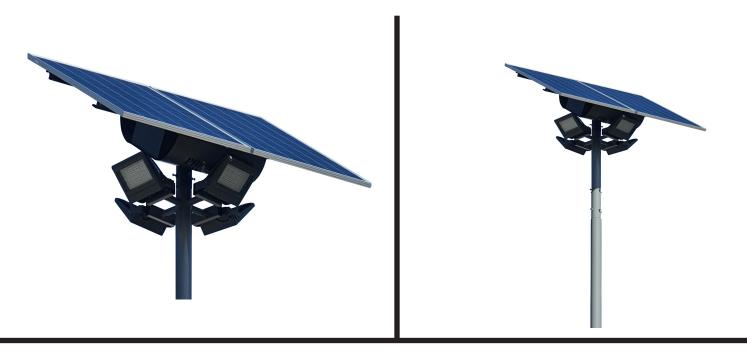
# 200W Solar LED Flood light - MINI mast Model SFSOLMM4X50UNI-LI



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 in integrated design. This model is supplied with a 200w Philips SMD LED flood with a lumen output of 130 - 150lm/w. Lighting parameters are based on 13,5 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 3 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 IP66 FLUX @ CCT 5000k 28800 lumen WARRANTY 5 years CR 70 / 80 OPTICAL CONTROL PMMA Lenses & glass AVERAGE LIFE SPAN 8 - 10 years OPERATING TEMPERATURE -30 Deg~ + 45 Deg MOUNTING HEIGHT 8-12M above ground BEAM ANGLE 30 , 60, 90 & 110 degrees POLE TO POLE DISTANCE 75 meters LITHIUM FERRO PHOSPHATE Sharp / LG VOLTAGE 25.6V CAPACITY 4300,8Wh CYCLES 2000 - 4000 SOLAR PANEL RATED POWER 62.4V CURRENT AT MAX POWER 4 stage Programable LIGHTING PARAMETERS 4 stage Programable IF 68, Temperature compensation Over discharging protections BRACKETING AND BATTERY BOXES POLE Galvanized steel ,8m pole with flood light collar - 127 - 114mm		POWER	200W - 4 X 50W
IP RATINGIP66FLUX @ CCT 5000k28800 lumenWARRANTYS yearsCRI70 / 80OPTICAL CONTROLPMMA Lenses & glassAVERAGE LIFE SPAN8 - 10 yearsOPERATING TEMPERATURE-30 Deg~ + 45 DegMOUNTING HEIGHT8-12M above groundBEAM ANGLE30 , 60, 90 & 110 degreesPOLE TO POLE DISTANCE75 metersLITHIUM FERRO PHOSPHATESharp / LGVOLTAGE25.6VCAPACITY4300,8WhCYCLES2000 - 4000SOLAR PANELRATED POWERSOLAR PANELS40w MonoVOLTAGE AT MAX POWER62.4VCURRENT AT MAX POWER62.4VCONTROLLERDIMMINGIntelligent IC - 100 / 70 / 50 / 30DAY NIGHT SENSORSIntegrated into controllerLIGHTING PARAMETERS4 stage ProgrammableELECTRICAL PROTECTIONOverheating, overcharging and Over discharging protectionsBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		LED	Philips Lumileds
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MOUNTING HEIGHT8-12M above groundBATTERYPOLE TO POLE DISTANCE30, 60, 90 & 110 degreesPOLE TO POLE DISTANCE75 metersLITHIUM FERRO PHOSPHATESharp / LGVOLTAGE25.6VCAPACITY4300,8WhCYCLES2000 - 4000SOLAR PANELRATED POWERSOLAR PANELS40w MonoVOLTAGE AT MAX POWER62.4VCURRENT AT MAX POWER8.58AmpCHARGE TYPEMPPT Smart 365DIMMINGIntelligent IC - 100 / 70 / 50 / 30CONTROLLERDAY NIGHT SENSORSBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		AVERAGE LIFE SPAN	8 - 10 years
MOUNTING HEIGHT8-12M above groundBEAM ANGLE30,60,90 & 110 degreesPOLE TO POLE DISTANCE75 metersLITHIUM FERRO PHOSPHATESharp / LGVOLTAGE25.6VCAPACITY4300,8WhCYCLES2000 - 4000SOLAR PANELRATED POWERSOLAR PANELRATED POWERCONTROLLEROUTAGE AT MAX POWERCONTROLLERDIMMINGBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		OPERATING TEMPERATURE	-30 Deg~ + 45 Deg
BATTERYPOLE TO POLE DISTANCE75 metersLITHIUM FERRO PHOSPHATESharp / LGVOLTAGE25.6VCAPACITY4300,8WhCYCLES2000 - 4000SOLAR PANELRATED POWERSOLAR PANELRATED POWERCONTROLLERCURRENT AT MAX POWERCONTROLLERDIMMINGLIGHTING PARAMETERSA stage ProgrammableLIGHTING PARAMETERS4 stage ProgrammableLIGHTING PARAMETERS4 stage ProgrammableBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		MOUNTING HEIGHT	
DATTENTLITHIUM FERRO PHOSPHATESharp / LGVOLTAGE25.6VCAPACITY4300,8WhCYCLES2000 - 4000SOLAR PANELRATED POWERRATED POWER540w MonoVOLTAGE AT MAX POWER62.4VCURRENT AT MAX POWER62.4VCURRENT AT MAX POWER8.58AmpCHARGE TYPEMPPT Smart 365DIMMINGIntelligent IC - 100 / 70 / 50 / 30DAY NIGHT SENSORSIntegrated into controllerLIGHTING PARAMETERS4 stage ProgrammableELECTRICAL PROTECTIONOver discharging protectionsBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		BEAM ANGLE	30 , 60, 90 & 110 degrees
LITHIUM FERRO PHOSPHATESharp / LGVOLTAGE25.6VCAPACITY4300,8WhCYCLES2000 - 4000RATED POWER540w MonoVOLTAGE AT MAX POWER62.4VCURRENT AT MAX POWER8.58AmpCHARGE TYPEMPPT Smart 365DIMMINGIntelligent IC - 100 / 70 / 50 / 30CONTROLLERDAY NIGHT SENSORSELECTRICAL PROTECTIONOver discharging protectionsBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		POLE TO POLE DISTANCE	75 meters
SOLAR PANELCAPACITY4300,8Wh CYCLESSOLAR PANELRATED POWER2000 - 4000RATED POWER540w MonoVOLTAGE AT MAX POWER62.4VCURRENT AT MAX POWER8.58AmpCHARGE TYPEMPPT Smart 365DIMMINGIntelligent IC - 100 / 70 / 50 / 30CONTROLLERDAY NIGHT SENSORSLIGHTING PARAMETERS4 stage ProgrammableLIGHTING PARAMETERS4 stage ProgrammableELECTRICAL PROTECTIONOver heating, overcharging and Over discharging protectionsBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		LITHIUM FERRO PHOSPHATE	Sharp / LG
SOLAR PANELCYCLES2000 - 4000RATED POWER540w MonoVOLTAGE AT MAX POWER62.4VCURRENT AT MAX POWER8.58AmpCHARGE TYPEMPPT Smart 365DIMMINGIntelligent IC - 100 / 70 / 50 / 30DAY NIGHT SENSORSIntegrated into controllerLIGHTING PARAMETERS4 stage ProgrammableELECTRICAL PROTECTIONOver heating, overcharging and Over discharging protectionsBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		VOLTAGE	25.6V
SOLAR PANELRATED POWER540w MonoRATED POWER62.4VVOLTAGE AT MAX POWER62.4VCURRENT AT MAX POWER8.58AmpCHARGE TYPEMPPT Smart 365DIMMINGIntelligent IC - 100 / 70 / 50 / 30DAY NIGHT SENSORSIntegrated into controllerLIGHTING PARAMETERS4 stage ProgrammableELECTRICAL PROTECTIONOverheating, overcharging and Over discharging protectionsBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		CAPACITY	4300,8Wh
RATED POWER340W MonoVOLTAGE AT MAX POWER62.4VCURRENT AT MAX POWER8.58AmpCHARGE TYPEMPPT Smart 365DIMMINGIntelligent IC - 100 / 70 / 50 / 30DAY NIGHT SENSORSIntegrated into controllerLIGHTING PARAMETERS4 stage ProgrammableELECTRICAL PROTECTIONOver heating, overcharging and Over discharging protectionsBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		CYCLES	2000 - 4000
CONTROLLERCURRENT AT MAX POWER8.58AmpCHARGE TYPEMPPT Smart 365DIMMINGIntelligent IC - 100 / 70 / 50 / 30DAY NIGHT SENSORSIntegrated into controllerLIGHTING PARAMETERS4 stage ProgrammableELECTRICAL PROTECTIONOverheating, overcharging and Over discharging protectionsBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		RATED POWER	540w Mono
CONTROLLERCHARGE TYPEMPPT Smart 365DIMMINGIntelligent IC - 100 / 70 / 50 / 30DAY NIGHT SENSORSIntegrated into controllerLIGHTING PARAMETERS4 stage ProgrammableIP 68, Temperature compensationELECTRICAL PROTECTIONOver heating, overcharging and Over discharging protectionsBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		VOLTAGE AT MAX POWER	62.4V
CONTROLLERDIMMINGIntelligent IC - 100 / 70 / 50 / 30DAY NIGHT SENSORSIntegrated into controllerLIGHTING PARAMETERS4 stage ProgrammableIP 68, Temperature compensationELECTRICAL PROTECTIONOverheating, overcharging and Over discharging protectionsBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		CURRENT AT MAX POWER	8.58Amp
CONTROLLERDAY NIGHT SENSORSIntegrated into controllerLIGHTING PARAMETERS4 stage ProgrammableLIGHTING PARAMETERS4 stage ProgrammableIP 68, Temperature compensationELECTRICAL PROTECTIONOverheating, overcharging and Over discharging protectionsBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		CHARGE TYPE	MPPT Smart 365
BRACKETING Alu Zinc and powder coated,   AND BATTERY Manufactured in an SABS approved facility with ISO 9001   BOXES Galvanized steel ,8m pole with flood light collar - 127 - 114mm		DIMMING	Intelligent IC - 100 / 70 / 50 / 30
BRACKETING IP 68, Temperature compensation   Over discharging protections Over discharging protections   BRACKETING Alu Zinc and powder coated,   AND BATTERY Manufactured in an SABS approved facility with ISO 9001   BOXES 3CR12 Stainless steel optional for coastal environments   POLE Galvanized steel ,8m pole with flood light collar - 127 - 114mm		DAY NIGHT SENSORS	Integrated into controller
BRACKETING AND BATTERY BOXESELECTRICAL PROTECTIONOverheating, overcharging and Over discharging protectionsBRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm		LIGHTING PARAMETERS	4 stage Programmable
BRACKETING Alu Zinc and powder coated,   AND BATTERY Manufactured in an SABS approved facility with ISO 9001   BOXES 3CR12 Stainless steel optional for coastal environments   POLE Galvanized steel ,8m pole with flood light collar - 127 - 114mm		ELECTRICAL PROTECTION	IP 68, Temperature compensation
BRACKETING AND BATTERY BOXESAlu Zinc and powder coated, Manufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm			Overheating, overcharging and
AND BATTERY BOXESManufactured in an SABS approved facility with ISO 9001 3CR12 Stainless steel optional for coastal environmentsPOLEGalvanized steel ,8m pole with flood light collar - 127 - 114mm			Over discharging protections
	AND BATTERY	Manufactured in an SABS approved facility with ISO 9001	
Powder Costing Ontional	POLE	Galvanized steel ,8m pole with flood light collar - 127 - 114mm	
	Powder Coating	Optional	

# 200W Solar LED Flood light - MINI mast Model SFSOLMM4X50UNI-LI

# Battery Technology- 3.2V Lithium Phosphate



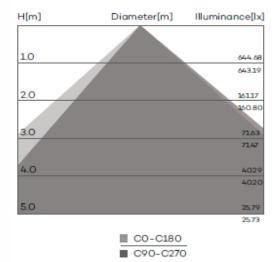
## Solar controller - MPPT Intelligent Smart 365



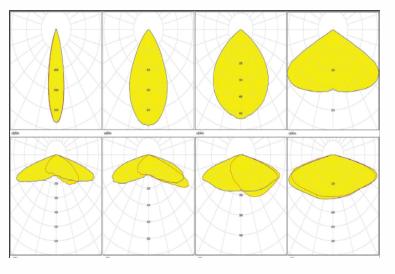


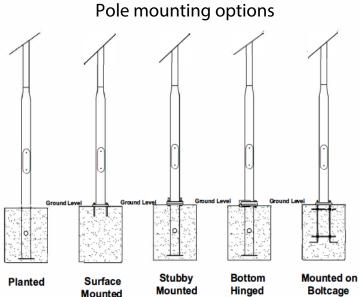
LED Flood

#### Illumination Cone Curve



### **Distribution Curve Flux**





**Components certifications** 

