

12W Solar LED Street light  
Model SSLASOLST12UNI-LI



- Integrated Battery Design
- Highpower & Robust
- Lithium-Ion Technology
- Alu Zinc / Stainless Steel
- Different Colour Options
- Made in South Africa

The Universal Solar street light is a slimline, compact and aesthetically pleasing which incorporates all components together classed as in integrated design.

This model is supplied with a 12w Philips SMD LED street with a lumen output of 150lm/w.

Lighting parameters are based on 13 hours per night for your longest winter night to operate 365 days per year with intelligent Smart 365 Solar controller technology.

Full power with intelligent mode or 5Hrs @ 100% power & 8Hrs @ 70%

Light distribution options are 150 x 80, Type 11 Long

The battery is designed for over 24 hours at full charge with 4 days back up.

Battery requires 4 - 5 hours to replenish.

Each model is supplied with lasercut lettering into the cradle which can be used to highlight, name of place, street / road or place of interest or company name for branding purposes.

Our standard LED brand options are, Philips or Cree SMD LEDs.

Standard warranties on components

LEDS 5 years

Electronics 3 years

Solar panels 25 years

Poles 10 years workmanship

Battery boxes / cradles 3 years

All components have an option to extend its warranties.

Local content 60 - 70%

# SPECIFICATIONS

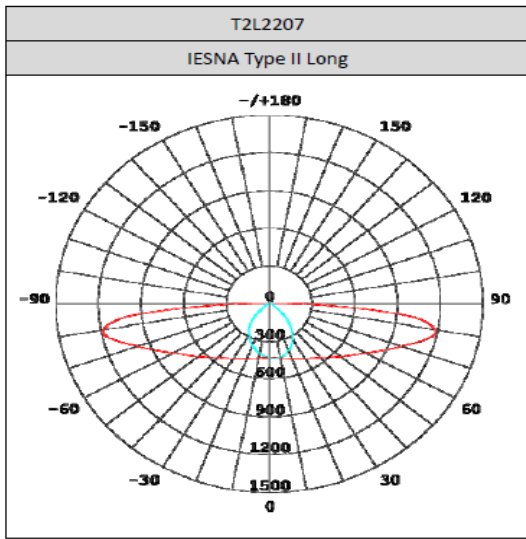
LIGHT	POWER	12W
	LED	Philips Lumileds
	IP RATING	IP67
	FLUX @ CCT 5000k	1800 lumen
	WARRANTY	5 years
	CRI	70 / 80
	OPTICAL CONTROL	PMMA Lenses
	AVERAGE LIFE SPAN	8 years
	OPERATING TEMPERATURE	-30 Deg~ + 45 Deg
	MOUNTING HEIGHT	3 - 4m above ground
	BEAM ANGLE	Type 11 Long
	POLE TO POLE DISTANCE	16 meters
BATTERY	LITHIUM FERRO PHOSPHATE	Sharp / LG
	VOLTAGE	12.8V
	CAPACITY	230.4Wh
	CYCLES	2000 - 4000
SOLAR PANEL	RATED POWER	50w Poly
	VOLTAGE AT MAX POWER	18V
	CURRENT AT MAX POWER	2.78Amp
CONTROLLER	CHARGE TYPE	PWM Smart 365
	DIMMING	Intelligent IC - 100 / 70 / 50 / 30
	DAY NIGHT SENSORS	Integrated into controller
	LIGHTING PARAMETERS	4 stage Programmable
	ELECTRICAL PROTECTION	IP 68, Temperature compensation
		Overheating, overcharging and
Over discharging protections		
BRACKETING AND BATTERY BOXES	Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments	
POLE	Galvanized steel ,3m pole with arm - 76 - 60mm	
Powder Coating	Optional	

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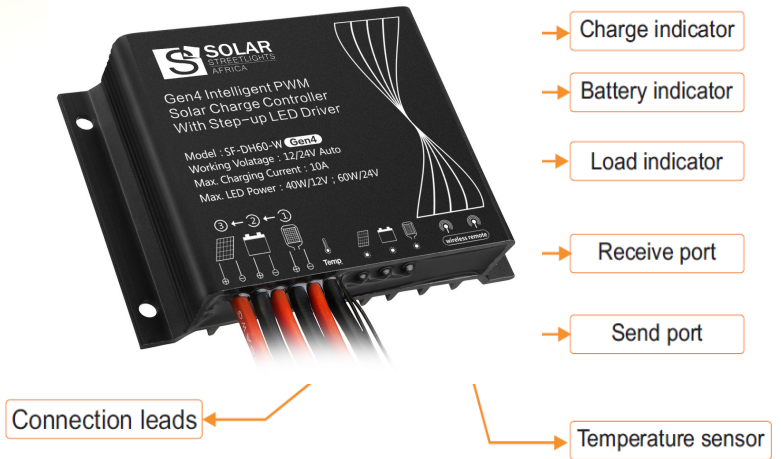
## LED Street



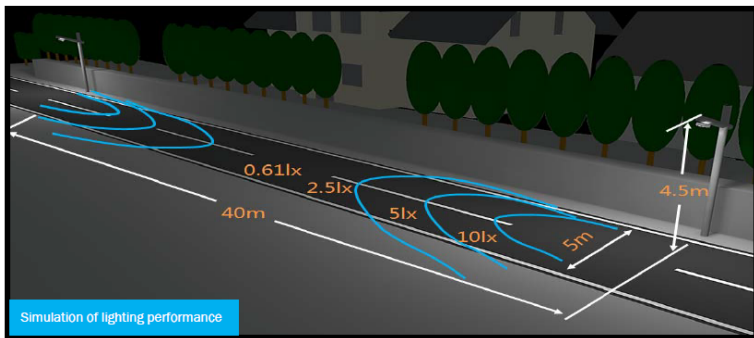
## Battery Technology- 3.2V Lithium Phosphate



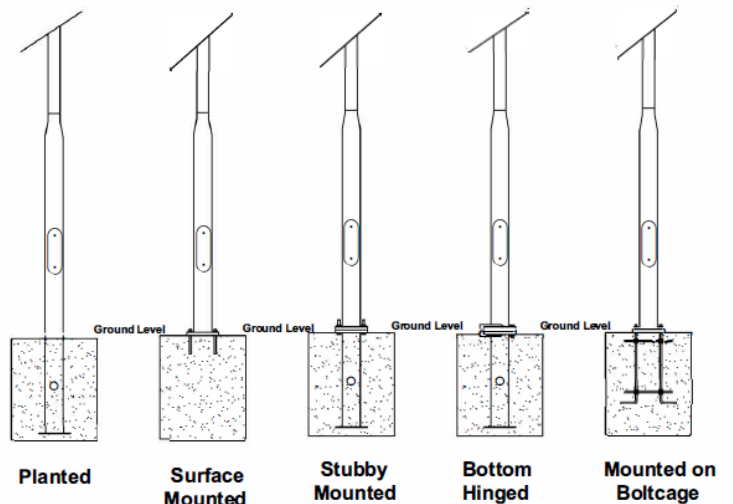
## Solar controller - PWM Intelligent Smart 365



## Simulation running as 16w



## Pole mounting options



## Components certifications

LM-79 LM-80 TM21 **IP66 IP68**  