

20W X 2 Solar LED Flood light  
Model SSLASOLFL20X2UNI-LI



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

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

This model is supplied with a 20W X 2 Philips SMD LED flood 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 30, 45, 60, 90 & 110 degrees.

The battery is designed for 13Hrs with 3 nights of reserve and 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	20W x 2
	LED	Philips Lumileds
	IP RATING	IP66
	FLUX @ CCT 5000k	2600 lumen x 2 - 5400lm
	WARRANTY	5 years
	CRI	70 / 80
	OPTICAL CONTROL	PMMA Lenses & glass
	AVERAGE LIFE SPAN	10 years
	OPERATING TEMPERATURE	-30 Deg~ + 45 Deg
	MOUNTING HEIGHT	5m above ground
	BEAM ANGLE	30 , 60, 90 & 110 degrees
	POLE TO POLE DISTANCE	28 meters
BATTERY	LITHIUM FERRO PHOSPHATE	LIFEPO4
	VOLTAGE	12.8V
	CAPACITY	691Wh
	CYCLES	2000 - 4000
SOLAR PANEL	RATED POWER	160w Poly
	VOLTAGE AT MAX POWER	18V
	CURRENT AT MAX POWER	8.45Amp
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 ,6m pole with flood light collar - 101 - 76mm	
Powder Coating	Optional	

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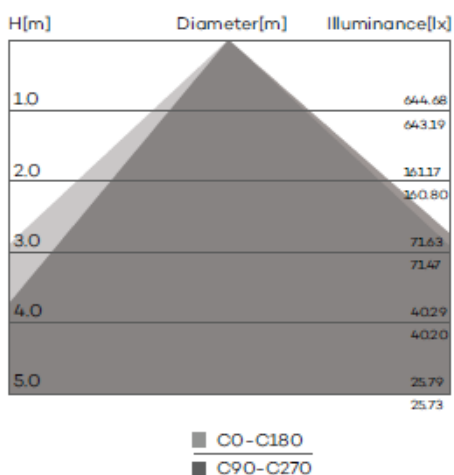
## LED Flood



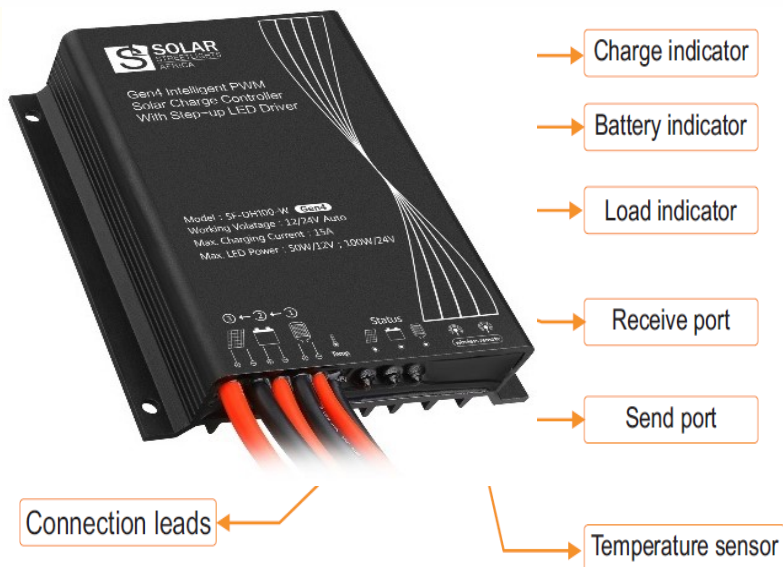
## Battery Technology- 3.2V Lithium LIFEP04 Cells



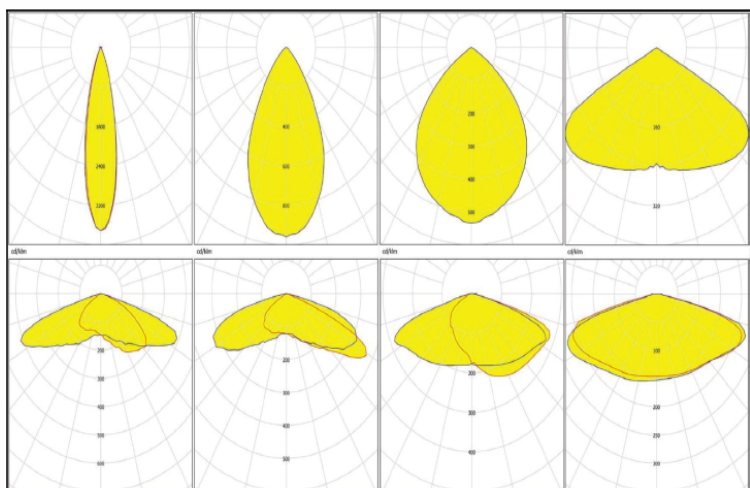
## Illumination Cone Curve



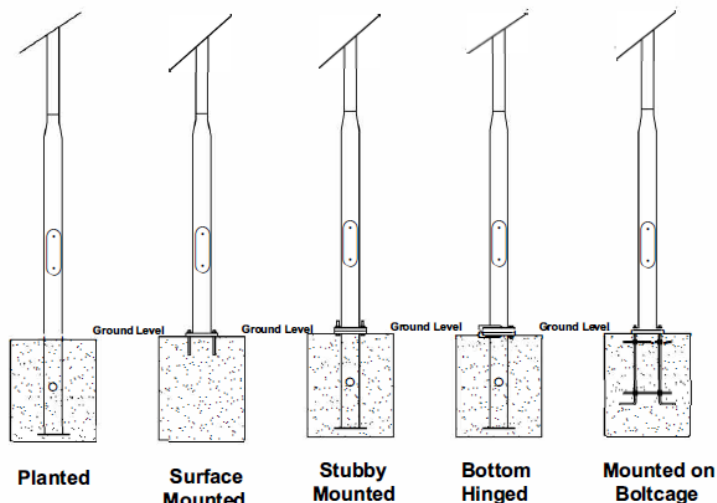
## Solar controller - PWM Intelligent Smart 365



## Distribution Curve Flux



## Pole mounting options



## Component certifications

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