

PROFESSIONAL LED Street Lighting

2022



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Calle de los Guayacanes, PH Sun City, Apto 7C,
Albrook, Corregimiento Ancon,
Ciudad Panamá

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

Zhaga Socket

Connects single lamp controller or mobile monitoring sensor

Motion Sensor

Turns lights on and off by monitoring the movement of objects

Lens

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

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

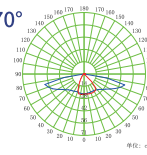
Material Of Shell	Aluminum (ADC12) +Optical Glass
Material Of Lens	PMMA PC
Color Of Shell	RAL 7022 RAL7040 etc (customized by customer)
Pole diameter (mm)	60 76
Size A (mm)	578*238*123
Size B (mm)	680*266*123
Size C (mm)	798*300*123

Tested according to

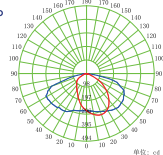
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ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

Typical photometric features

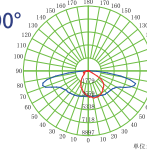
T- I -M 160*70°



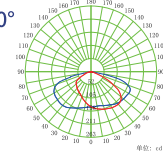
T- II -S 150*80°



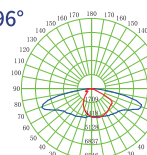
T- II -M 160*90°



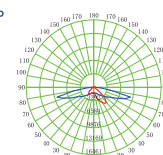
T-III-S 150*100°



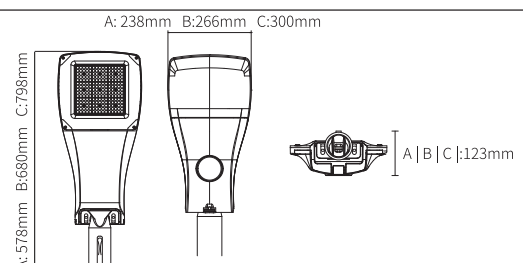
T-III-M 165*96°



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



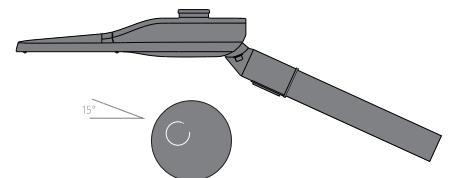
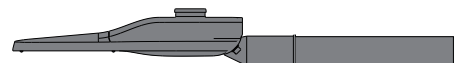
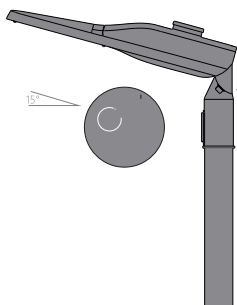
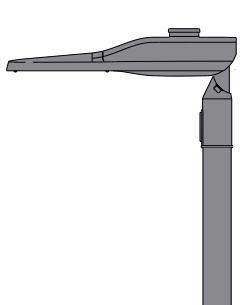
Split Diagram



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

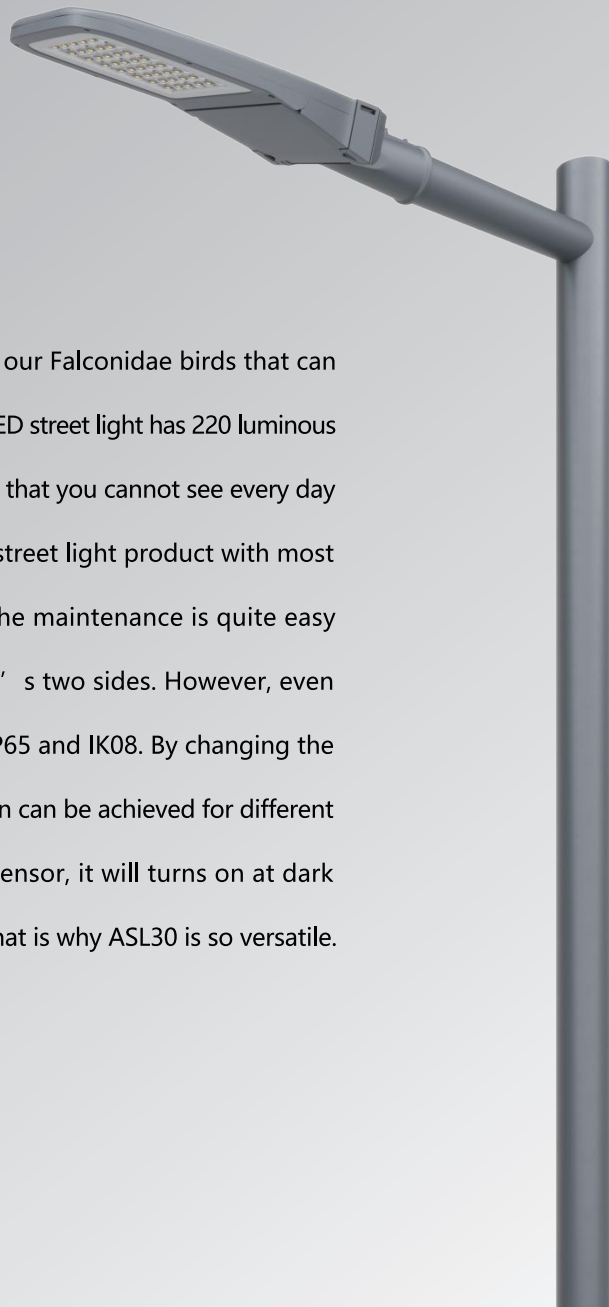
ASL30

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

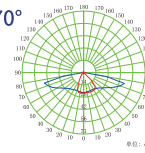
Material Of Shell	Aluminum (ADC12) +Optical Glass
Material Of Lens	PMMA PC
Color Of Shell	RAL 7022 RAL7040 etc (customized by customer)
Pole diameter (mm)	60
Size A (mm)	572*195*93
Size B (mm)	640*240*93
Size C (mm)	718*285*99

Tested according to

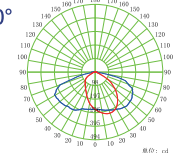
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CB	IEC 60598-2-3:2002+A1 IEC 60598-1:2020 IEC 60598-2-3:2002, IEC 60598-2-3:2002/AMD1:2011 used in conjunction with IEC 60598-1:2020
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN IEC 55015:2019+A11 EN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

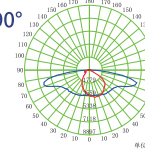
T-I-M 160*70°



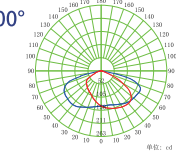
T-II-S 150*80°



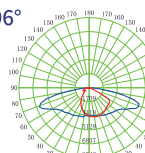
T-II-M 160*90°



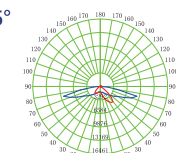
T-III-S 150*100°



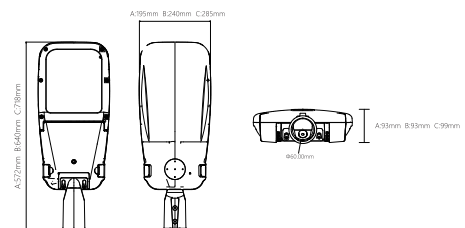
T-III-M 165*96°



T-III-L 160*65°



Dimensions



Color

■ Black



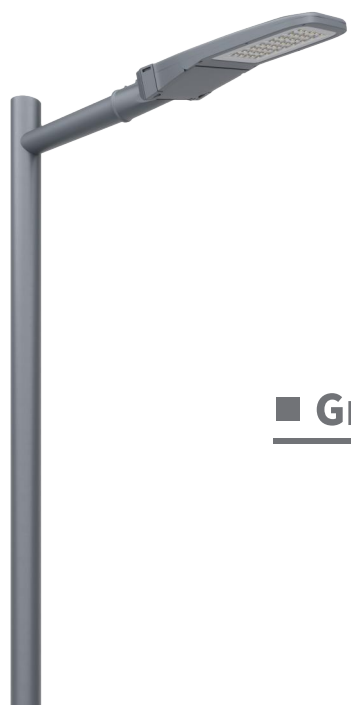
■ Grey






■ Black



■ Grey

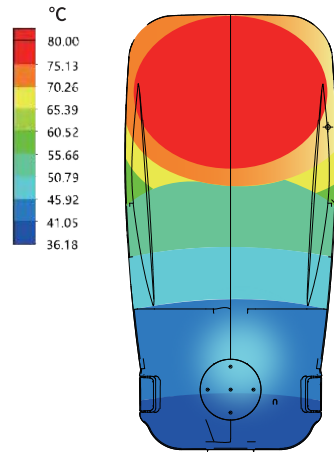


Ambient Temperature

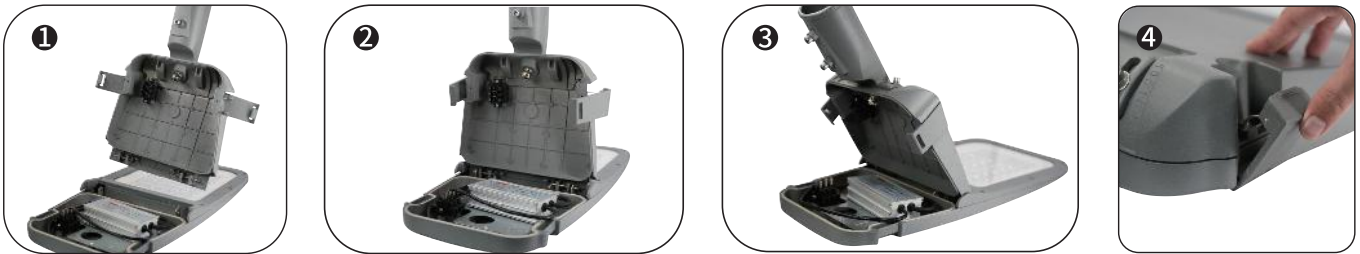
-25°C 

 +50°C 



Working Temperature



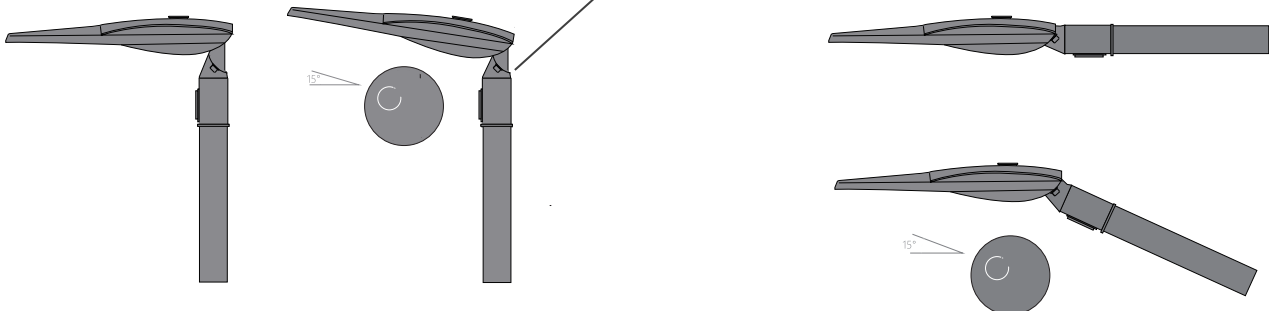
Split Diagram



Installation Diagram

It can be installed horizontally and vertically as shown in the figure. Wide adjustable angles: 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

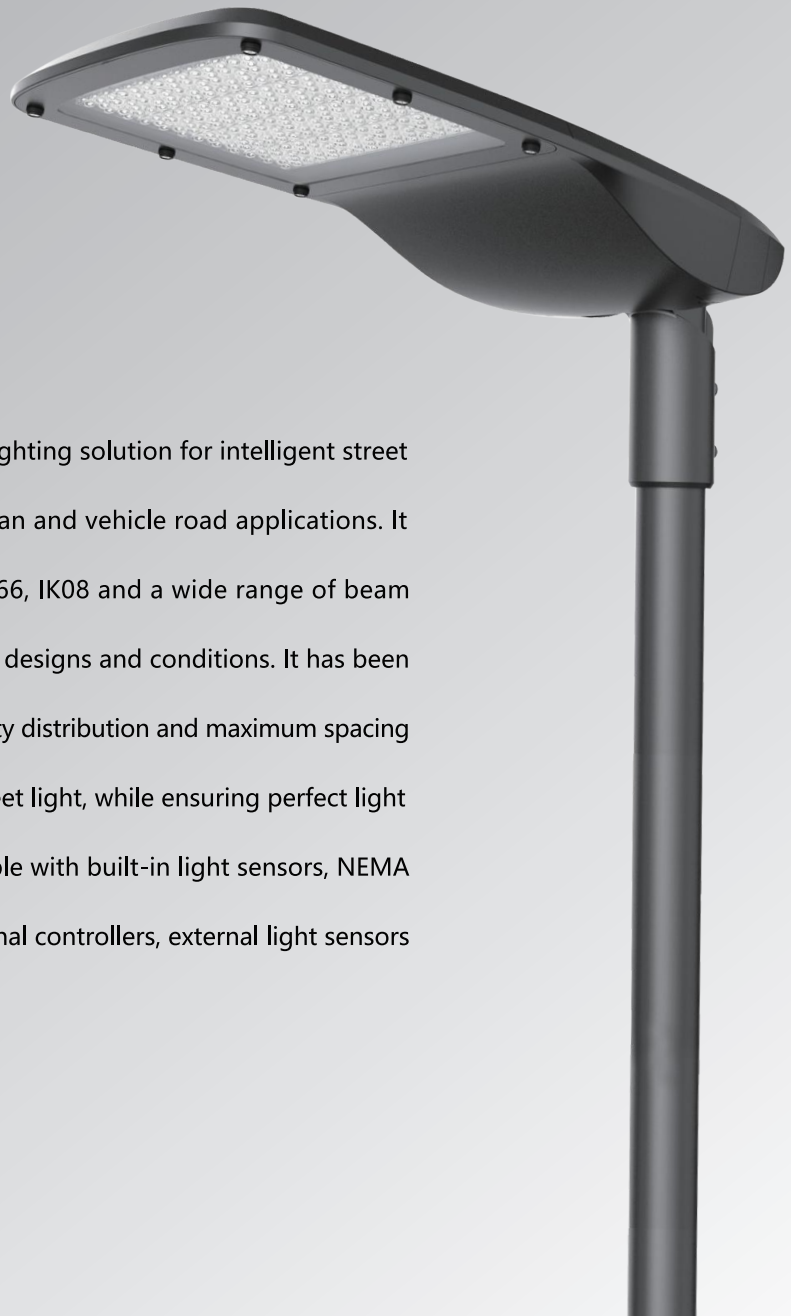
ASL07

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



Breaker

Blocking or penetrates an overloaded circuit

Clasp

Easy to open

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

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

Power Supply

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

Zhaga Socket

Connects single lamp controller or mobile monitoring sensor

Motion Sensor

Turns lights on and off by monitoring the movement of objects

Silica Gel

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	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

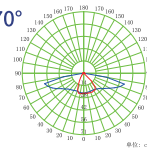
Material Of Shell	Aluminum (ADC12) +Optical Glass
Material Of Lens	PMMA PC
Color Of Shell	RAL 7022 RAL7040 etc (customized by customer)
Pole diameter (mm)	60
Size A (mm)	580*240*140
Size B (mm)	740*344*145
Size C (mm)	847*400*150

Tested according to

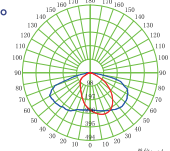
ENEC	EN 60598-2-3:2003+A1:2011 used in conjunction with EN IEC 60598-1:2021, EN 62262:2002
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ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

Typical photometric features

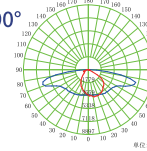
T-I -M 160*70°



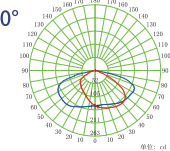
T-II -S 150*80°



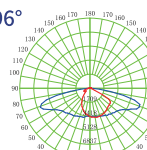
T-II -M 160*90°



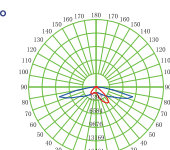
T-III-S 150*100°



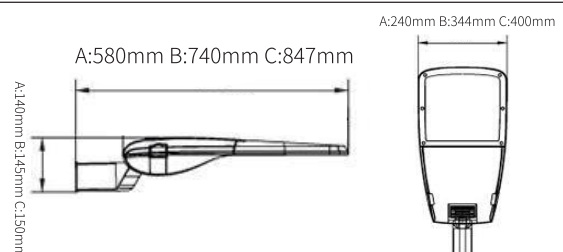
T-III-M 165*96°



T-III-L 160*65°



Dimensions



Color

■ Black



■ Grey






■ Black



■ Grey

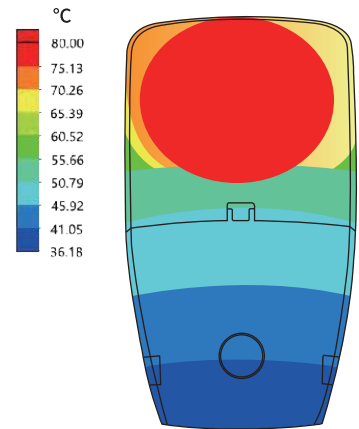


Ambient Temperature

-25°C 

 +50°C 



Working Temperature



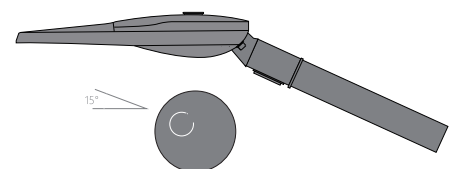
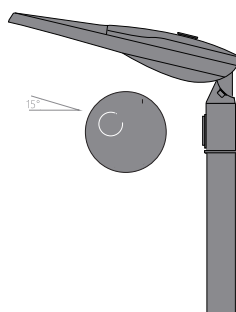
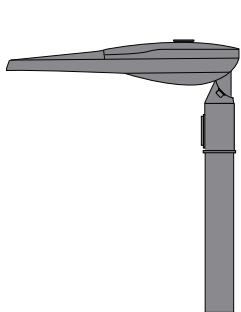
Split Diagram



Installation Diagram

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SWIFT SERIES

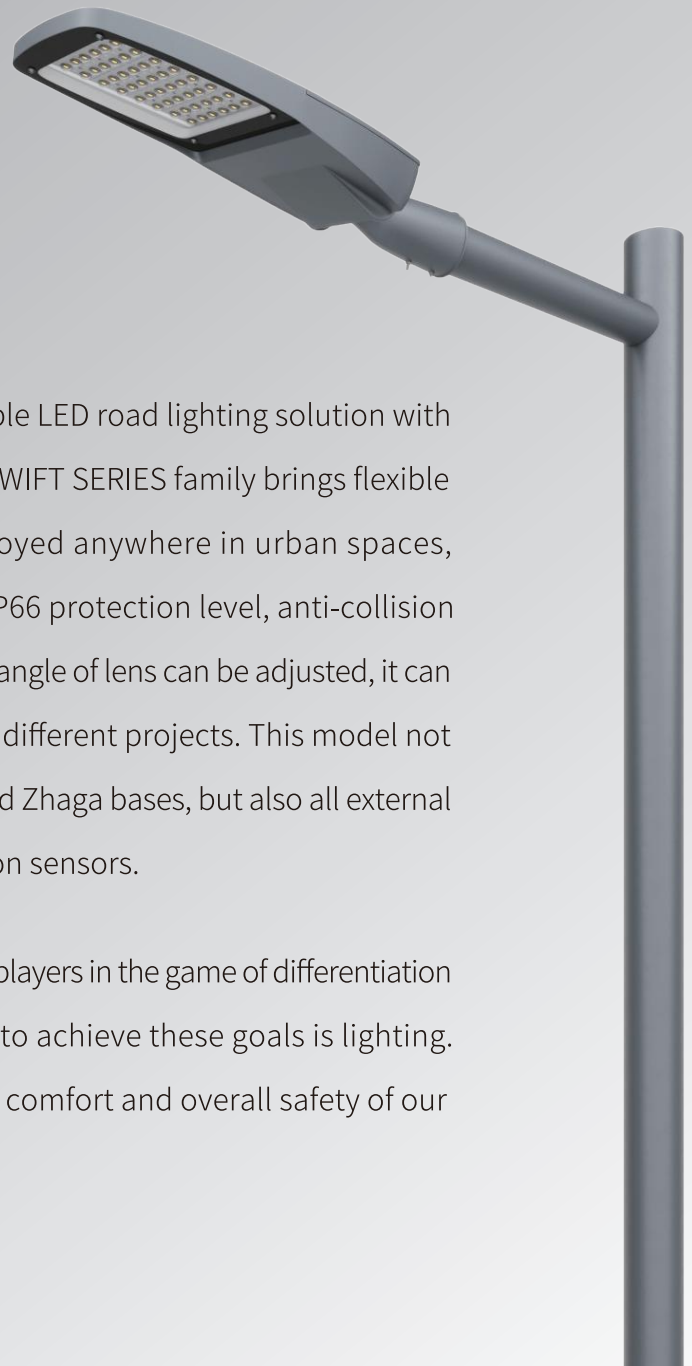
ASL11

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

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Nema Socket

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Motion Sensor

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Zhaga Socket

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Honeycomb Cooling

Lens

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

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Led Module

LED Chip Brand	Lumileds Cree Epistar plus
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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
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Performance	> 90%
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THD	< 12%

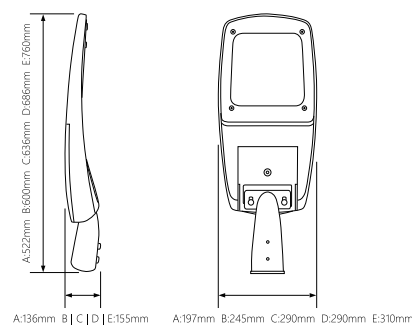
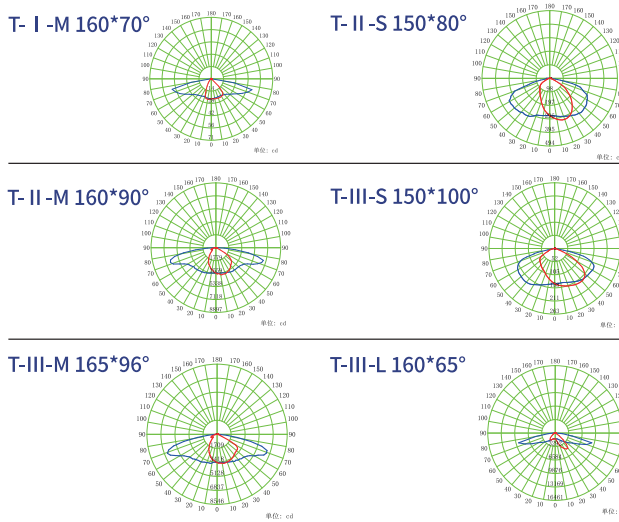
Materials and Properties

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



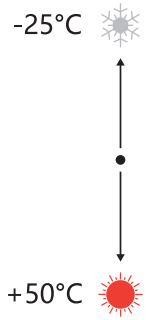
■ Black



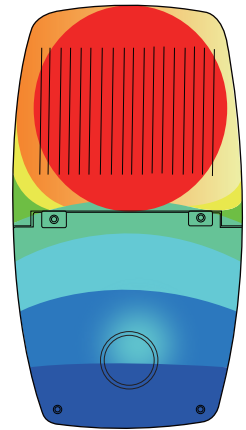
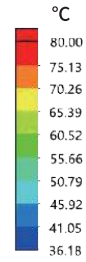
■ Grey



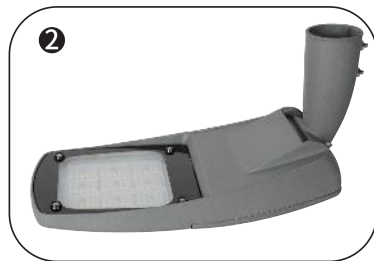
Ambient Temperature



Working Temperature



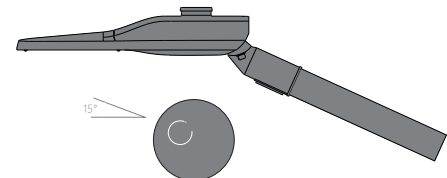
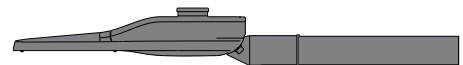
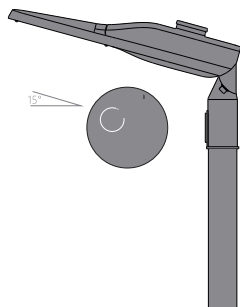
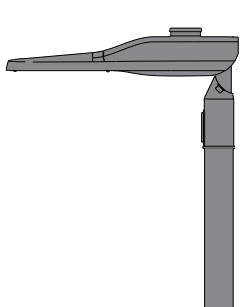
Split Diagram



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.

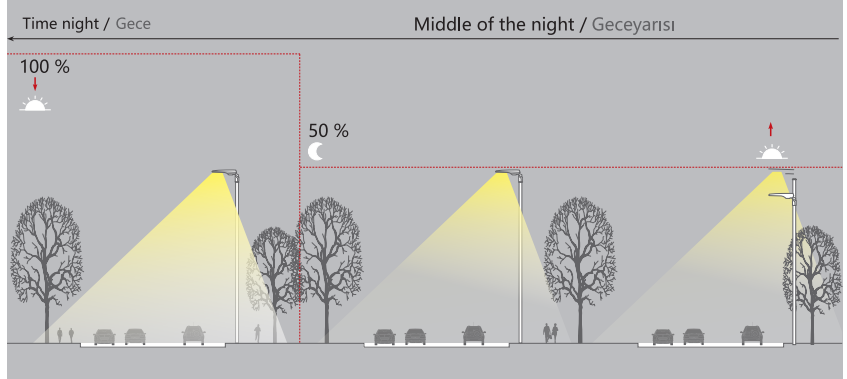
1. Install the lamp to the pole and tighten the screws.
2. Loosen the connecting rod converter screws and adjust the angles.
3. Tighten the connecting rod converter screws.



Falcon

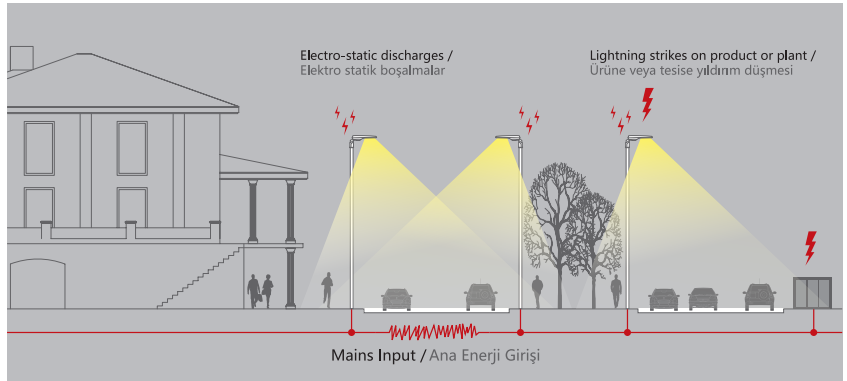
Falcon DIM

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.



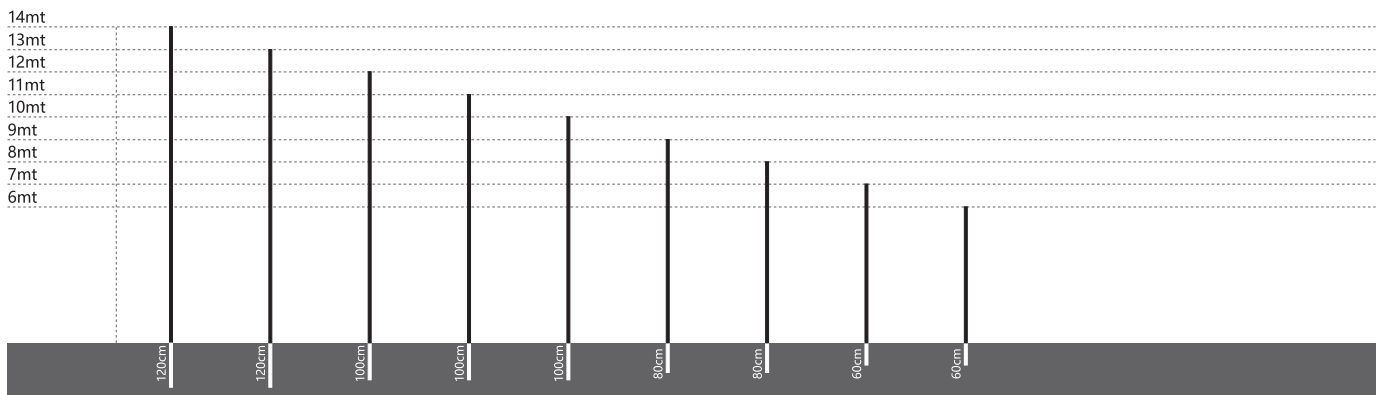
Falcon

Optics

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

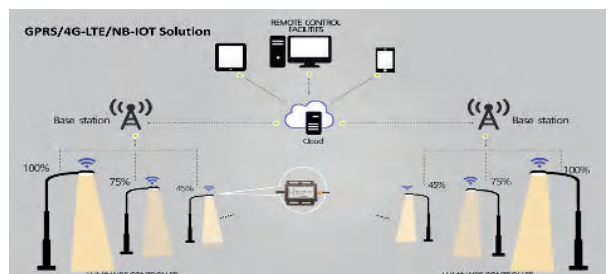
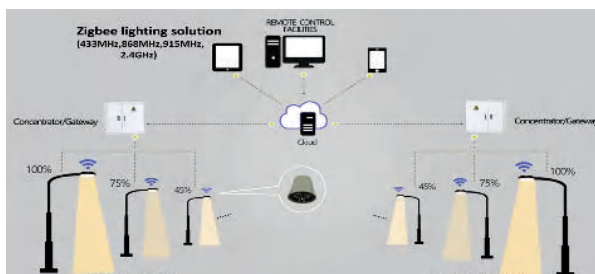
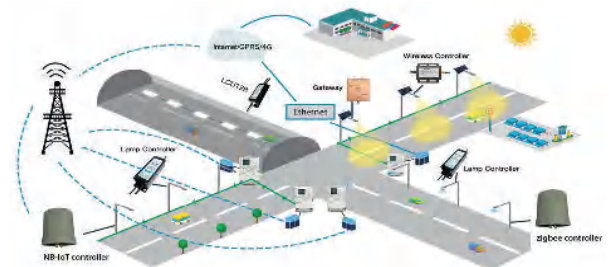


Advised Pole Heights to be Buried into Ground for Falcon series



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

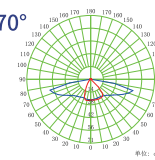
Material Of Shell	Aluminum(ADC12) + Optical Glass
Material Of Lens	PMMA PC
Pole diameter(mm)	60
Size A (mm)	515*190*98
Size B (mm)	575*242*109
Size C (mm)	615*262*110
Size D (mm)	685*287*110

Tested according to

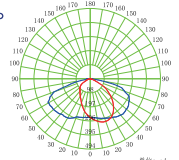
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

Typical photometric features

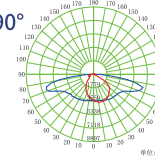
T-I-M 160*70°



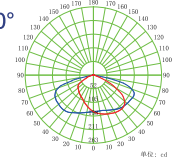
T-II-S 150*80°



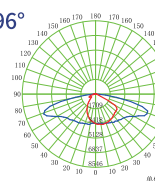
T-II-M 160*90°



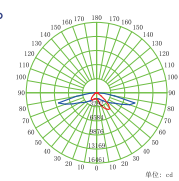
T-III-S 150*100°



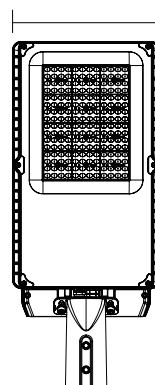
T-III-M 165*96°



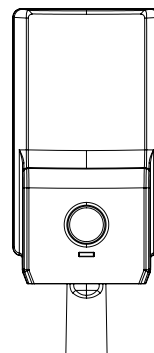
T-III-L 160*65°



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



A:515mm B:575mm C:615mm D:685mm



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

Color

■ Black



■ Grey



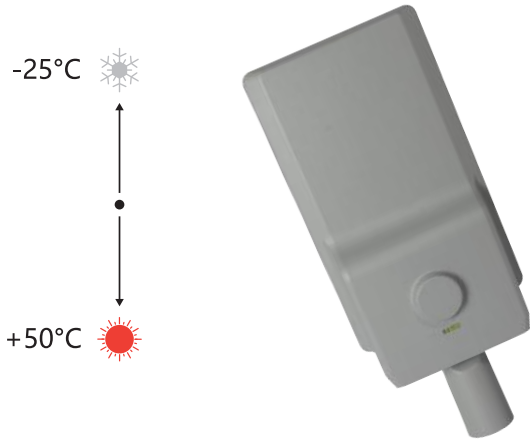
■ Black



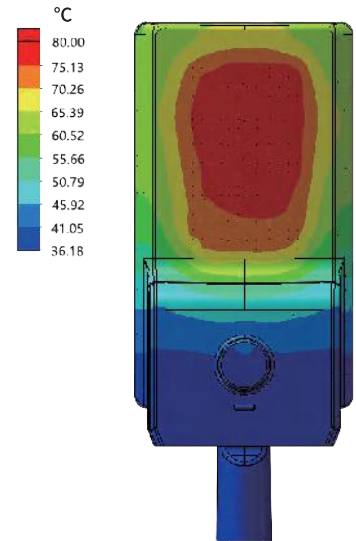
■ Grey



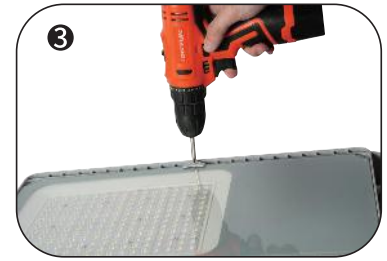
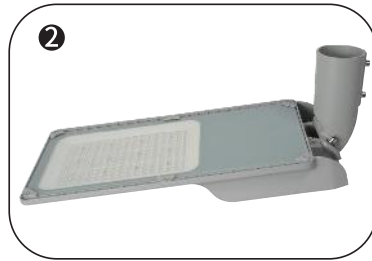
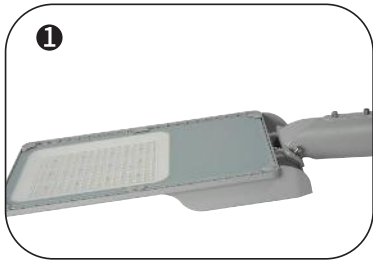
Ambient Temperature



Working Temperature



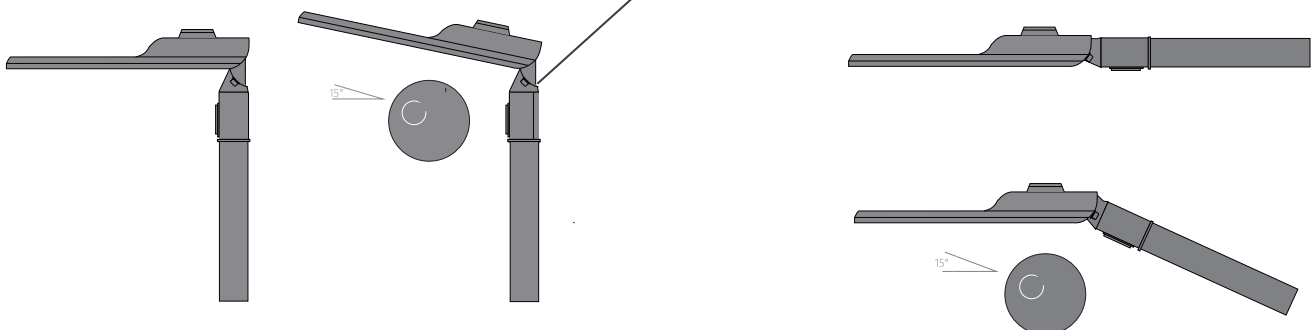
Split Diagram



Installation Diagram

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



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 left side 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 a mix of natural and man-made elements.

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

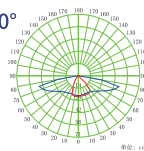
Material Of Shell	Aluminum(ADC07)+Optical Glass
Material Of Lens	PMMA PC
Pole diameter (mm)	AB:40 CDE:60
Size A (mm)	420*180*100
Size B (mm)	470*180*110
Size C (mm)	560*240*115
Size D (mm)	690*280*130
Size E (mm)	740*280*130

Tested according to

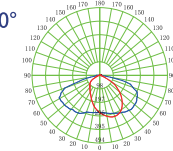
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

Typical photometric features

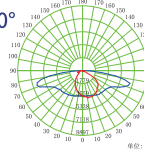
T-I-M 160*70°



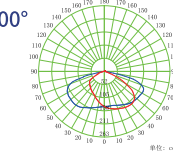
T-II-S 150*80°



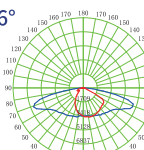
T-II-M 160*90°



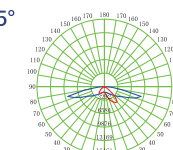
T-III-S 150*100°



T-III-M 165*96°

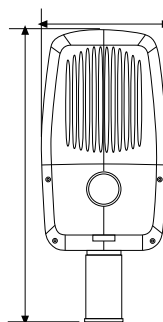


T-III-L 160*65°

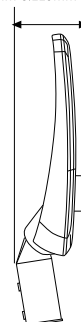


A:180mm B:180mm C:240mm D:280mm E:280mm

A:420mm B:470mm C:560mm D:690mm E:740mm



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



Color

■ Dark Grey



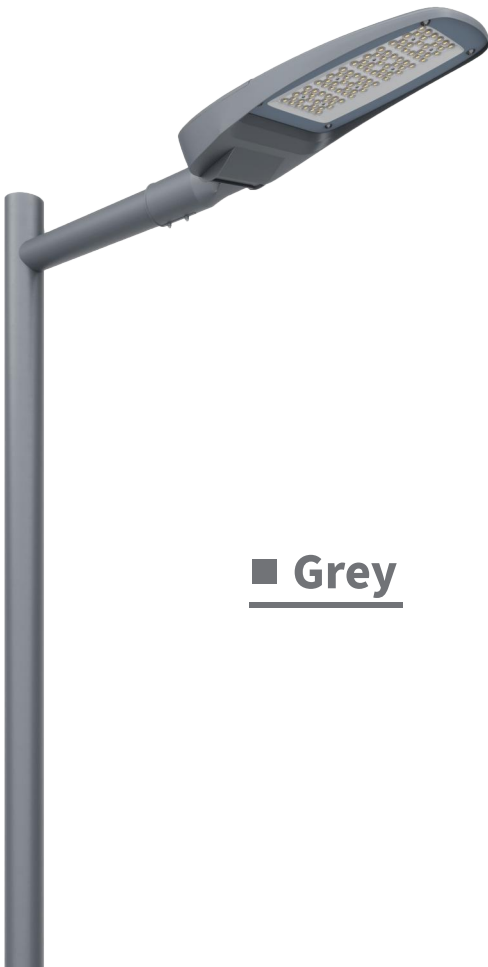
■ Grey



■ Dark Grey



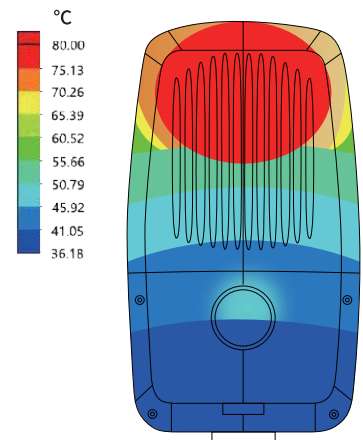
■ Grey



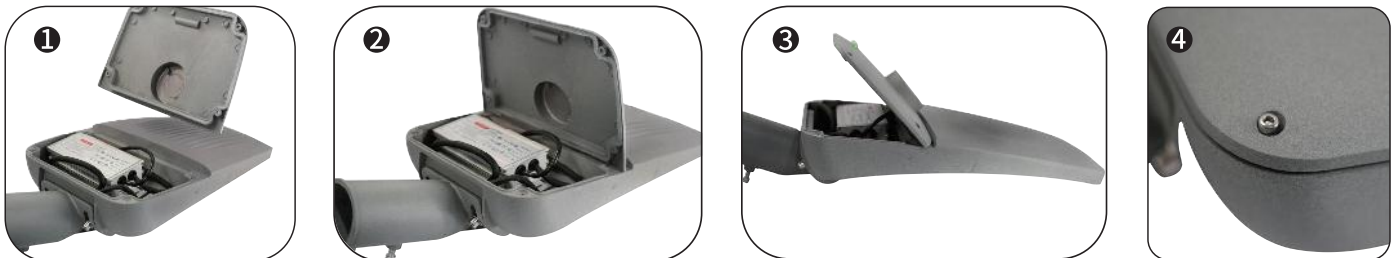
Ambient Temperature



Working Temperature



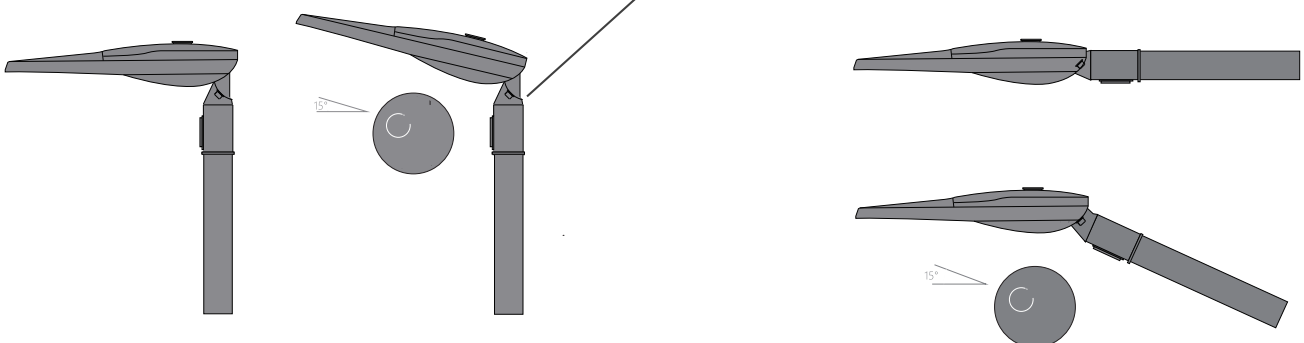
Split Diagram



Installation Diagram

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



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

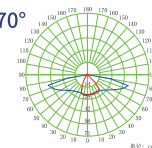
Materials	Aluminum(ADC12) +Optical glass
Material Of Lens	PC PMMA
Pole diameter (mm)	A/B/C/D:60
Size A (mm)	520*210*110
Size B (mm)	650*255*135
Size C (mm)	700*300*135
Size D (mm)	860*360*145

Tested according to

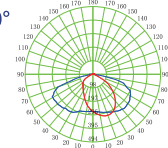
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

Typical photometric features

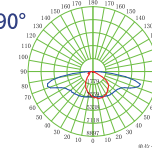
T-I-M 160*70°



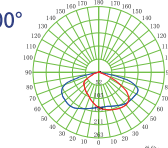
T-II-S 150*80°



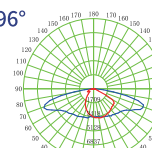
T-II-M 160*90°



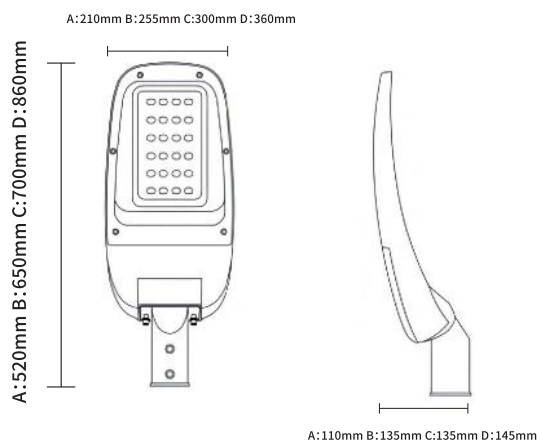
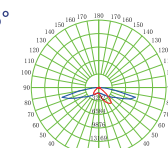
T-III-S 150*100°



T-III-M 165*96°



T-III-L 160*65°



Color

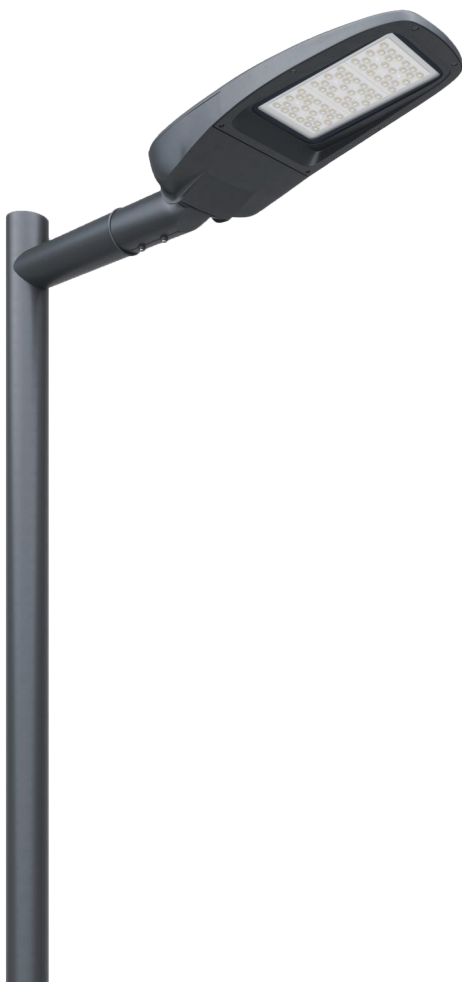
■ Black



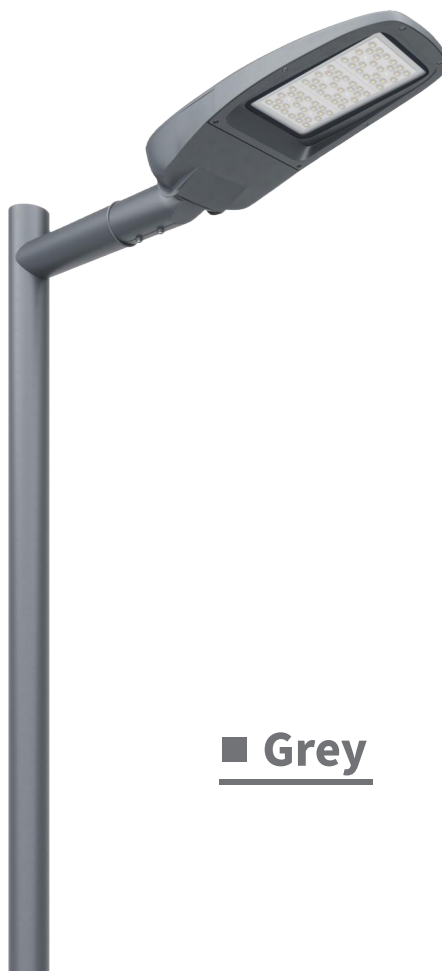
■ Grey



■ Black



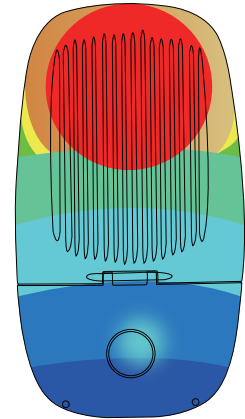
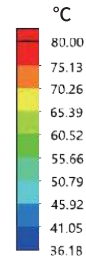
■ Grey



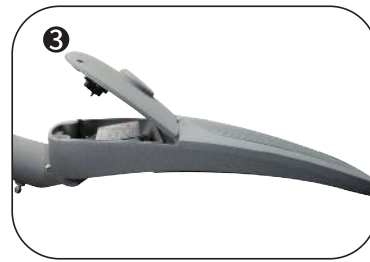
Ambient Temperature



Working Temperature



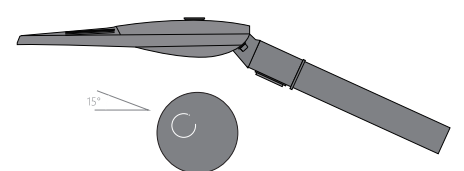
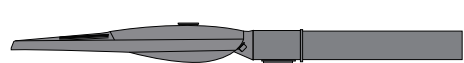
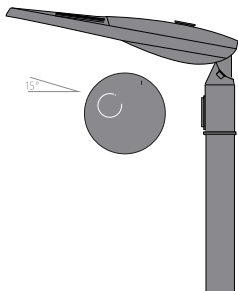
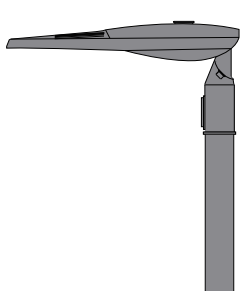
Split Diagram



Installation Diagram

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



LEOPARD SERIES

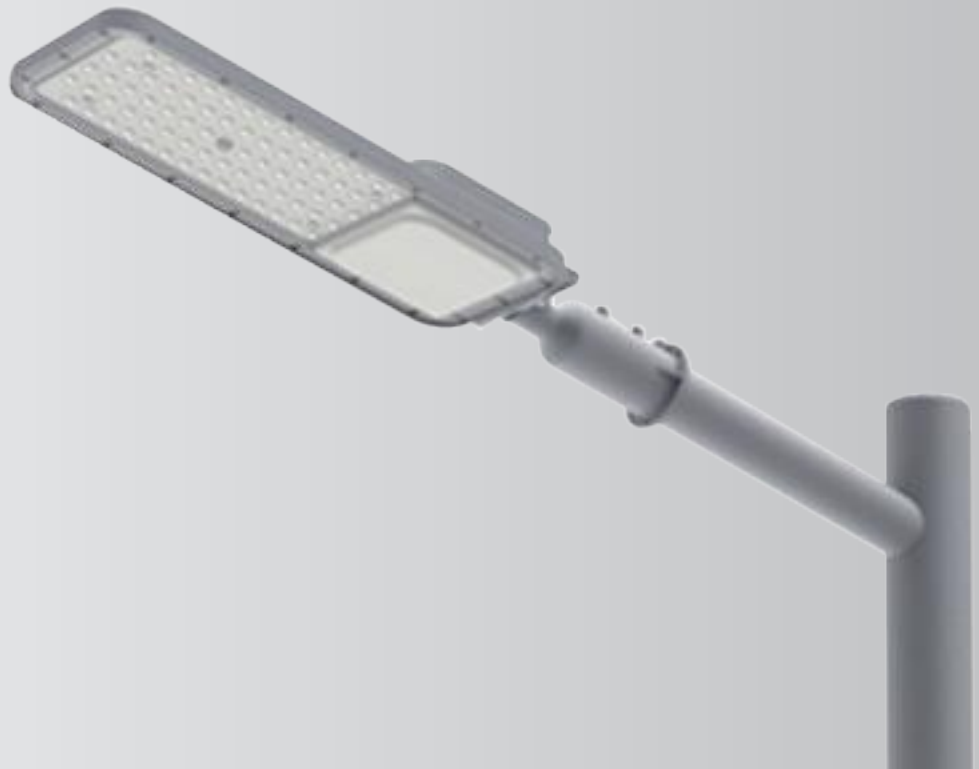
ASL48 Pro

Application



CE

ErP



- **BRAND LED LAMP BEADS**

HIGH BRIGHTNESS,HIGH COLOR RENDERING,LONG LIFESPAN

- **SHAPE**

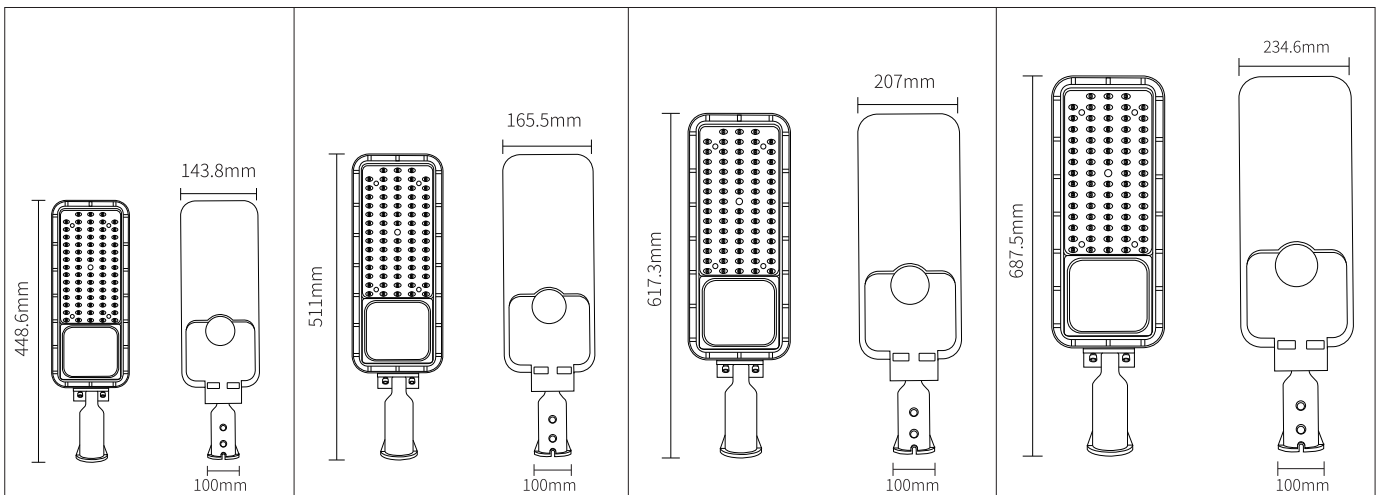
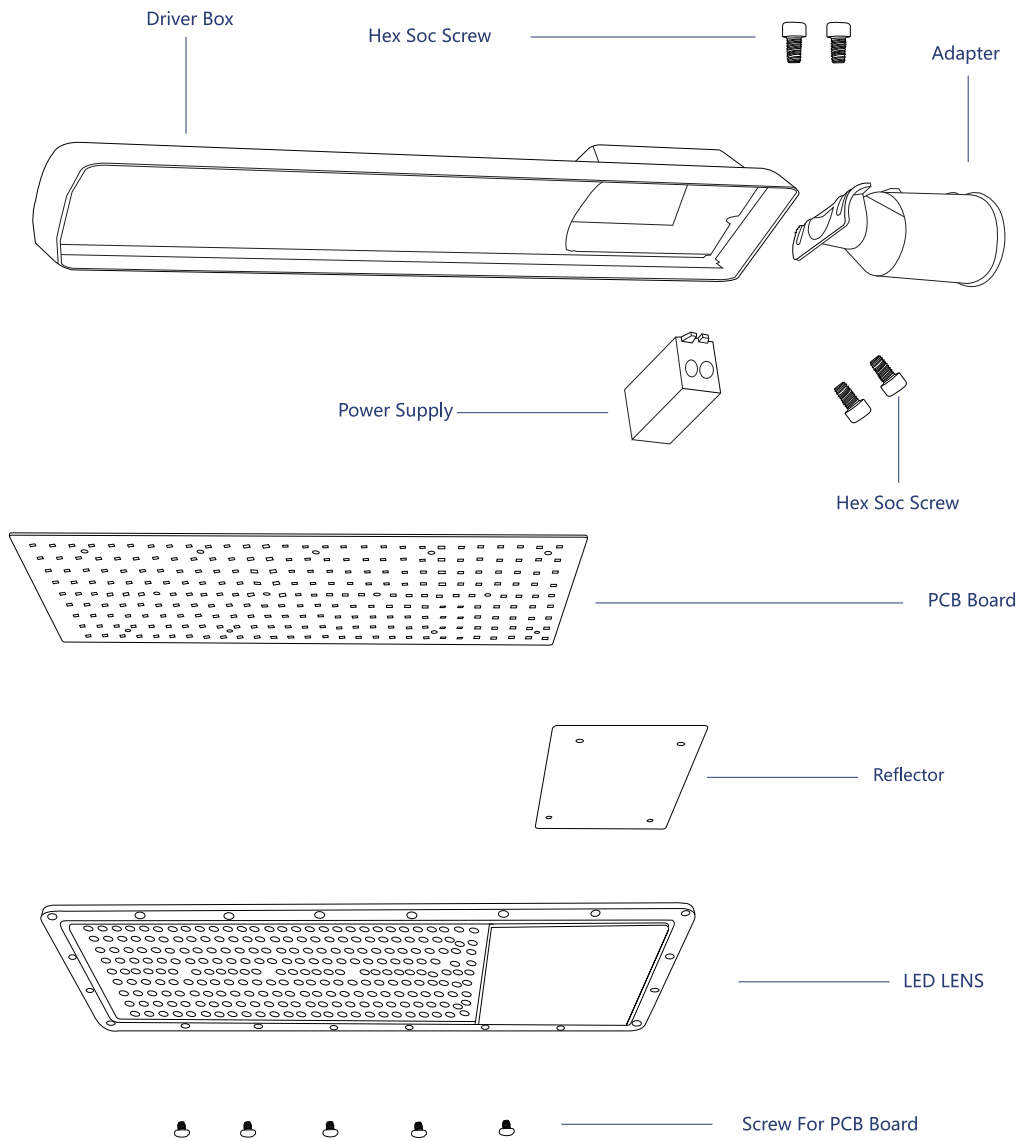
COME WITH COMPACT EXTRA SLIM SHAPE ENSURE EASY INSTALLATION AND HIGH PERFORMANCE

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

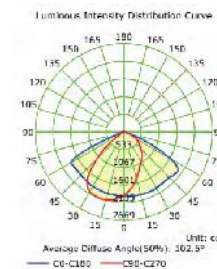
Material Of Shell	Aluminum (ADC12)
Material Of Lens	PMMA PC
Color Of Shell	RAL 9022 RAL7040 etc (customized by customer)
Pole diameter (mm)	60
Size A (mm)	448.6*143.8*100
Size B (mm)	511*165.5*100
Size C (mm)	617.3*207*100
Size D (mm)	687.5*234.6*100

Tested according to

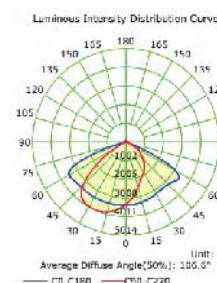
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

Typical photometric features

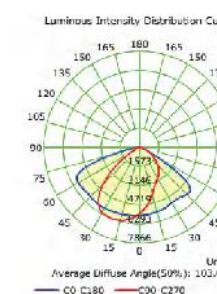
50W



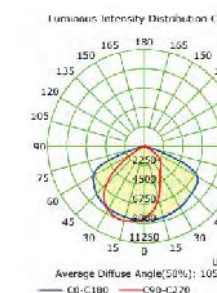
100W



150W



200W



Color

■ Black



■ Grey



■ Black



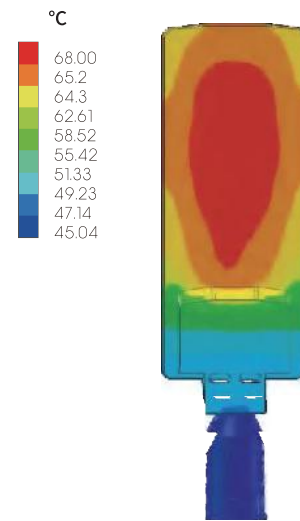
■ Grey



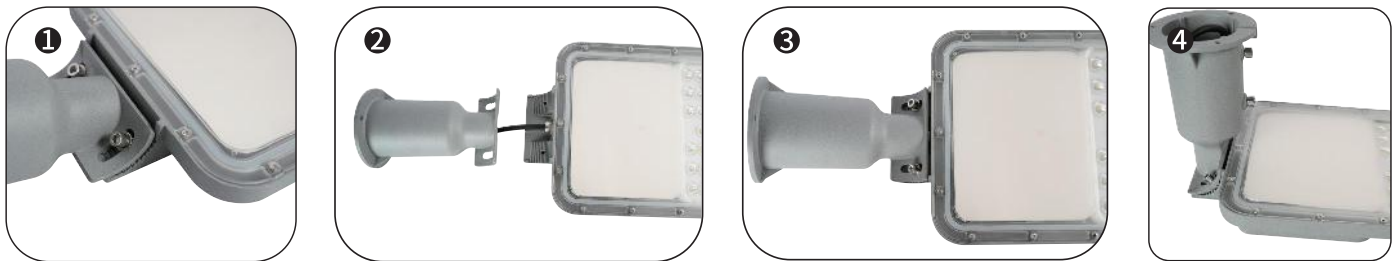
Ambient Temperature



Working Temperature



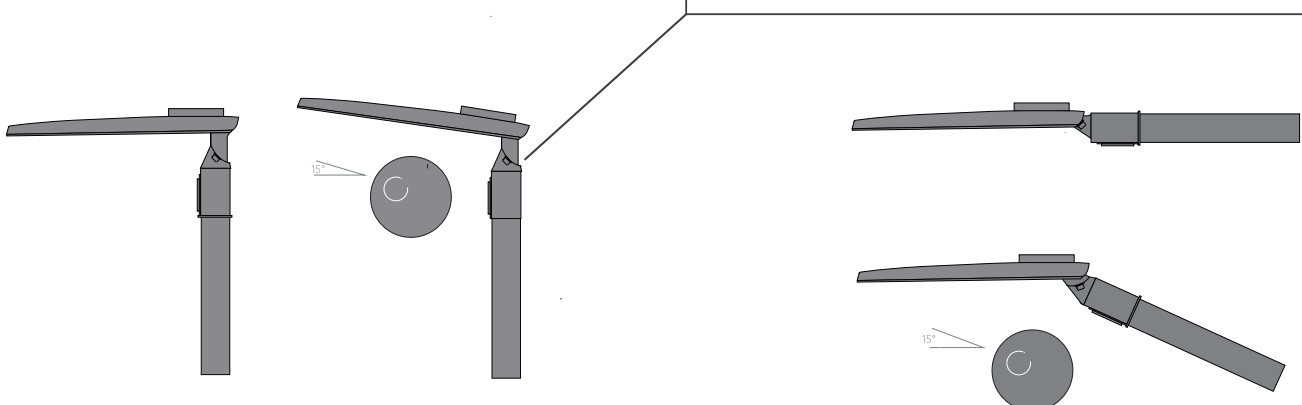
Split Diagram



Installation Diagram

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



MANTA SERIES

ASL40

Application



ARKİTEN
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0212 230 26 61

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CE

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- **MILITARY SHELL**
EFFICIENT HEAT DISSIPATION

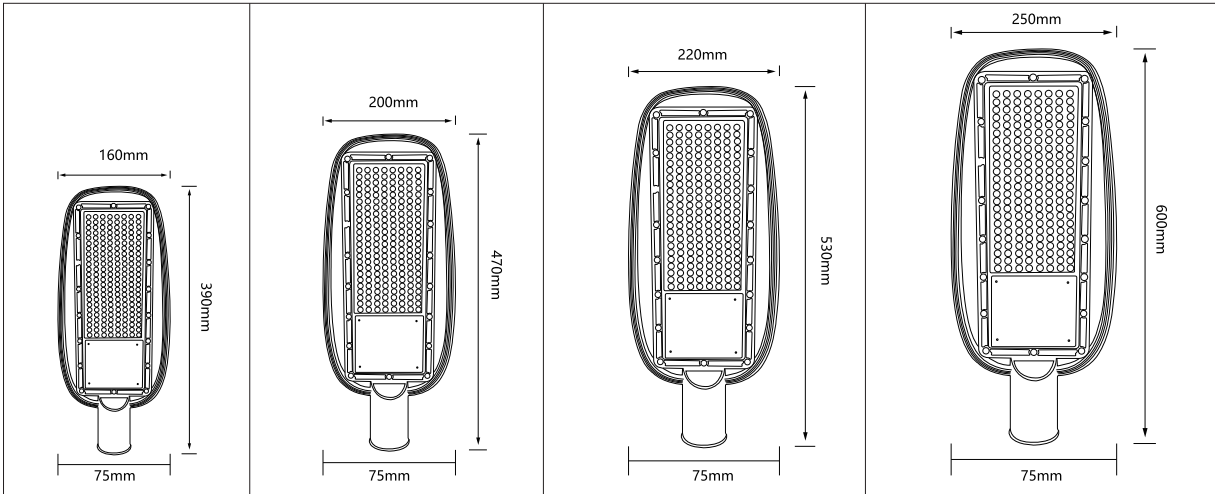
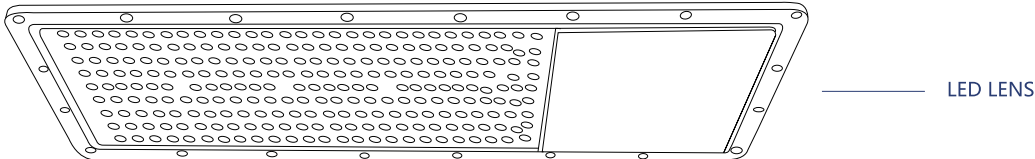
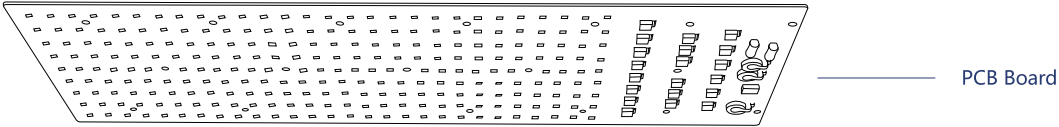
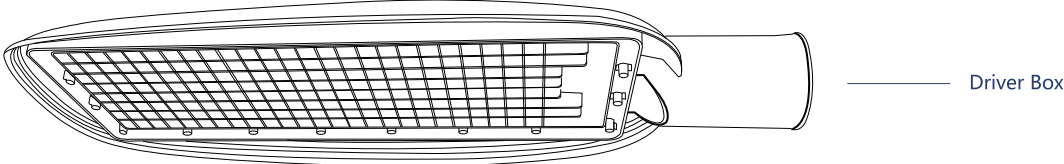
- **BREAKER**
THE DRIVER ROOM IS EQUIPPED
WITH A SAFTY SWITCH TO ENSURE
THE SAFETY OF THE INSTALLATION
AND MAINTENANCE PERSONNEL

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

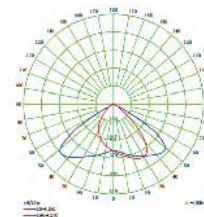
Materials	Aluminum (ADC07)
Material Of Lens	PC PMMA
Pole diameter (mm)	60
Size A (mm)	390*160*75
Size B (mm)	470*200*75
Size C (mm)	530*220*75
Size D (mm)	600*250*75

Tested according to

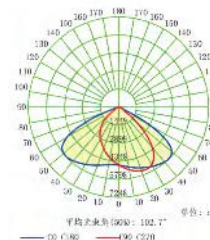
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

Typical photometric features

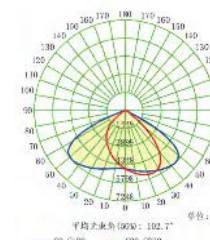
50W



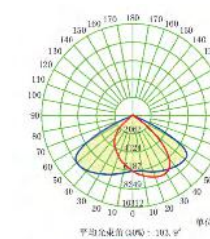
100W



150W



200W



Color

■ Black



■ Grey



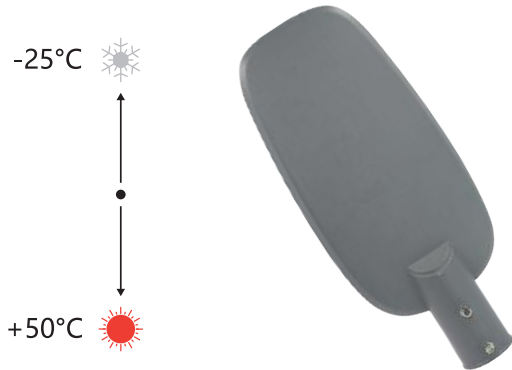
■ Black



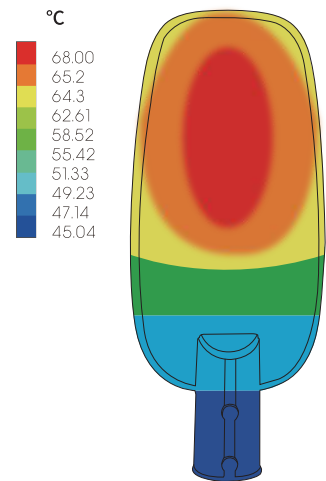
■ Grey



Ambient Temperature



Working Temperature



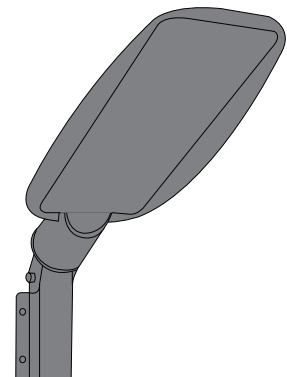
Split Diagram



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.



SARDINE SERIES

ASL46

Application



CE

ErP



- **MILITARY SHELL**
EFFICIENT HEAT DISSIPATION

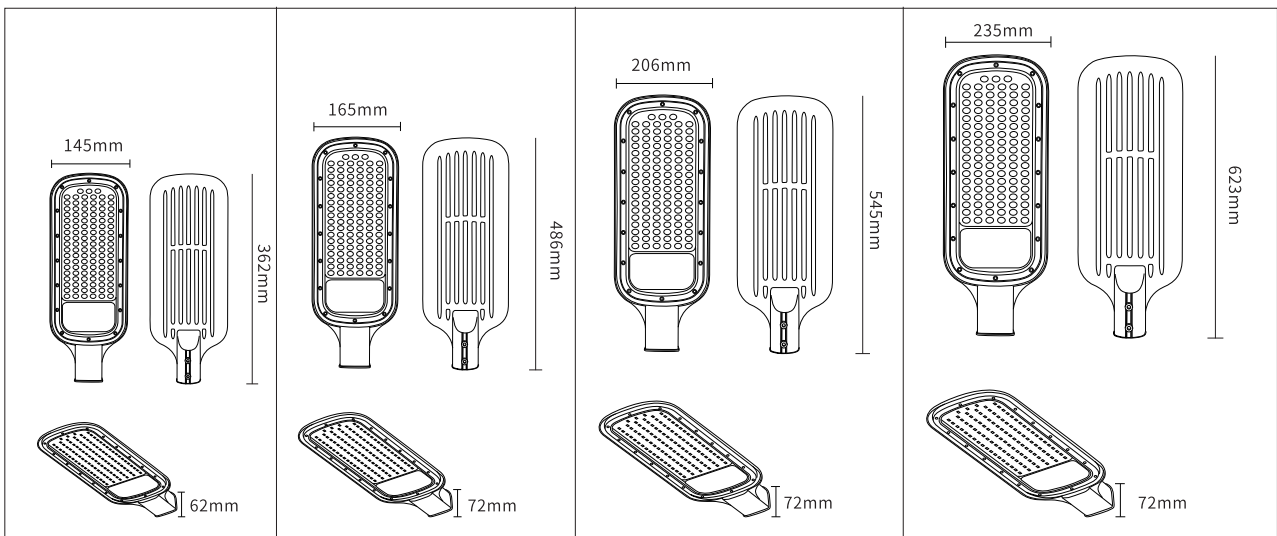
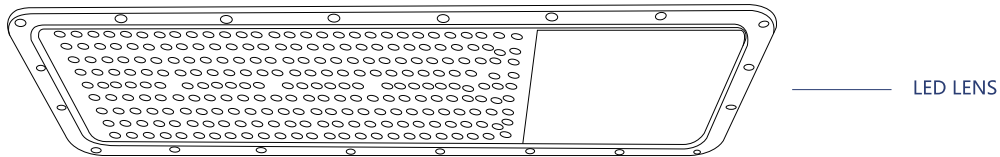
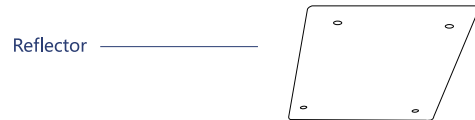
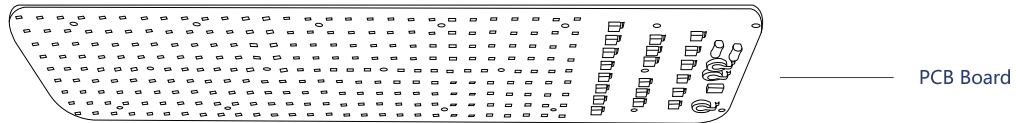
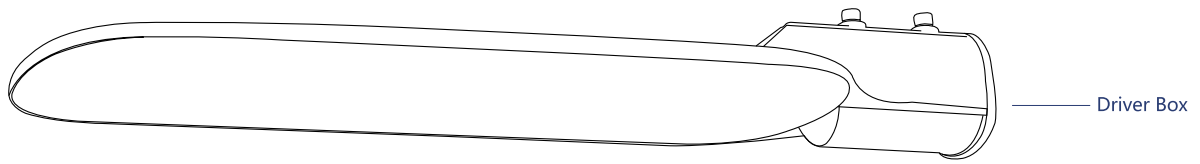
- **BREAKER**
THE DRIVER ROOM IS EQUIPPED WITH A SAFTY SWITCH TO ENSURE THE SAFETY OF THE INSTALLATION AND MAINTENANCE PERSONNEL

SARDINE SERIES

ASL46

ASL46 SERIES or the SARDINE 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

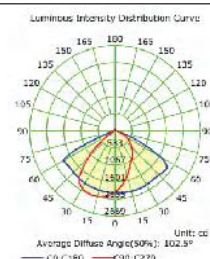
Materials	Aluminum(ADC07)
Material Of Lens	PC PMMA
Pole diameter (mm)	A:50 B:50 60 C:60 D:60
Size A (mm)	362*145*62
Size B (mm)	486*165*72
Size C (mm)	545*206*72
Size D (mm)	623*235*72

Tested according to

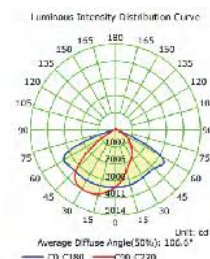
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

Typical photometric features

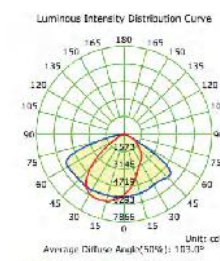
50W



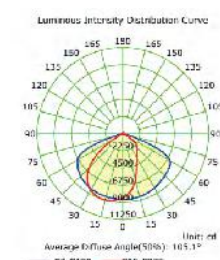
100W



150W

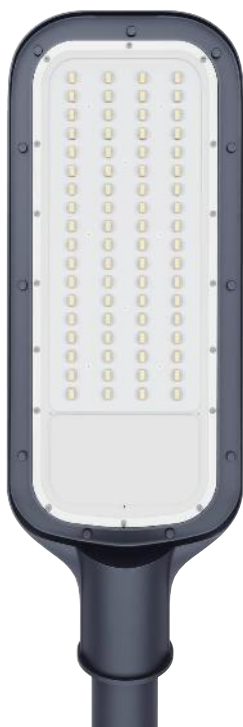


200W



Color

■ Black



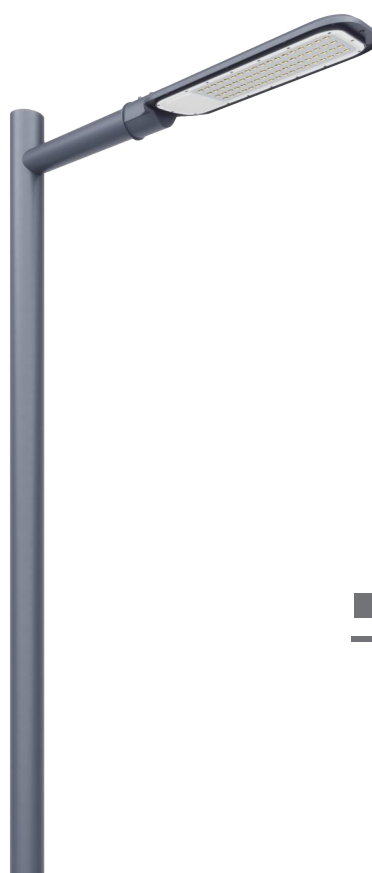
■ Grey



■ Black



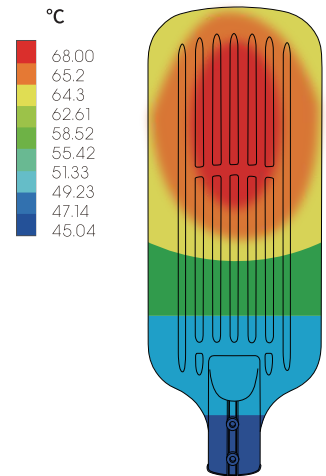
■ Grey



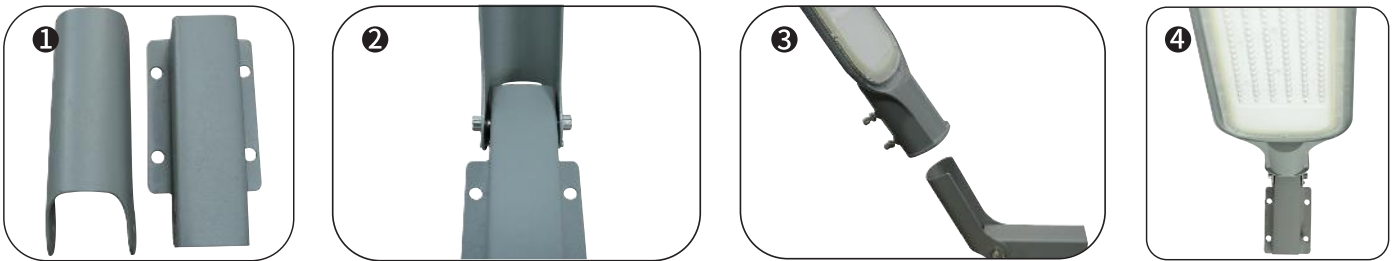
Ambient Temperature



Working Temperature



Split Diagram

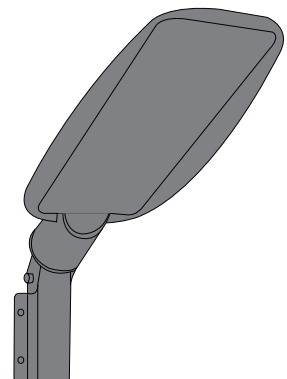


Installation Diagram

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



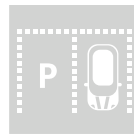
URBAN &
RESIDENTIAL
STREETS



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

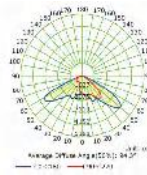
Materials	Aluminum(ADC12)
Material Of Lens	PC PMMA
Pole diameter (mm)	60
Size AGL10 (mm)	360*467
Size AGL11(mm)	440*467

Tested according to

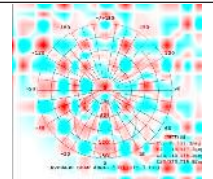
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017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

Typical photometric features

AGL10



AGL11



Dimensions

