

# FLY-LITE SOLAR STREET LIGHT

## Unique structure design

The Fly-Lite is an integrated light with the solar panel, LED body, battery and controller all in one making an aesthetically sleek looking luminaire which is easy to transport, install and maintain. The solar panel can be adjusted manually in vertical and horizontal direction, ensuring the maximum efficiency of solar energy. Unique fault indicating system includes over discharging of battery, System over-voltage, LED load in short circuit and LED load in open circuit.



Remote Setting



Microwave Sensor Optional



MC4 Plug Connection



Lithium Battery



12 Hrs/Day  
130 LM/W



Innovative Design

## Advantages & Applications

### Unique integration design

Easy to transport, install and maintain.

### Rotating solar panel

In vertical and horizontal direction.

### Charge and discharge management

Protects battery by software and hardware, supporting battery charge at 0v.

### Light efficiency management

Patent led chip with high efficiency, the whole system lighting efficiency has been improved to 180lm/w.

### Patent bat-wing lens

Much wider lighting area, maximising the light output on the road, increasing the distance between lights to 50m.

### MPPT technology

The conversion efficiency of the solar system can be fully increased, effectively shortening the 20% charge time.

Fly-Lite Solar Street Lighting offers a totally off grid lighting solution and can cater for many applications such as:

- Council roads
- Adopted roads
- Residential areas
- Driveways and pathways
- Retirement villages
- Housing estates
- Business parks
- Storage areas
- Site offices
- Perimeter security
- Construction sites

Sun-Lite can offer a slimline designed all in one street light and a more powerful all in two street light for more demanding applications.

# SPECIFICATION

	Type	SL-FL100	SL-FL120	SL-FL150
Panel	Power	100W/18V	120W/18V	150W/18V
	Material	Mono crystalline silicon	Mono crystalline silicon	Mono crystalline silicon
	Solar cell efficiency	19-20%	19-20%	19-20%
	Dimensions	915mm x 666mm	1050mm x 666mm	1320mm x 666mm
Lithium battery	Capacity	380WH/12.8V	465WH/12.8V	549WH/12.8V
	Charge cycle times	2000 times	2000 times	2000 times
Lamp head	Luminous flux	5800-6100lm	7500-7700lm	9100-9300lm
	Light output	30W	40W	50W
	LED qty	154pcs		
	LED chip	Bridgelux		
	Colour temperature	6000K		
	CRI	≥70Ra		
	Lamp head material	Aluminium alloy		
	Elevation angle	17° (attention to Dialux use)		
System	Lifespan	50000hrs		
	Light control voltage	5V		
	Light distribution	Batwing lens with polarised light		
	Beam angle	X-axis: 158° Y-axis: 62°		
	Lighting time	3-4 rainy days (fully charged)		
Installation	Operation temp	-20°C-60°C		
	Top diameter of pole	80mm		
	Mounting height	7-12m		
	Installation space	20-40m		

## Dimensions

