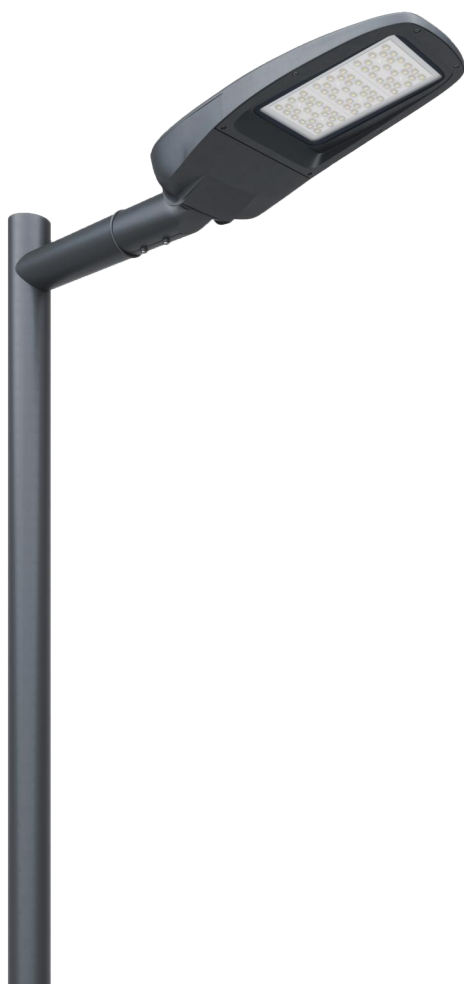
■ Black



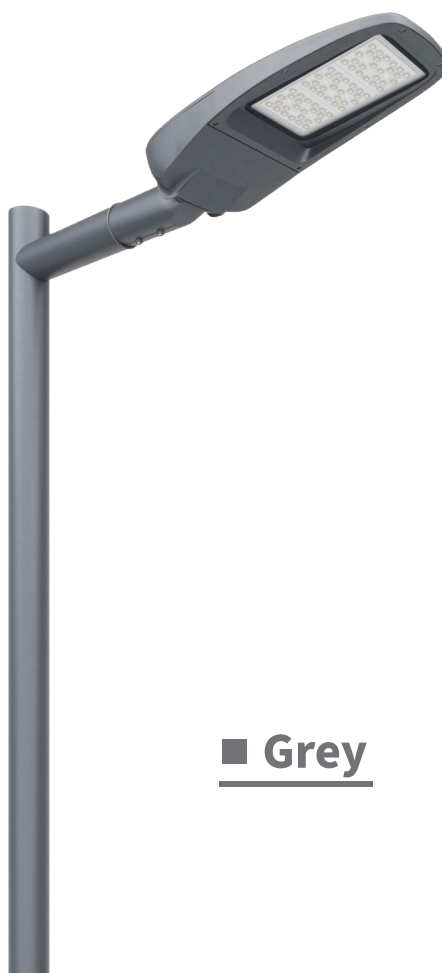
■ Grey



■ Black



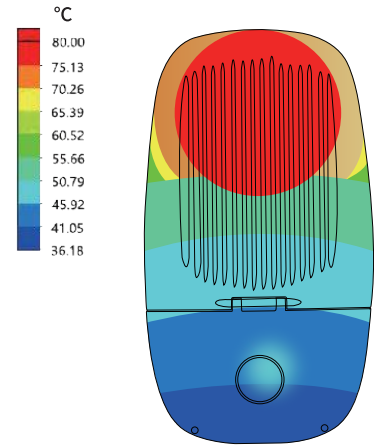
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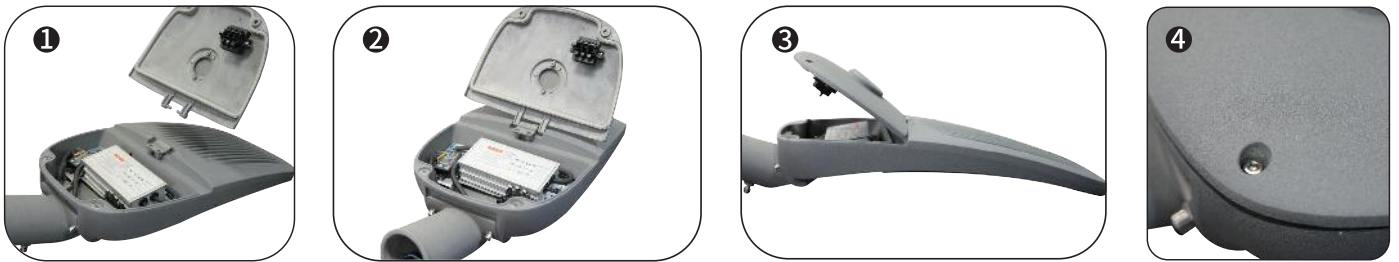
## Ambient Temperature



## Working Temperature



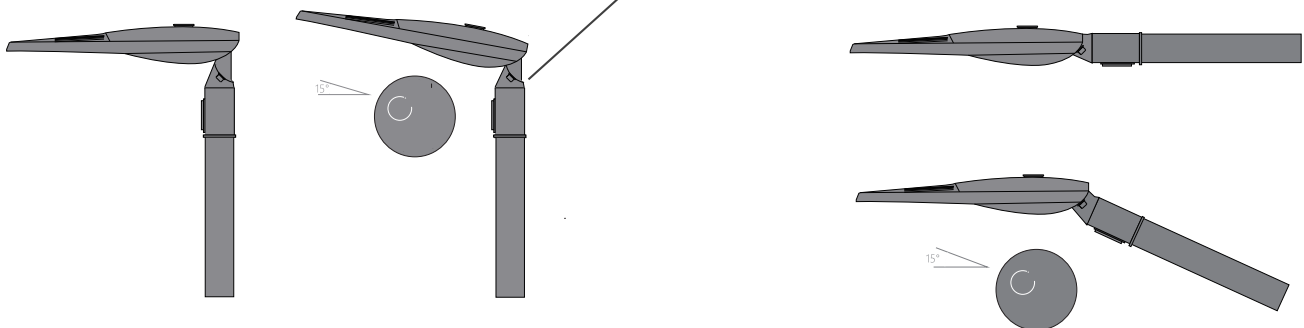
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustable angles: from  $-15^\circ$  to  $+15^\circ$ ,  $2.5^\circ$  at a time.

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



LEOPARD SERIES

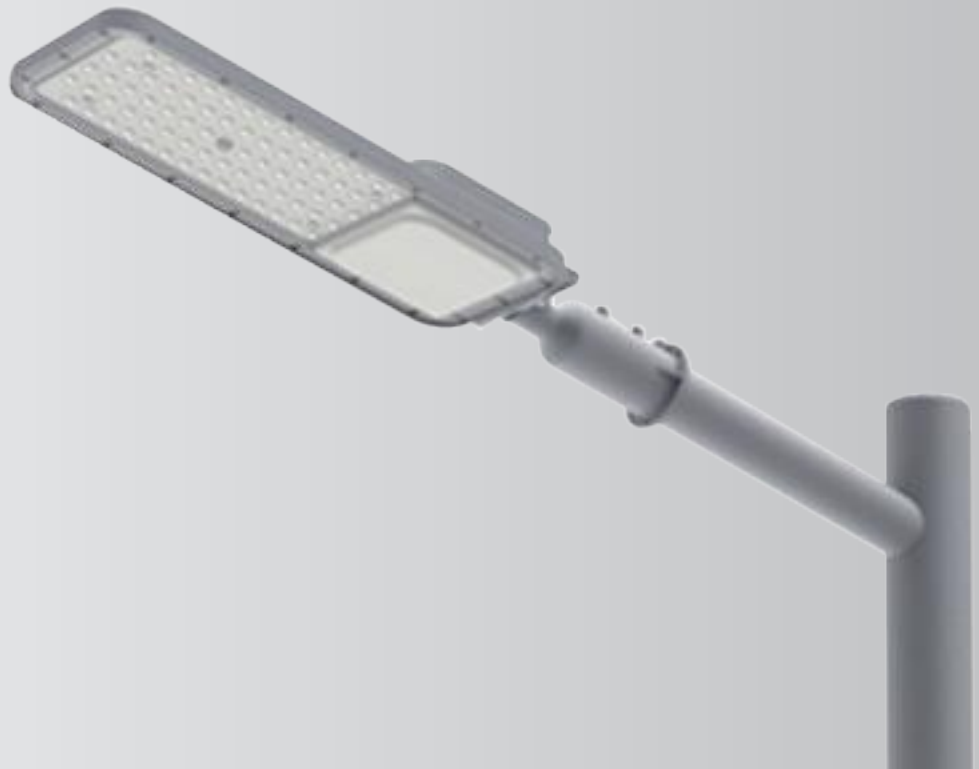
ASL48 Pro

Application



CE

ErP



- **BRAND LED LAMP BEADS**

HIGH BRIGHTNESS,HIGH COLOR RENDERING,LONG LIFESPAN

- **SHAPE**

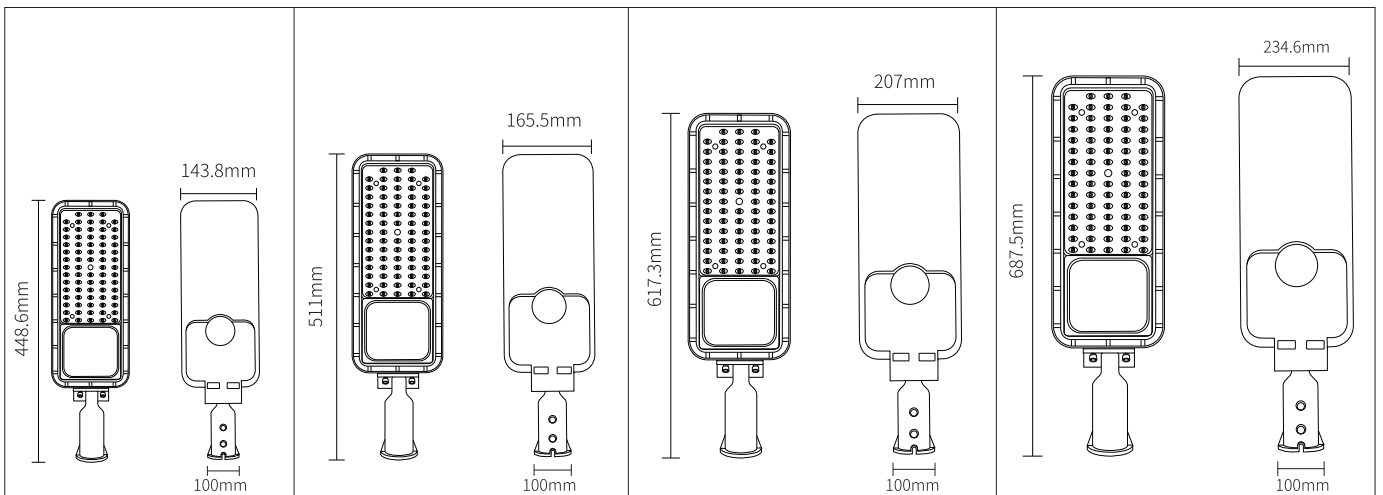
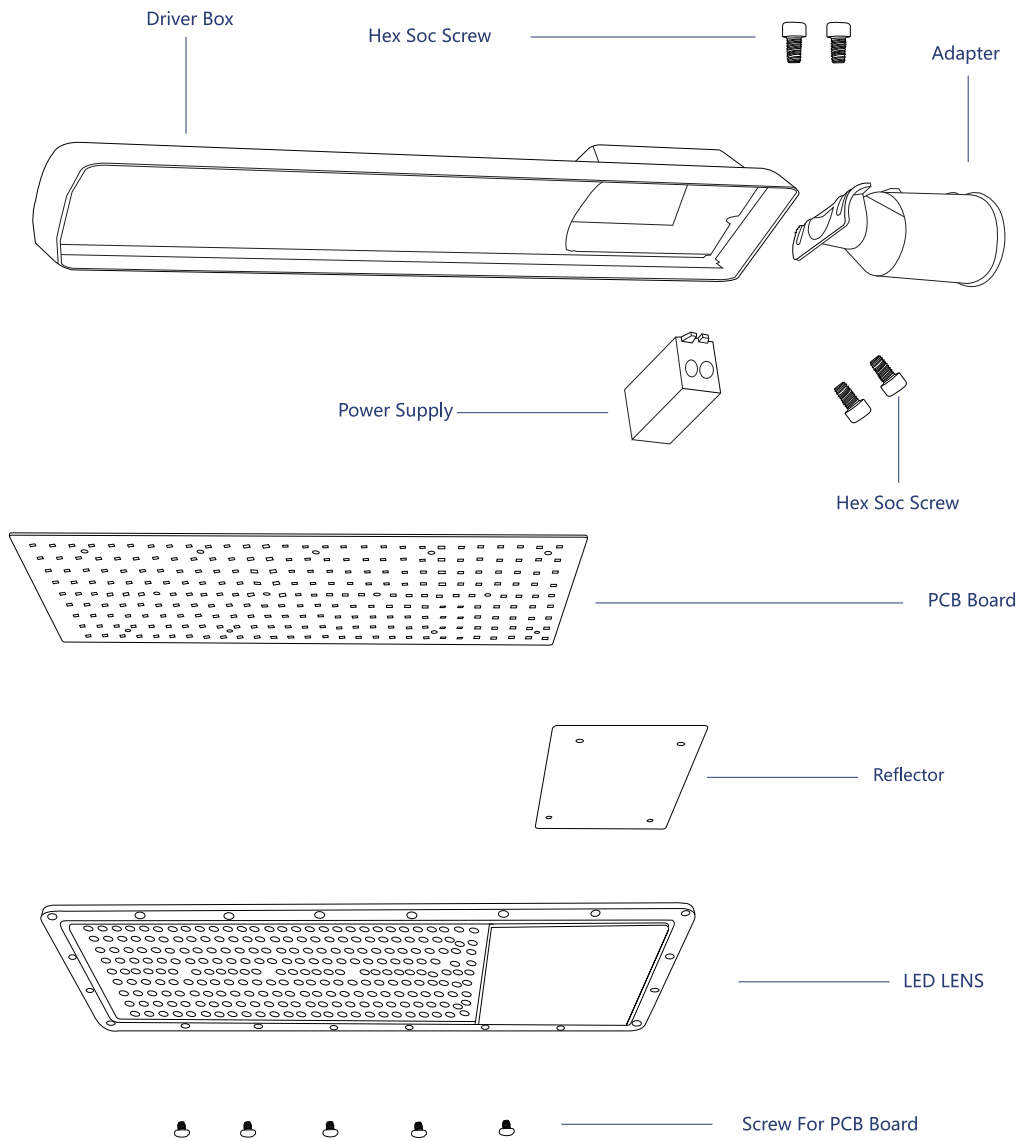
COME WITH COMPACT EXTRA SLIM SHAPE ENSURE EASY INSTALLATION AND HIGH PERFORMANCE

## LEOPARD SERIES

### ASL48 Pro

ASL48 Street Light Series are street lamps based on Philips high efficacy LEDs. This model contains three sizes corresponding to different power requirements. It also comes with four mainstream LED schemes, namely linear, DOB, non-isolation and isolation. The ASL48 Street Light has a small, thin shell, with IP65 and IK08 protection level. So it is easy to install and performs well even in windy areas. The new generation of ASL48 is a relatively perfect street lamp product with high performance and low cost. Its ABC three sizes come with 60mm pole diameter, realizing small power and large caliber. And its lamp angle can be adjusted horizontally and vertically by adjusting flexible connector. ASL48 Pro fits built-in light sensor to automatically turn off the LED during the day and turn on at night, to save electricity according to environment changes.

# Product Details



## Technical Data

### Led Module

LED Chip Brand	Lumileds   Cree   Epistar plus
LED Chip Type	SMD2835   SMD3030
Luminous Efficacy	140LM/W
Color Rendering Index (RA)	> 70   80   90
Color Temperature	2400K   2700K   3000K   4000K   5000K   6500K
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	10W-60W
Power B	60W-120W
Power C	120W-150W
Power D	150W—200W
Voltage	AC85-277V
Frequency	50/60Hz
Electrical Class	Class I
Work Temperature	(-35 °C to 65 °C)
Humidity	10 % to 90%
IP Grade	IP65   IP66   IP67
IK Grade	IK08   IK09   IK10
SPD	10KV   20KV (Optional)

### Driver

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

### Materials and Properties

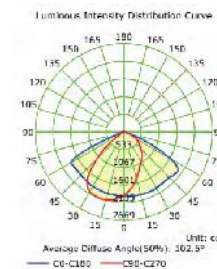
Material Of Shell	Aluminum (ADC12)
Material Of Lens	PMMA   PC
Color Of Shell	RAL 9022   RAL7040 etc (customized by customer)
Pole diameter (mm)	60
Size A (mm)	448.6*143.8*100
Size B (mm)	511*165.5*100
Size C (mm)	617.3*207*100
Size D (mm)	687.5*234.6*100

### Tested according to

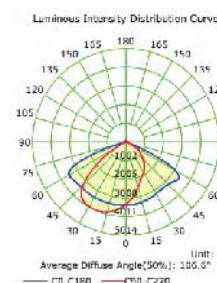
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

### Typical photometric features

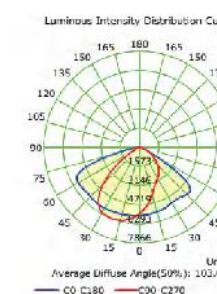
50W



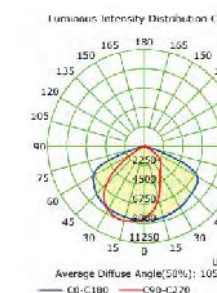
100W



150W



200W



# Color

■ Black



■ Grey



■ Black



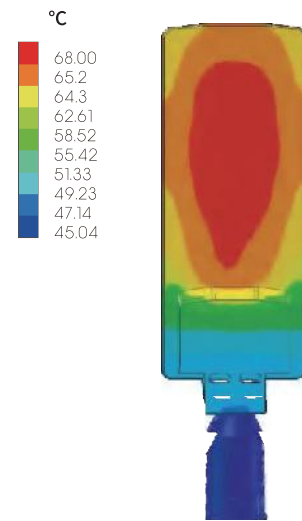
■ Grey



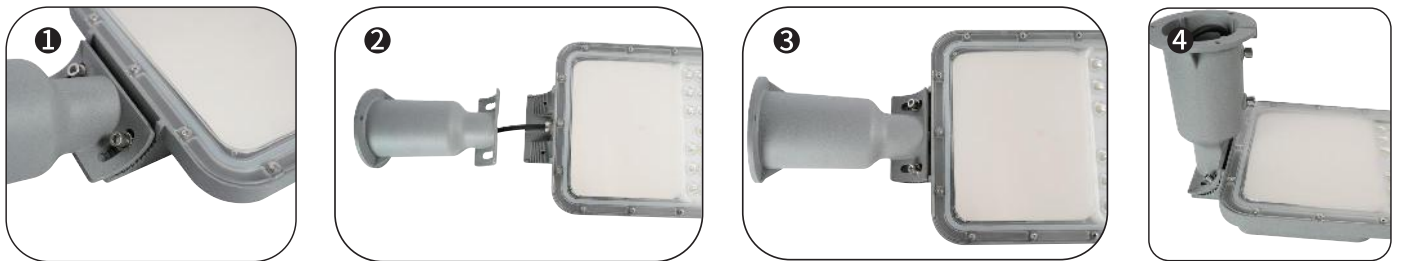
## Ambient Temperature



## Working Temperature



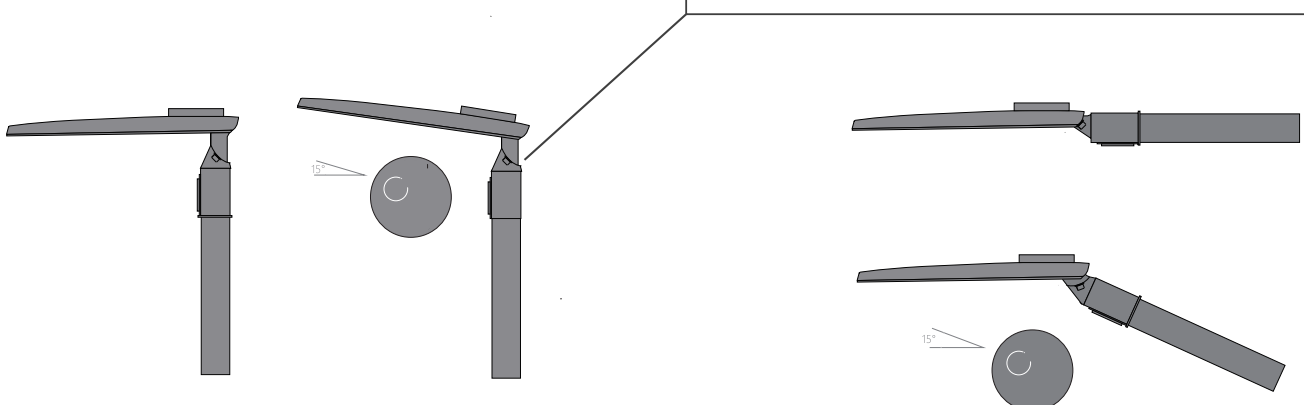
## Split Diagram



## Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustable angles: from  $-15^\circ$  to  $+15^\circ$ ,  $2.5^\circ$  at a time.

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



MANTA SERIES

ASL40

Application



ARKİTEN  
Zmanı  
0212 230 26 61

1 CAN MARKET

1 CAN MARKET

KENTINE-HAS

BeBob

CE

ErP



- **MILITARY SHELL**  
EFFICIENT HEAT DISSIPATION

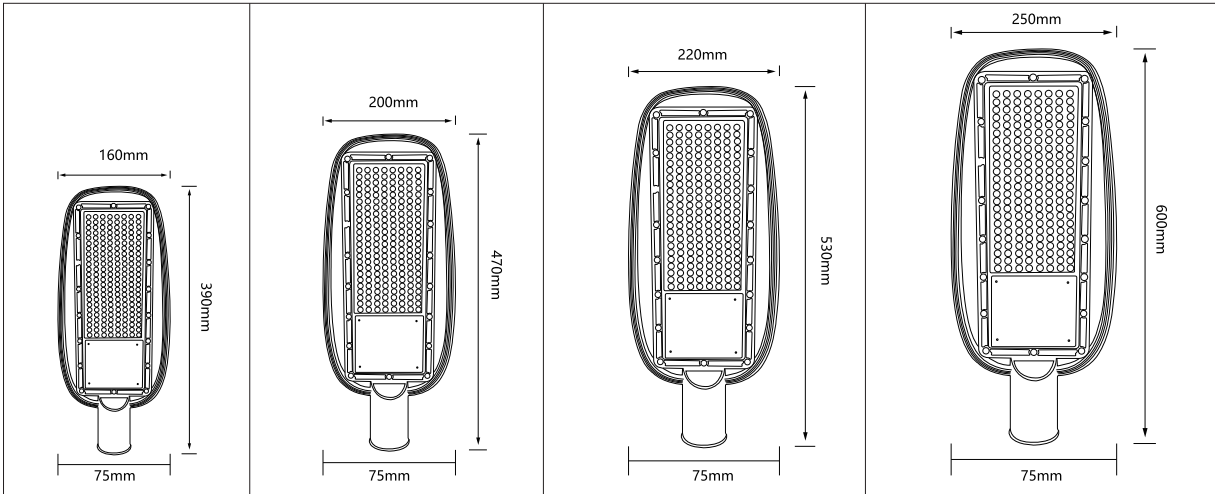
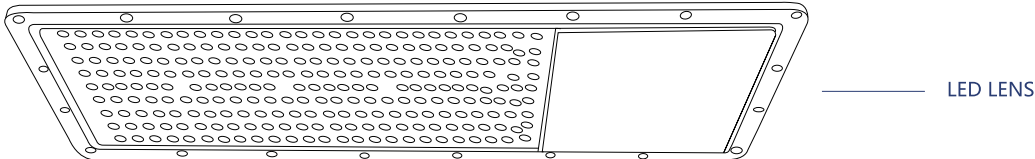
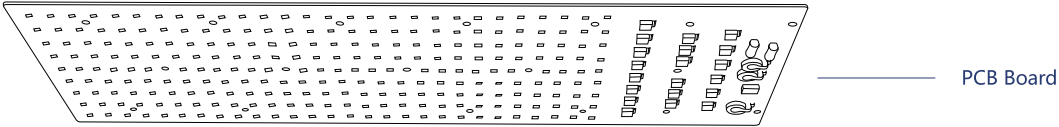
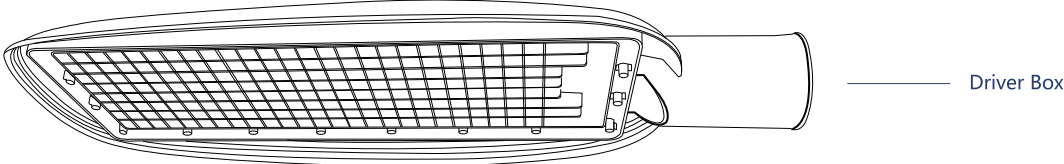
- **BREAKER**  
THE DRIVER ROOM IS EQUIPPED  
WITH A SAFTY SWITCH TO ENSURE  
THE SAFETY OF THE INSTALLATION  
AND MAINTENANCE PERSONNEL

## MANTA SERIES

### ASL40

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 countries. The brightness is suitable to use in all 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   6500K
Beam Angle	80° × 120°
Number Of Leds	A:72Pcs   B:144Pcs   C:192Pcs   D:252Pcs
Life Time	100000 Hours

### Electrical Parameters

Power A	10W-50W
Power B	50W-100W
Power C	100W-150W
Power D	150W-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

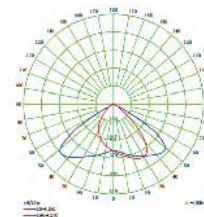
Materials	Aluminum (ADC07)
Material Of Lens	PC   PMMA
Pole diameter (mm)	60
Size A (mm)	390*160*75
Size B (mm)	470*200*75
Size C (mm)	530*220*75
Size D (mm)	600*250*75

### Tested according to

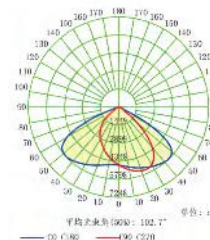
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CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

### Typical photometric features

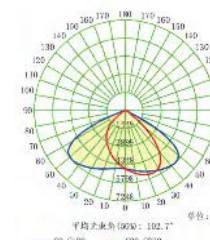
50W



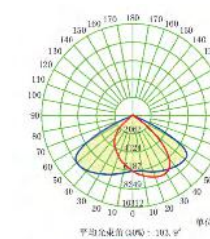
100W



150W



200W



# Color

■ Black



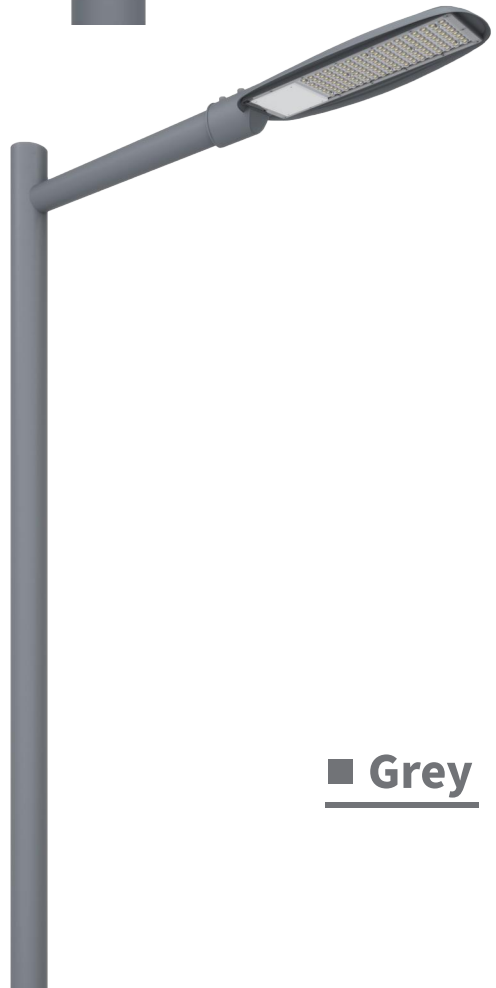
■ Grey



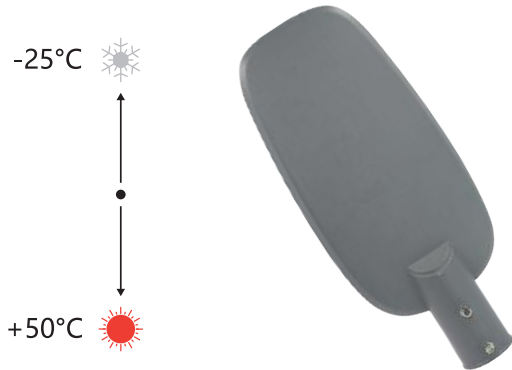
■ Black



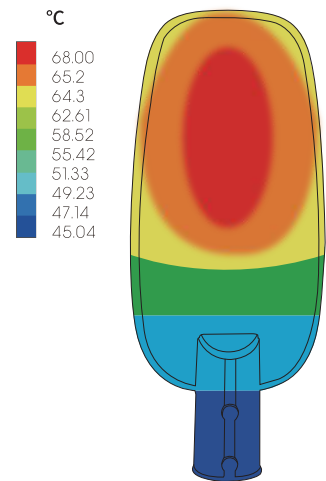
■ Grey



## Ambient Temperature



## Working Temperature



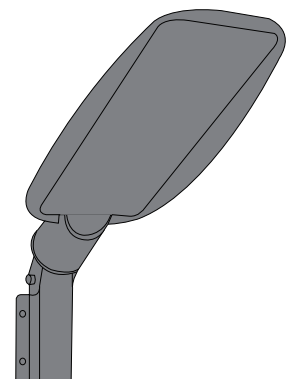
## Split Diagram



## Installation Diagram

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



CE

ErP



- **MILITARY SHELL**

EFFICIENT HEAT DISSIPATION

- **BREAKER**

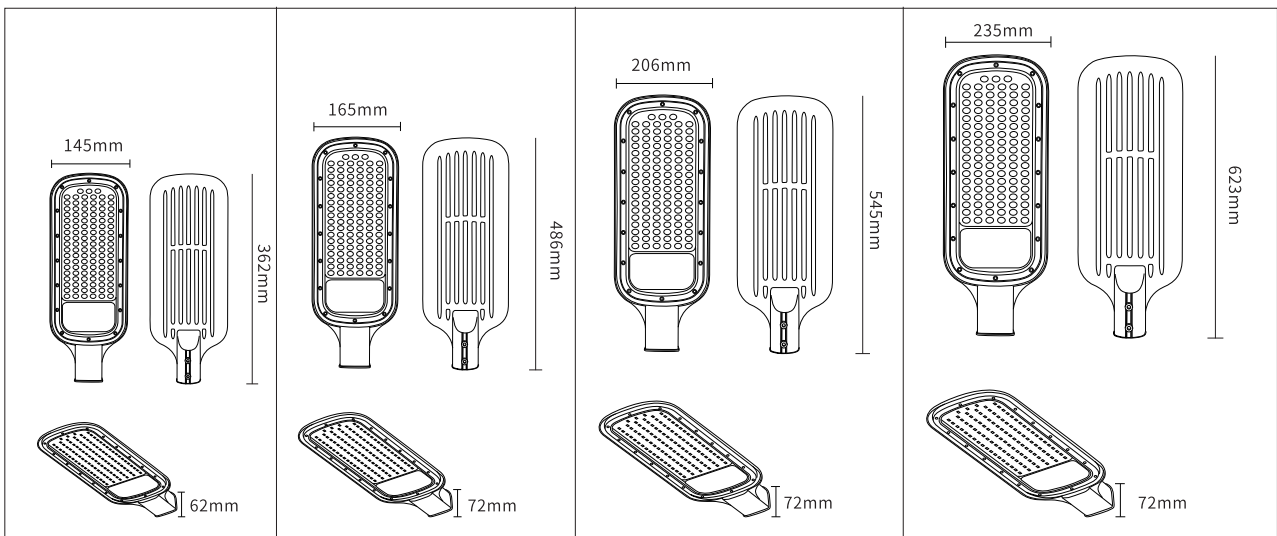
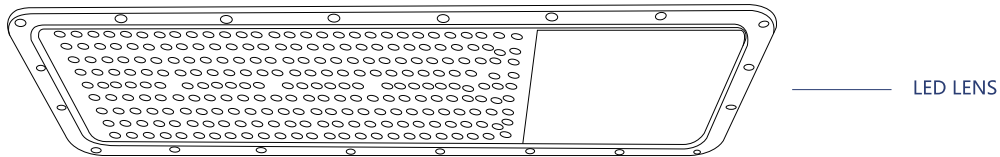
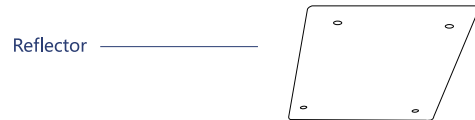
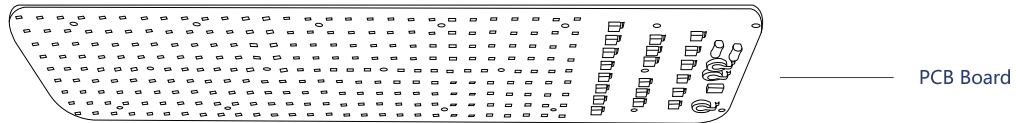
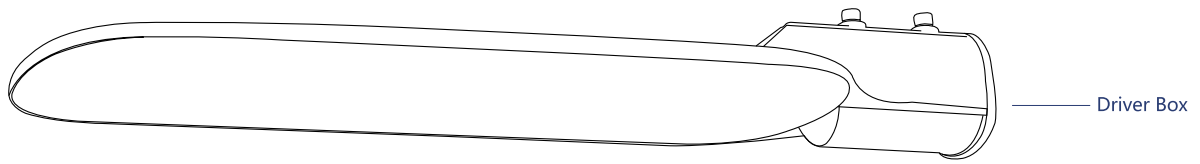
THE DRIVER ROOM IS EQUIPPED WITH A SAFETY SWITCH TO ENSURE THE SAFETY OF THE INSTALLATION AND MAINTENANCE PERSONNEL

## SARDINE SERIES

### ASL46

ASL46 SERIES or the SARDINE belongs to series of streetlight fixtures which are street light upgradation. For example, it is used to replace old HID lanterns and streetlight fixtures on a new country, or in places where you want citizens to feel safe. The SARDINE offers simple solution and reliable performance for roundabouts, crossings footpaths, industrial and civic areas. In addition, the linear driver design makes its appearance look ultra-thin, which ensures a better wind resistance with protection levels of IP65, and IK08. Moreover, the option of built-in light sensor allows the system to turn on the light at night and turn it off at daylight automatically, making it perfect for all types of scenarios.

# 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   6500K
Beam Angle	80° × 130°
Number Of Leds	A:72Pcs   B:144Pcs   C:222Pcs   D:288Pcs
Life Time	100000 Hours

### Electrical Parameters

Power A	10W—60W
Power B	60W—120W
Power C	120W—150W
Power D	150W—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

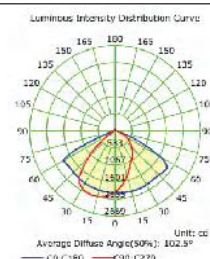
Materials	Aluminum(ADC07)
Material Of Lens	PC   PMMA
Pole diameter (mm)	A:50   B:50 60   C:60   D:60
Size A (mm)	362*145*62
Size B (mm)	486*165*72
Size C (mm)	545*206*72
Size D (mm)	623*235*72

### Tested according to

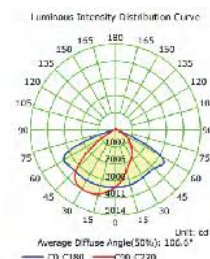
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

### Typical photometric features

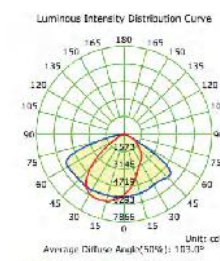
50W



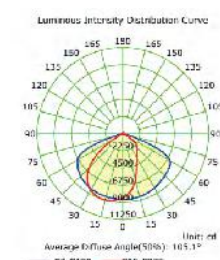
100W



150W

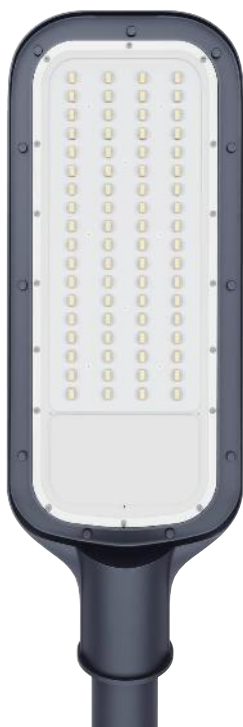


200W



# Color

■ Black



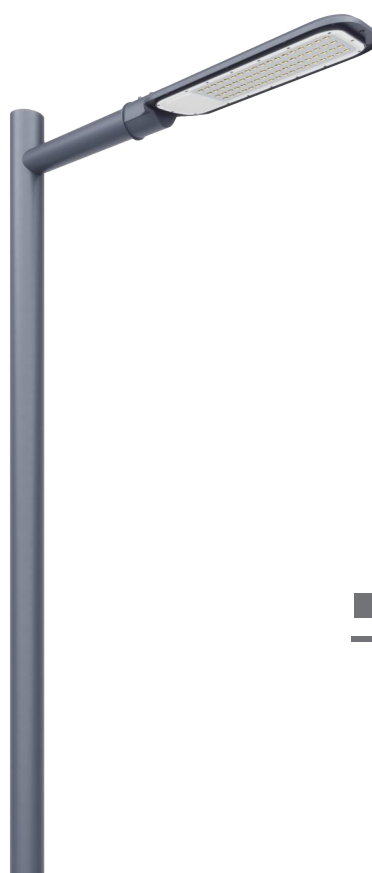
■ Grey



■ Black



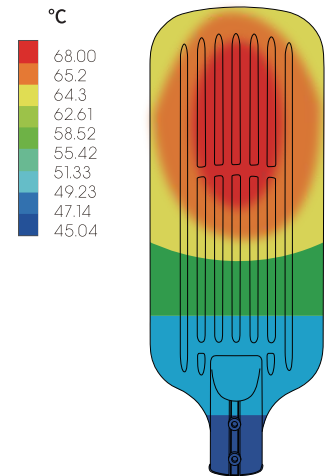
■ Grey



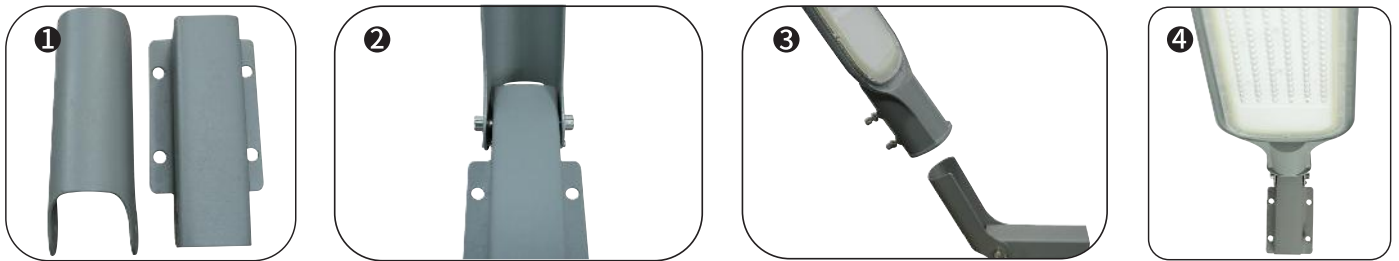
## Ambient Temperature



## Working Temperature



## Split Diagram

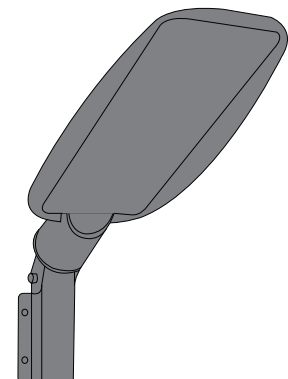


## Installation Diagram

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



# 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 is small and perfectly integrated with PC anti-glare hood, reflecting the perfect industrial style. AGL10 and AGL11 are commonly applied in various parks, wharves, industrial areas and other outdoor places. They illuminate and perform well. AGL10 and AGL11 are made of ADC12. The waterproof grade has reached IP65. They can work under -30 °C -50 °C environment. It is assured that the coating will not fade in outdoor environment. Its 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 comfortable lighting.



AGL10



AGL11

### Main applications



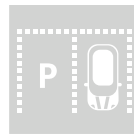
URBAN &  
RESIDENTIAL  
STREETS



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

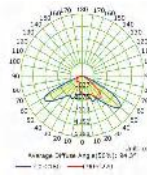
Materials	Aluminum(ADC12)
Material Of Lens	PC   PMMA
Pole diameter (mm)	60
Size AGL10 (mm)	360*467
Size AGL11(mm)	440*467

### Tested according to

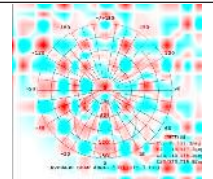
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

### Typical photometric features

AGL10



AGL11



### Dimensions

