80W X 2 Solar LED Flood light Model SSLASOLFL80X2UNI-LI





- Integrated Battery Design
- Highpower & Robust
- Lithium-lon 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 in integrated design.

This model is supplied with a 80W 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 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

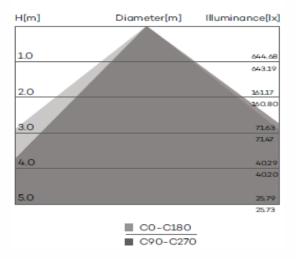
LED Philips Lumileds IP RATING IP 66 FLUX @ CCT 5000k 10400lm x 2 - 2 - 20800 lumen WARRANTY 5 years CRI 70 / 80 OPTICAL CONTROL PMMA Lenses & glass AVERAGE LIFE SPAN 10 years OPERATING TEMPERATURE -30 Deg~ + 45 Deg MOUNTING HEIGHT 8m above ground BEAM ANGLE 30 , 60, 90 & 110 degrees POLE TO POLE DISTANCE 45 meters LITHIUM FERRO PHOSPHATE LIFEPO4 VOLTAGE 25.6V CAPACITY 2764Wh CYCLES 2000 - 4000 RATED POWER 540w Mono VOLTAGE AT MAX POWER 76.16V CURRENT AT MAX POWER 8.58Amp CHARGE TYPE MPPT Smart 365 DIMMING Intelligent IC - 100 / 70 / 50 / 30 DAY NIGHT SENSORS Integrated into controller LIGHTING PARAMETERS 4 stage Programmable IP 68, Temperature compensation Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		POWER	80W X 2
FLUX @ CCT 5000k WARRANTY S years CRI 70 / 80 OPTICAL CONTROL AVERAGE LIFE SPAN OPERATING TEMPERATURE MOUNTING HEIGHT BEAM ANGLE POLE TO POLE DISTANCE LITHIUM FERRO PHOSPHATE LITHIUM FERRO PHOSPHATE LITHIUM FERRO PHOSPHATE VOLTAGE CAPACITY CYCLES SOLAR PANEL SOLAR PANEL CONTROLLER CONTROLLER CARCE TYPE DIMMING DAY NIGHT SENSORS LIGHTING PARAMETERS Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments	LIGHT	LED	Philips Lumileds
WARRANTY 5 years CRI 70 / 80 OPTICAL CONTROL PMMA Lenses & glass AVERAGE LIFE SPAN 10 years OPERATING TEMPERATURE -30 Deg~ + 45 Deg MOUNTING HEIGHT 8m above ground BEAM ANGLE 30 , 60, 90 & 110 degrees POLE TO POLE DISTANCE 45 meters LITHIUM FERRO PHOSPHATE LIFEPO4 VOLTAGE 25.6V CAPACITY 2764Wh CYCLES 2000 - 4000 RATED POWER 540w Mono VOLTAGE AT MAX POWER 76.16V CURRENT AT MAX POWER 8.58Amp CHARGE TYPE MPPT Smart 365 DIMMING Intelligent IC - 100 / 70 / 50 / 30 DAY NIGHT SENSORS Integrated into controller LIGHTING PARAMETERS 4 stage Programmable IP 68, Temperature compensation Overheating, overcharging and Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		IP RATING	IP66
CRI OPTICAL CONTROL AVERAGE LIFE SPAN OPERATING TEMPERATURE MOUNTING HEIGHT BEAM ANGLE POLE TO POLE DISTANCE LITHIUM FERRO PHOSPHATE LITHIUM FERRO PHOSPHATE VOLTAGE CAPACITY CYCLES SOLAR PANEL CONTROLLER CONTROLLER CONTROLLER LIGHTING PARAMETERS Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		FLUX @ CCT 5000k	10400lm x 2 - 2- 20800 lumen
OPTICAL CONTROL AVERAGE LIFE SPAN OPERATING TEMPERATURE MOUNTING HEIGHT BEAM ANGLE POLE TO POLE DISTANCE LITHIUM FERRO PHOSPHATE UTITION CAPACITY CYCLES SOLAR PANEL CONTROLLER CONTROLLER CONTROLLER BRACKETING AND BATTERY OPTICAL CONTROL AVERAGE LIFE SPAN OPERATING TEMPERATURE AVERAGE JO 10 years JO y		WARRANTY	5 years
OPTICAL CONTROL AVERAGE LIFE SPAN OPERATING TEMPERATURE BATTERY BATTERY BATTERY BATTERY OPERATING TEMPERATURE BATTERY BATTERY BATTERY BATTERY BATTERY BATTERY BATTERY BATTERY DIMING CAPACITY CYCLES CAPACITY CYCLES CAPACITY CYCLES CAPACITY CYCLES CAPACITY CYCLES CAPACITY CYCLES CAPACITY CYCLES CAPACITY CYCLES CAPACITY CYCLES CAPACITY CYCLES CAPACITY CYCLES CAPACITY CYCLES CAPACITY CAPACITY CYCLES CAPACITY CA		CRI	70 / 80
OPERATING TEMPERATURE MOUNTING HEIGHT BEAM ANGLE POLE TO POLE DISTANCE LITHIUM FERRO PHOSPHATE VOLTAGE CAPACITY CYCLES SOLAR PANEL CONTROLLER CONTROLLER BRACKETING AND BATTERY OPERATING TEMPERATURE MOUNTING HEIGHT 8m above ground 9m above ground 8m above ground 8m above ground 8m above ground 9m above ground 8m above ground 9m above ground		OPTICAL CONTROL	PMMA Lenses & glass
MOUNTING HEIGHT BEAM ANGLE POLE TO POLE DISTANCE BATTERY BEAM ANGLE POLE TO POLE DISTANCE 45 meters LIFEPO4 VOLTAGE 25.6V CAPACITY 2764Wh CYCLES 2000 - 4000 RATED POWER S40w Mono VOLTAGE AT MAX POWER 76.16V CURRENT AT MAX POWER B.58Amp CHARGE TYPE MPPT Smart 365 DIMMING DAY NIGHT SENSORS Integrated into controller LIGHTING PARAMETERS 4 stage Programmable IP 68, Temperature compensation Over heating, overcharging and Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		AVERAGE LIFE SPAN	10 years
BEAM ANGLE POLE TO POLE DISTANCE LITHIUM FERRO PHOSPHATE VOLTAGE CAPACITY CYCLES RATED POWER VOLTAGE TYPE DIMMING DAY NIGHT SENSORS LIGHTING PARAMETERS BRACKETING AND BATTERY BOXES BEAM ANGLE 30, 60, 90 & 110 degrees 45 meters LIFEPO4 VOLTAGE 25.6V 2764Wh 2764Wh 2764Wh 2764Wh 2764Wh 2764Wh 2000 - 4000 8.580W Mono VOLTAGE AT MAX POWER 76.16V CURRENT AT MAX POWER 8.58Amp CHARGE TYPE MPPT Smart 365 DIMMING DAY NIGHT SENSORS Integrated into controller IP 68, Temperature compensation Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		OPERATING TEMPERATURE	-30 Deg~ + 45 Deg
POLE TO POLE DISTANCE LITHIUM FERRO PHOSPHATE LITHIUM FERRO PHOSPHATE VOLTAGE CAPACITY CYCLES RATED POWER RATED POWER VOLTAGE AT MAX POWER CURRENT AT MAX POWER CURRENT AT MAX POWER CHARGE TYPE DIMMING DAY NIGHT SENSORS Integrated into controller LIGHTING PARAMETERS A stage Programmable IP 68, Temperature compensation Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		MOUNTING HEIGHT	8m above ground
LITHIUM FERRO PHOSPHATE VOLTAGE CAPACITY CYCLES 2000 - 4000 RATED POWER VOLTAGE AT MAX POWER CURRENT AT MAX POWER CHARGE TYPE DIMMING DAY NIGHT SENSORS LIGHTING PARAMETERS BRACKETING AND BATTERY BOXES LITHIUM FERRO PHOSPHATE LIFEPO4 25.6V 2764Wh 2764W		BEAM ANGLE	30 , 60, 90 & 110 degrees
BATTERY VOLTAGE CAPACITY CYCLES 2000 - 4000 RATED POWER SOLAR PANEL VOLTAGE AT MAX POWER CURRENT AT MAX POWER CHARGE TYPE DIMMING DAY NIGHT SENSORS LIGHTING PARAMETERS BRACKETING AND BATTERY BOXES VOLTAGE AT MAX POWER T6.16V CURRENT AT MAX POWER R.584mp CHARGE TYPE MPPT Smart 365 Intelligent IC - 100 / 70 / 50 / 30 DAY NIGHT SENSORS Integrated into controller IP 68, Temperature compensation Overheating, overcharging and Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		POLE TO POLE DISTANCE	45 meters
CAPACITY CYCLES 2000 - 4000 RATED POWER 540w Mono VOLTAGE AT MAX POWER CURRENT AT MAX POWER CHARGE TYPE DIMMING DAY NIGHT SENSORS LIGHTING PARAMETERS LIGHTING PARAMETERS BRACKETING AND BATTERY BOXES CAPACITY 2764Wh 2000 - 4000 S40w Mono 540w Mono 76.16V 68.58Amp 68.58Amp 69.76.16V	BATTERY	LITHIUM FERRO PHOSPHATE	LIFEPO4
CYCLES RATED POWER SOLAR PANEL RATED POWER VOLTAGE AT MAX POWER CURRENT AT MAX POWER CHARGE TYPE DIMMING DAY NIGHT SENSORS LIGHTING PARAMETERS LIGHTING PARAMETERS BRACKETING AND BATTERY BOXES RATED POWER 540w Mono 540w Mono 540w Mono 161.6V RATED POWER 76.16V RATED POWER 76.16V RATED POWER 76.16V Substance RATED POWER FOR INTERVENTION AND SATERY BOXES ALIZING and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		VOLTAGE	25.6V
RATED POWER SOLAR PANEL RATED POWER VOLTAGE AT MAX POWER CURRENT AT MAX POWER CHARGE TYPE MPPT Smart 365 DIMMING DAY NIGHT SENSORS LIGHTING PARAMETERS A stage Programmable IP 68, Temperature compensation Over heating, overcharging and Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		CAPACITY	2764Wh
SOLAR PANEL VOLTAGE AT MAX POWER CURRENT AT MAX POWER CHARGE TYPE DIMMING DAY NIGHT SENSORS LIGHTING PARAMETERS LIGHTING PARAMETERS BRACKETING AND BATTERY BOXES VOLTAGE AT MAX POWER 76.16V R.584mp MPPT Smart 365 Intelligent IC - 100 / 70 / 50 / 30 Integrated into controller 4 stage Programmable IP 68, Temperature compensation Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		CYCLES	2000 - 4000
CURRENT AT MAX POWER CHARGE TYPE DIMMING DAY NIGHT SENSORS LIGHTING PARAMETERS LIGHTING PARAMETERS BRACKETING AND BATTERY BOXES CURRENT AT MAX POWER 8.58Amp MPPT Smart 365 Intelligent IC - 100 / 70 / 50 / 30 Integrated into controller 4 stage Programmable IP 68, Temperature compensation Over discharging and Over discharging protections	SOLAR PANEL	RATED POWER	540w Mono
CHARGE TYPE DIMMING DAY NIGHT SENSORS LIGHTING PARAMETERS LIGHTING PARAMETERS BRACKETING AND BATTERY BOXES CONTROLLER CHARGE TYPE DIMMING DAY NIGHT SENSORS Integrated into controller A stage Programmable IP 68, Temperature compensation Overheating, overcharging and Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		VOLTAGE AT MAX POWER	76.16V
CONTROLLER DIMMING DAY NIGHT SENSORS LIGHTING PARAMETERS 4 stage Programmable IP 68, Temperature compensation Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		CURRENT AT MAX POWER	8.58Amp
CONTROLLER DAY NIGHT SENSORS LIGHTING PARAMETERS 4 stage Programmable IP 68, Temperature compensation Over heating, overcharging and Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments	CONTROLLER	CHARGE TYPE	MPPT Smart 365
CONTROLLER LIGHTING PARAMETERS 4 stage Programmable IP 68, Temperature compensation Overheating, overcharging and Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		DIMMING	Intelligent IC - 100 / 70 / 50 / 30
BRACKETING AND BATTERY BOXES BOXES IP 68, Temperature compensation Overheating, overcharging and Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		DAY NIGHT SENSORS	Integrated into controller
BRACKETING AND BATTERY BOXES BLECTRICAL PROTECTION Overheating, overcharging and Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		LIGHTING PARAMETERS	4 stage Programmable
Over discharging protections Alu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments			IP 68, Temperature compensation
Alu Zinc and powder coated, AND BATTERY BOXES AND SARS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		ELECTRICAL PROTECTION	Overheating, overcharging and
Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments			Over discharging protections
Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environments		Alu 7inc and powder coated	
BOXES 3CR12 Stainless steel optional for coastal environments		Manufactured in an SABS approved facility with ISO 9001	
POLE Galvanized steel ,9.2m pole with flood light collar - 127 - 101mm			
Galvanized steel ,9.2m pole with flood light collar - 127 - 101mm			
	POLE	Galvanized steel ,9.2m pole with flood light collar - 127 - 101mm	
Powder Coating Optional	Powder Coating	Optional	

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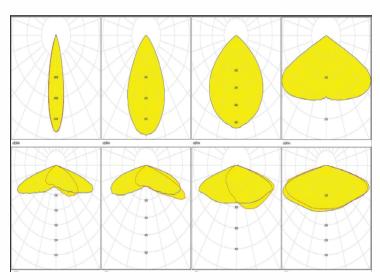
LED Flood



Illumination Cone Curve



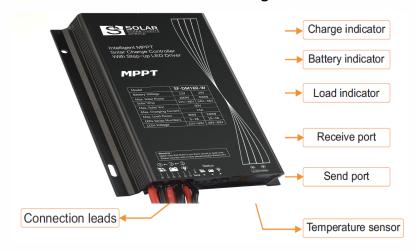
Distribution Curve Flux



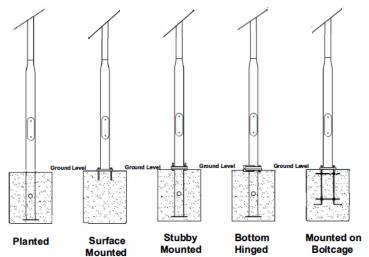
Battery Technology- 3.2V Lithium LIFEPO4 Cells



Solar controller - MPPT Intelligent Smart 365



Pole mounting options



Components certifications

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



