

SOLO-LITE SOLAR STREET LIGHT

All in One Solar Street Lighting

The Solo series all in one solar LED street luminaire has a slim and fully integrated design for installation in areas with no electrical infrastructure or requiring an autonomous lighting system. Powered by photovoltaic solar energy, the luminaire has its own power source, charge controller, batteries and LED board, all integrated into a single ultra-thin block that facilitates installation, maintenance and prevents vandalism. Uses high durability compact lithium battery and electrical system developed for better performance and economy.

With intelligent light detection system the luminaire automatically turns on at dusk and goes off at dawn, and is dimmed automatically through the motion sensor to further optimise the product's autonomy and efficiency.

Models



Model: SL701-15W



Model: SL701-20W



Model: SL701-30W



Model: SL701-40W



Advantages & Applications

Three year warranty

Easy installation

Fully integrated solar technology

Top pole and wall option

Light and resistant

Sun-lite solar street lights are extremely efficient with a patented design that only emits 1% light wastage, which means 99% controlled light directed to the ground.

Solo-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

Model No.	SL701-15W	SL701-20W	SL701-30W	SL701-40W	SL701-60W	SL701-80W
System Power	15W	20W	30W	40W	60W	80W
System Voltage	12V constant current					
Automatic Dimming	30 to 50% of total power					
Operating Temperature	-40°C - + 60°C					
Electrical Protection	Short Circuit, Over voltage, Overcurrent, Overheat					
Solar Panel						
System Power	20W	35W	50W	60W	80W	100W
System Voltage	18V	18V	18V	18V	18V	18V
Max Current	1.1A	1.9A	2.8A	3.3A	4.5A	5.6A
General						
Battery Type	12AH 12V	16AH 12V	24AH 12V	32AH 12V	48AH 12Va	64AH 12V
Operating Autonomy	6 hrs power / 16 hrs dimarizado 50% (total load in day of sun)					
Photometric Features						
LED Source Type	30 LEDs	30 LEDs	60 LEDs	56 LEDs	112 LEDs	112 LEDs
Flux (@ T65°C)	>1,800lm	>2,600lm	>4,200lm	>5,200lm	>7,800lm	>9,600lm
CRI	>83	>83	>83	>83	>83	>83
Colour Temperature	2700K-6500K					
Beam Angle	IESNA Type II					
Depreciation Factor	L70 ≥ 50 000h					
Lifetime	Solar Panel: 90% up to 10 years, 80% up to 25 years Battery: 5 years Electrical Circuit: 10 years					
Efficiency (@ T65°C)	130 ± 10lm/w					
Constructive Features						
Body Material	Steel and aluminium sheet					
Lens Material	In PMMA with UV protection					
Installation	Mounting for pole from Ø40mm to Ø75mm / Wall bracket					
N.W Weight	7.8Kg	11.8Kg	13.4Kg	16.5Kg	19.6Kg	22.4Kg
Protection Grade	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Impact Grade	IK08	IK08	IK08	IK08	IK08	IK08