

80w Solar LED Street lighting solution

Designed and manufactured locally



Model: SFSOLST80LM

LED Luminaire: 120w Bridgelux or Litup LED Streetlight – Locally assembled

Lumen: 11440

Voltage: 24 / 15 - 60v with integrated LED driver

Solar Panel: 2 x 150w

Voltage: 36v

Controller: MPPT15A, IP 68 / built in day night sensing on voltage, over charging, overheating protection / 4 Stages dimming with SMART power protect

Battery: VRLA /AGM 150amp X 2

Wiring kits: Pre made up using Military grade Solar DC Helukabel for PV Panel, battery and controller wiring.

Battery box: local design – laser cut, Anti rust with powder coat – Multiple options and colours available with Vents or sealed

Safety Features (OPT): Torx Anti theft PV panel and battery box bolts

Pole: Galvanized 9.2 meter 139 / 127 – buried design

Luminaire Technical specifications

Housing material: Aluminum die cast

Voltage: 24v - 15-60v with integrated LED driver

Effective light Angel: Asymmetric (bat wing)

Life of LEDs: 60 000hrs

LED brand: Litup

Working Temp: -30deg – 55 deg

Colour Temp: 2700k – 6000k

LED Efficacy: 143lm/w

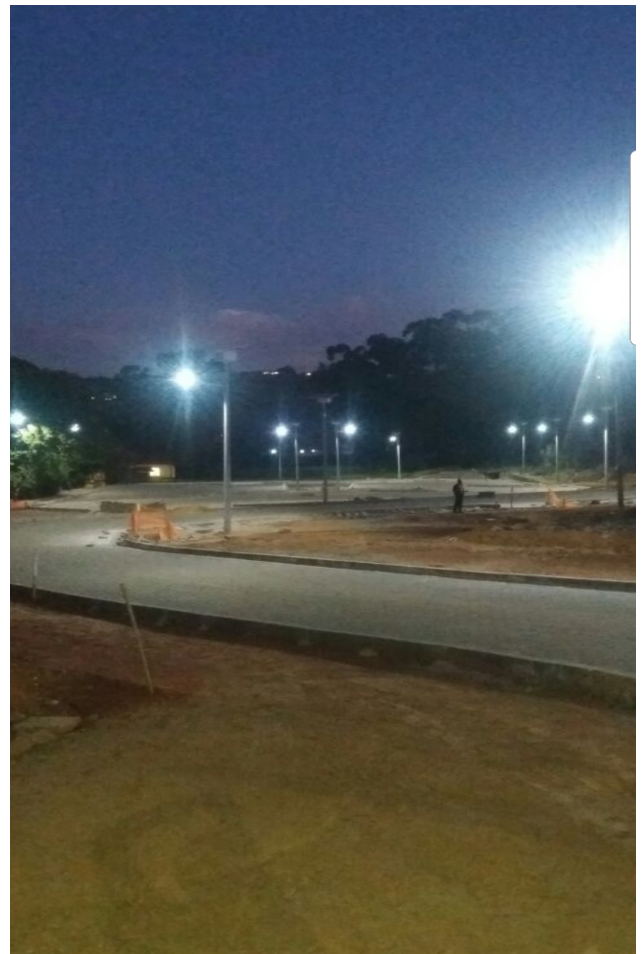
Protection rating: IP65

Colour rendering Index: > 80

Dimensions: 720 x 290 x 90

Spigot diameter: 60 mm Net

weight: 5.5 kgs per unit



Above model is a 60w on an 8 meter surface Concrete pole

We will customize your lighting solution according to your requests and location to size and spec the correct PV design and we can spec the system according to your budget or the day's autonomy you require

Basic models account for 1 days autonomy

All components (wiring) are precut and prepared and wiring kits assembled to allow ease of installation on site and only military grade quality Solar Helukabel is used



Solar regulator wiring kits

Solar battery to controller wiring kits



Battery box design

Adjustable side arms from 15 to 45 degree tilt

Mounting linear brackets to fastens panels to arms of battery box





Warranty on components

LED Chip 5 years, Controller 3 years, wiring kit 3 years, Pole 10 years' workmanship
Solar panel 10-year product / 25 year performance warranty

Batteries

VRLA 12 months
AGM tubular 12 months
Lead Crystal 36 months

Led luminaire – IEC certified
Solar controller – IEC certified
Solar cable – IEC certified
Solar panels – IEC certified
Battery box – manufactured in ISO 9001 factory

Optional extended warranties on LED luminaire to 8 years, solar controller to 6 years