

Solar LED Streetlight Luminaire

Sunshine

Ammini takes advantage of the inherent qualities of LED's for designing its latest range of LED streetlight luminaires for solar application. Sunshine LED solar streetlight luminaires contain high efficiency white LED's. This luminaire is ready to be used with a Solar PV module and battery as a complete Solar LED street lighting system.

Features

- Low Power Consumption
- Extremely long life LEDs (>50,000 hrs)
- Automatic Dusk to dawn operation (DTDC)
- No lamp blackening, No lamp replacement for several years
- Aluminium Die Cast Body

Compliance & certifications

- LM-79 Certified
- IP66 protection
- Manufactured at a ISO 9001:2015 certified facility

Specification

General

Model	Sunshine 8W	Sunshine 12W	Sunshine 14W	Sunshine 18W	Sunshine 24W	Sunshine 30W	Sunshine 36W	Sunshine 48W
Application	Solar street lighting, outdoor use							
Operation	DTDC (12hours)							
Suggested Solar Module wattage	125Wp (Max.)					250Wp (Max.)		
Battery Compatibility	Flooded Lead Acid battery / VRLA							
Construction	Aluminium Die Cast Body, weather, water & insect proof (IP-66 rated)							
Rated Power	8W	12W	14W	18W	24W	30W	36W	48W
Light Output	> 100 Lumens / watt							

Electrical

Rated working voltage	12V DC					24V DC		
Lamp type	High efficiency and long life white LED; Life >50,000 burning hours							
LED Driver	Boost converter, Efficiency > 90%, Frequency 30 Khz							
Solar Charge Controller	Series two step, PWM operation, Efficiency > 95%, Self consumption < 5mA							
Charging current	10A (Max.)							
Display / Indications	Battery Low warning, Battery Low disconnect, Battery charging, Battery Full charge							
Load side protection	No load protection, Short circuit protection, Reverse polarity protection							
Battery side protection	Reverse Polarity, Over charging, Deep discharging, Battery Temperature Compensation							
PV Module side protection	Reverse polarity, Reverse current flow to PV Module during night							

Shipping

Gross Weight & Volume	1.75Kg					2.3Kg		
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Ordering Information

Model	Ordering Code	Description
Sunshine 8W	LSL-0812PA	LED 8W,SCC 12V 10A, PWM Charger,DTDC Operation
Sunshine 12W	LSL-1212PA	LED 8W,SCC 12V 10A, PWM Charger,DTDC Operation
Sunshine 14W	LSL-1412PA	LED 14W,SCC 12V 10A, PWM Charger,DTDC Operation
Sunshine 18W	LSL-1812PA	LED 18W,SCC 12V 10A, PWM Charger,DTDC Operation
Sunshine 24W	LSL-2412PA	LED 24W,SCC 12V 10A, PWM Charger,DTDC Operation
Sunshine 30W	LSL-3012PA	LED 30W,SCC 12V 10A, PWM Charger,DTDC Operation
Sunshine 36W	LSL-3624PA	LED 36W,SCC 24V 10A,PWM Charger,DTDC Operation
Sunshine 48W	LSL-4824PA	LED 48W,SCC 24V 10A,PWM Charger,DTDC Operation

For Information

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For Purchase & Enquiry

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