

# HAWK SERIES

## ASL07



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

## Product Details



**Nema Socket**

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



**Breaker**

Blocking or penetrating an overloaded circuit



**Clasp**

Easy open



**Silica Gel**



**Connector**

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

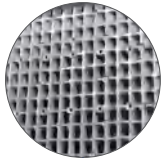


**Photocell**

Control lights on and off by light intensity



**Honeycomb Cooling**



**Surge Protective Device**

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



**Power Supply**

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



**Zhaga Socket**

Connect single lamp controller or mobile monitoring sensor



**Motion Sensor**

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



**Lens**

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



## Technical Data

### Led Module

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

### Electrical Parameters

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

### Driver

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

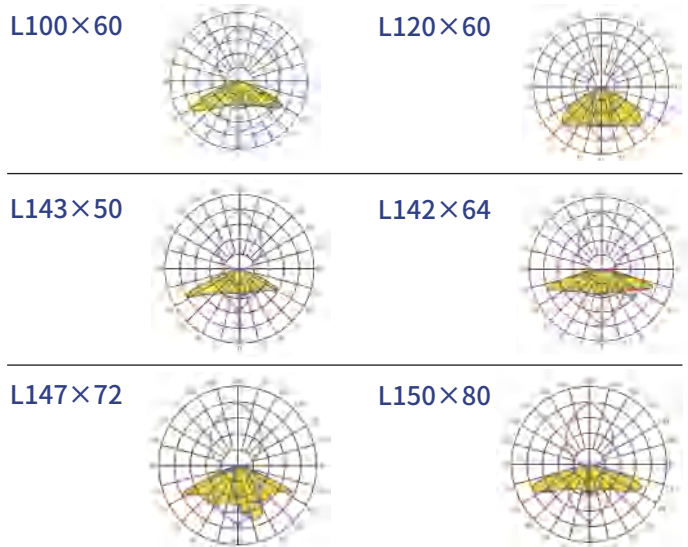
### Materials and Properties

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

### Tested according to

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

### Typical photometric features



### Dimensiones



Color

■ Black



■ Grey



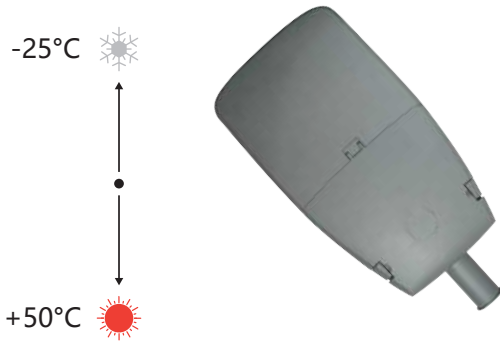
■ Black



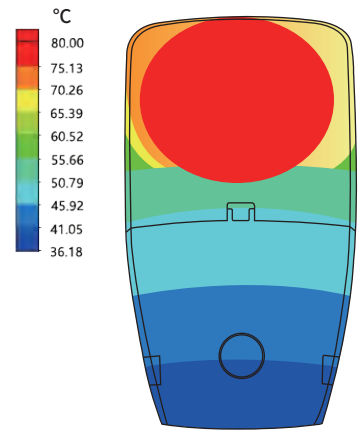
■ Grey



## Ambient Temperature



## Working Temperature



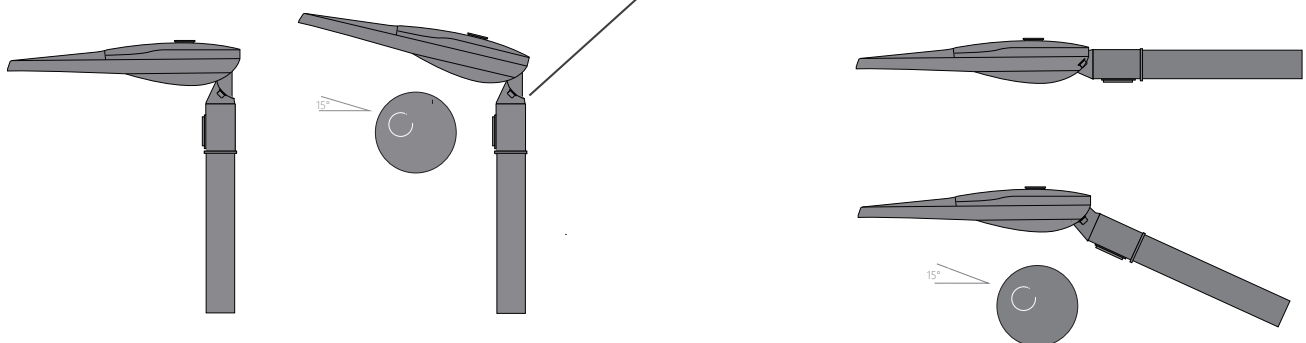
## Split Diagram



## Installation Diagram

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

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



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Application

