

80W X 2 Solar LED Flood light  
Model SSLASOLFL80X2UNI-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 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

|                              |   |                                     |
|------------------------------|---|-------------------------------------|
| LIGHT                        | POWER   | 80W X 2                             |
|                              | LED   | Philips Lumileds                    |
|                              | IP RATING   | IP66                                |
|                              | 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                           |
| BATTERY                      | LITHIUM FERRO PHOSPHATE   | LIFEPO4                             |
|                              | VOLTAGE   | 25.6V                               |
|                              | CAPACITY  | 2764Wh                              |
|                              | CYCLES  | 2000 - 4000                         |
| SOLAR PANEL                  | RATED POWER   | 540w Mono                           |
|                              | VOLTAGE AT MAX POWER  | 76.16V                              |
|                              | CURRENT AT MAX POWER  | 8.58Amp                             |
| CONTROLLER                   | CHARGE TYPE   | MPPT 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,<br>Manufactured in an SABS approved facility with ISO 9001<br>3CR12 Stainless steel optional for coastal environments |                                     |
| POLE                         | Galvanized steel ,9.2m pole with flood light collar - 127 - 101mm   |                                     |
| Powder Coating               | Optional  |                                     |

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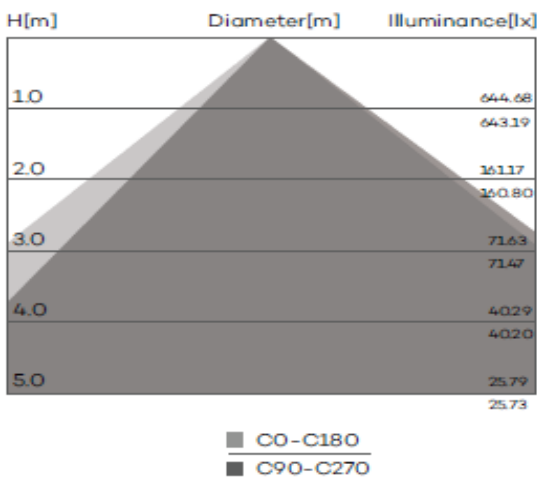
## LED Flood



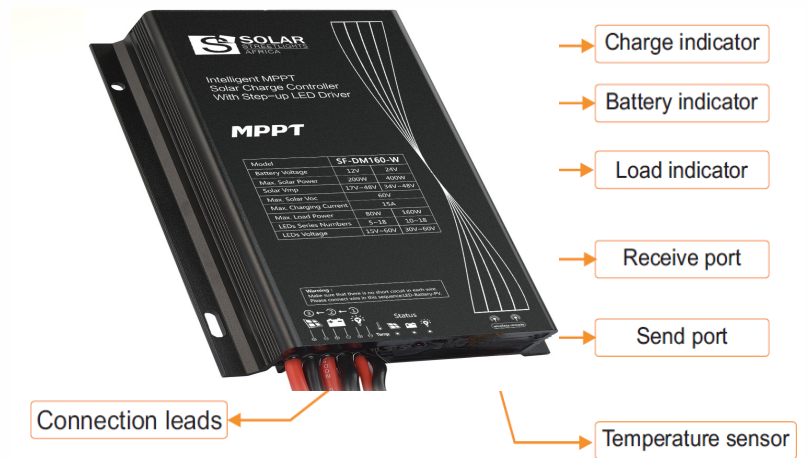
## Battery Technology- 3.2V Lithium LIFEP04 Cells



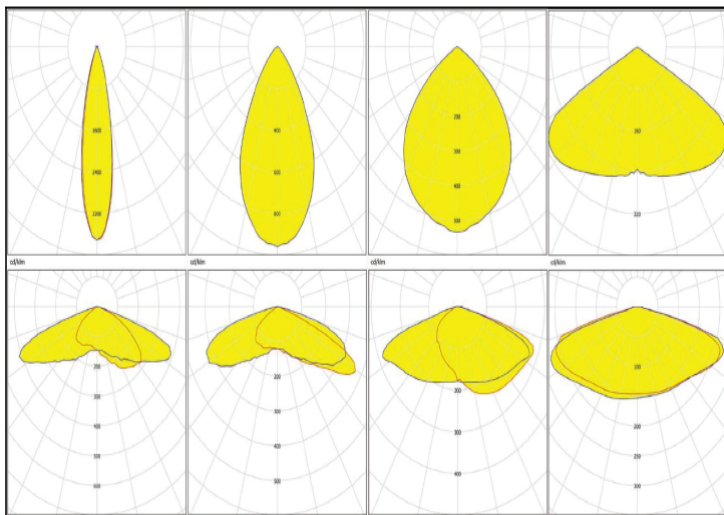
## Illumination Cone Curve



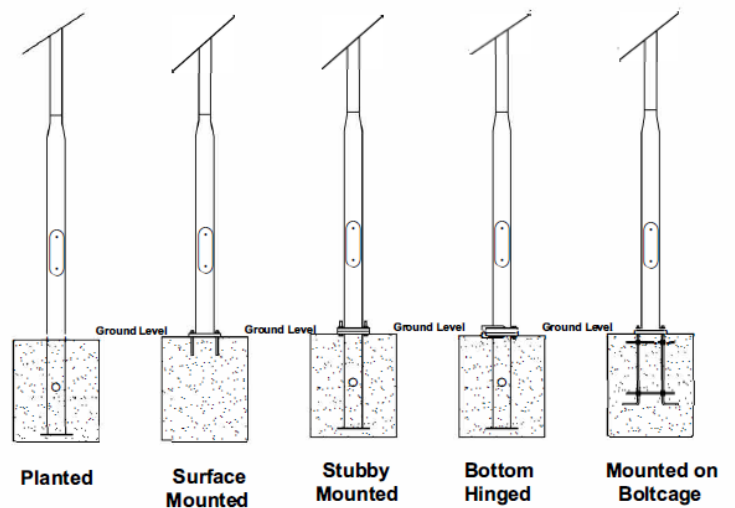
## Solar controller - MPPT Intelligent Smart 365



## Distribution Curve Flux



## Pole mounting options



## Components certifications

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