FALCON SERIES

ASL29

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

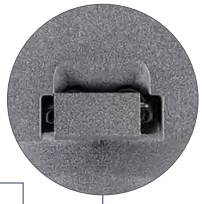
Product Details

A++LSR

A++ nipple grade silicone

Clasp

Easy open



Breaker

Blocking or penetrating an overloaded circuit

Surge Protective Device

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

Photocell

Control lights on and off by light intensity

Nema Socket

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

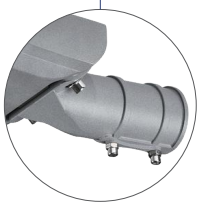
Power Supply

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

Easy to Repair

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

Honeycomb Cooling



Connector

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

Lens

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

Zhaga Socket

Connect single lamp controller or mobile monitoring sensor

Motion Sensor

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

Technical Data

Led Module

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

Electrical Parameters

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

Driver

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

Materials and Properties

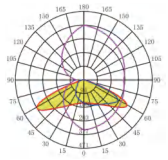
Material Of Shell	Aluminum (ADC12) +Optical Glass
Material Of Lens	PMMA | PC
Color Of Shell	RAL 9022 | RAL7040 etc
Pole diameter (mm)	60 | 76
Size A (mm)	578.1*237.5*122.6
Size B (mm)	679.5*266.4*122.6
Size C (mm)	798.1*300.5*122.6

Tested according to

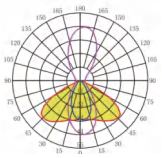
ENEC	EN 60598-2-3:2003+A1:2011 used in conjunction with EN IEC 60598-1:2021, EN 62262:2002
CB	IEC 60598-2-3:2002+A1 IEC 60598-1:2020 IEC 60598-2-3:2002, IEC 60598-2-3:2002/AMD1:2011 used in conjunction with IEC 60598-1:2020
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015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

Typical photometric features

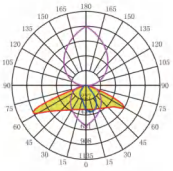
L100×60



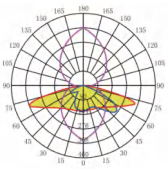
L120×60



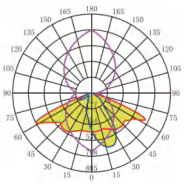
L143×50



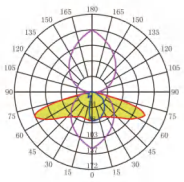
L142×64



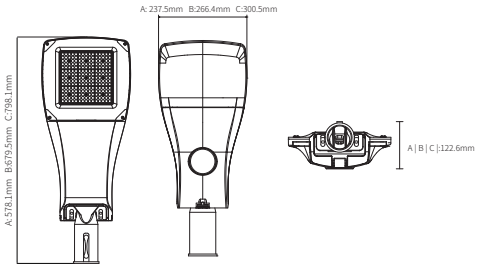
L147×72



L150×80



Dimensiones



Color

■ **Black**

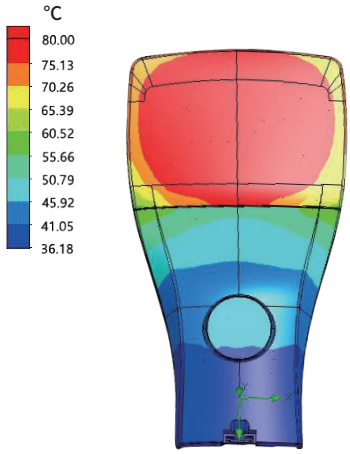
■ **Grey**

■ **Black**

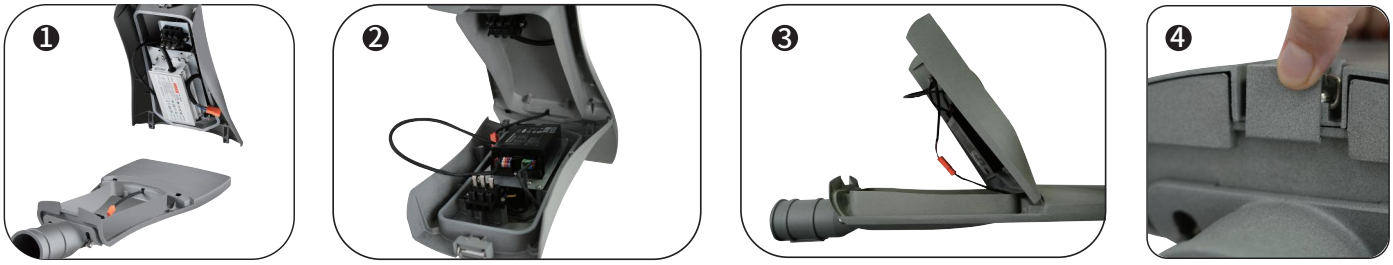
■ **Grey**

Ambient Temperature

Working Temperature



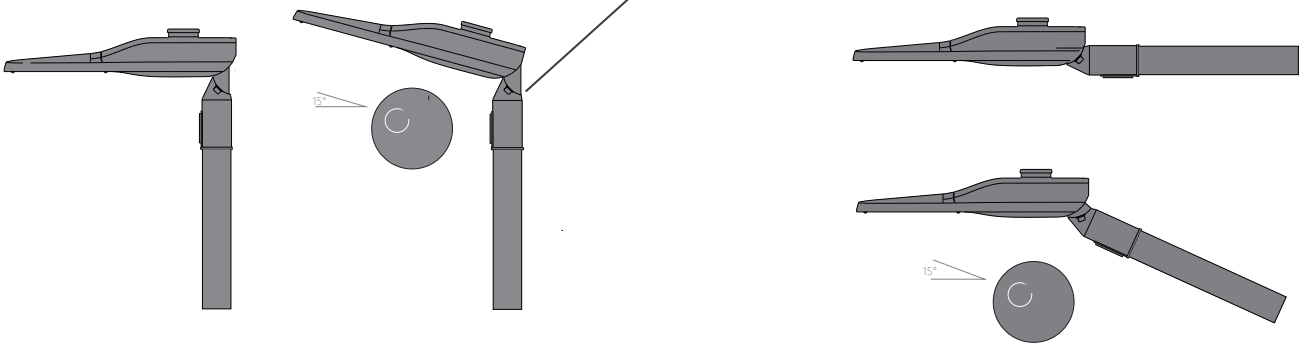
Split Diagram



Installation Diagram

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

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



FALCON SERIES

ASL29

Application