



Motion Activated Solar LED Street Lighting




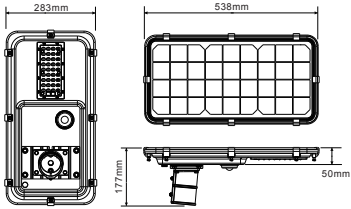
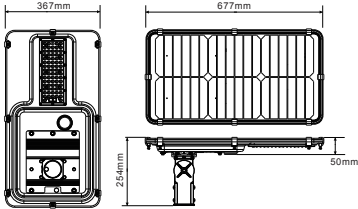
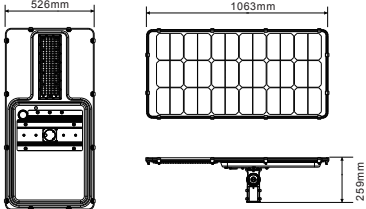
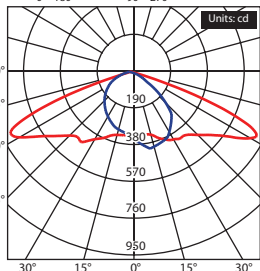
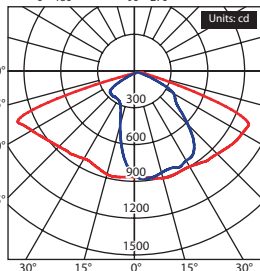
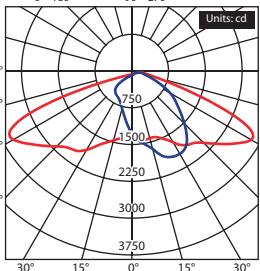
SSL-A Series: Motion activated LED street light with solar battery in 8W, 15W & 40W models

The ENSA™ SSL-A series features motion-activated, solar-powered LED street lights, designed to easily deliver lighting to any outdoor location. These pole-mounted lights provide good coverage with a wide, rectangular beam angle in natural white colour. Features a motion sensor that can be set to always activate the LED at night, or only when motion is detected.

These lights are fully self-sufficient, not requiring any external cabling. This makes them excellent for use in remote locations such as rural roads, power stations & construction sites, as well as general use in streets, parks, schools, farms and more.

- Outstanding energy efficiency at 160lm/W performance.
- 19.6% conversion rate monocrystalline silicon solar panels.
- 3 modes to customise battery, light, and sensor use.
- Effective light distribution with 150° x 70° beam angle.
- Built-in PIR & microwave motion detection lighting.
- Approx. 12 hours use at 100% brightness (full charge).
- Available in 4500K natural white colour temperature.
- IP66 dust and weather resistant for external use.

Series Specifications

Model	SSL-A8PN	SSL-A15MN	SSL-A40MN
Product Image			
Series Name	SSL-A Series Motion Activated Solar LED Street Lights		
Optical			
Light Output	1273lm	2445lm	6947lm
Luminous Efficacy	160lm/W		
Colour Temperature	4500K		
Beam Angle	150° x 70°		
Electrical			
Power Consumption	8W	15W	40W
Internal Battery	9.6Ah LiFePO4	16Ah LiFePO4	41.6Ah LiFePO4
Input Voltage	12VDC		
Operating Time	From full charge: >12 hours (full power) / >120 hours (intelligent mode)		
Solar Panel			
Panel Type	Monocrystalline silicon		
Panel Wattage	17.5W	30W	75W
Panel Conversion Rate	≥19.6%		
Panel Bracket	Adjustable bracket angle -60° ~ 60°		
Detection			
Motion Detection	PIR, Ø7m range at 6m height	Microwave motion sensor, Ø10m range at 8m height	Microwave motion sensor, Ø10m range at 8m height
On-Time Delay	On-time delay: 0~150s (default 10 seconds), Brightness after last detected motion: 0~100% (default 30%)		
Normal operating mode	Daytime use: 0 ~ 15 hours (0 default) - Brightness on motion 0 ~ 100% (default 100%)		
Morning light mode	Morning into daytime use: 0 ~ 15 hours (0 default) - Brightness on motion 0 ~ 100% (default 30%)		
Sensor mode	Night time sensor use: 0 ~ 15 hours (default: 15 hours) Brightness on motion: 0~100% (default 70%)		
General			
Ingress Protection	IP66		
Pole Diameter	Ø50~60mm		
Operating Environment	-10° ~ 60°C / 10~90%RH		
Dimensions	538 x 177 x 283mm	677 x 254 x 367mm	1063 x 259 x 526mm
Photometry			
Dimensions			
Luminous Light Distribution			

Ordering Information

Type	Series	Wattage
SSL	- A	8PN (8W, PIR sensor) 15MN (15W, MW sensor) 40MN (40W, MW sensor)
SSL-A40MN: 40W Motion Activated Solar LED Street Light in Natural White		