

# Falcon

street light 102



**ZERO** *Fuel*  
*Noise*  
*Emissions*  
*Maintenance*



## Enhanced Design Features

### Power

The Falcon Street Light 102 harnesses the sun's power through an extendable high grade solar panel that ensures maximum lighting performance and brightness.

### Security

The Falcon Street lighting tower comes complete with a manual winch mast operation allowing easy & efficient setup.

### Design Quality

The Falcon Street Light 102 has been manufactured with high grade steel and is powder coat painted to the highest standards and c/w certified high quality electrical components.

### Easy Set Up

The Falcon Street lighting tower comes complete with automatic telescopic mast operated by a push button device conveniently located on the unit.

## Our Mission

**We design products that harvest clean energy, minimising the impact on the environment.**

In line with the UK & European government commitments of realizing zero net carbon by 2050, we are focused on reducing carbon emissions throughout our business and supply chains by bringing the most innovative and advanced products to market in line with progress to a circular economy.



**Harvesting Clean Energy / Protecting Our Environment**

## Features

The Falcon Street Light 102 is a compact and powerful portable solar lighting tower. The FSL-102 features 1 LED lamps which provides a brighter and more environmentally-friendly lighting system.

The innovative Falcon Street Light design comes complete with an integrated forklift base frame design.



## Superior Features



Manually extendable & adjustable Solar PV panel designed to maximise the sun's rays during daylight hours.



The FSL-102 can come equipped with a site security camera option.



A Battery Box enclosure provides better battery backup in cloudy or rainy conditions.

## SECTORS



CONSTRUCTION



SPECIAL EVENTS



OIL, GAS &  
MINING



HARD TO REACH  
AREAS



EQUIPMENT  
RENTALS

# Falcon

street light 102



Model - FSL-102

## Specification

Name	Falcon Street Light
Model	FSL-102
Material	Steel Q235
Powder	Outdoor Type
Dimension: 1 unit sample shipping (LxWxH)	1100 x 1100 x 2300 (mm)
Dimension: Transport (LxWxH)	1050 x 1050 x 2800 (mm), 3.4 x 3.4 x 9.2(ft)
Dimension: Operate (LxWxH)	2000 x 1050 x 5170 (mm), 6.6 x 3.4 x 16.96(ft)
Weight	350kg / 770lb
System Voltage	DC12V
Work Temperature	0°C ~ 45°C / 32°F ~ 113°F
Base	Durable Galvanized
Fixed Ring	4
Forklift Hole	4
Warranty	3 years (Refer to operations & Warranty Manual)



## Light System

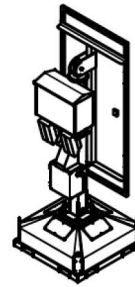
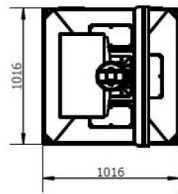
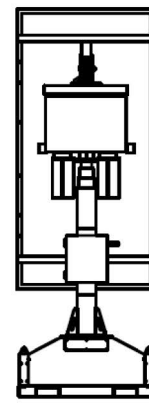
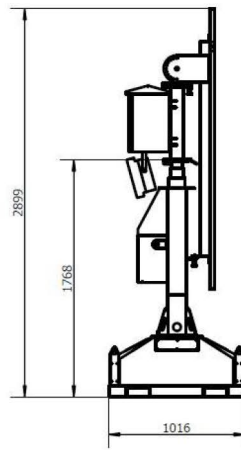
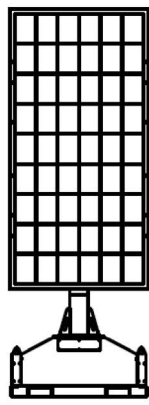
LED Light	2 x 50W/2 x 100W
Device	15000Lm/30000Lm
Protection Class	IP65
Efficiency	150Lm/W
Running Time	23 hours/11.5 hours

## Mast System

Body	Steel Q235 Galvanized
Fastener	Stainless steel 304
Wire Rope	Stainless steel 316 4mm
Type	Square Telescopic
Height	4m/13.1ft
Section	4
Spring Cable	Power Supply
Lifting Method	Manual Winch
Recommended Loading	5kg ~ 50kg / 11lb ~ 110lb
Windproof	117kph

## Battery System

Lithium-ion battery (LFP)	1 x 200Ah BMS
Voltage	DC12.8V
Power Capacity	2560W.h



### Dimension: 1 unit sample shipping

Length (L) (mm)	1100	Weight (Kg)	350kg
Width (W) (mm)	1100	Loading capacity in 40 HQ (units)	20
Height (H) (mm)	2300		



**2400 SQM**



**0% EMISSIONS**



**0% NOISE**



**0% FUEL**



**RUN TIME  
365 NIGHTS**



**20 PER TRUCK**

**Harvesting Clean Energy / Protecting Our Environment**

## Control System

Solar Controller

MPPT 40A

Efficiency

95%+

Detection & Protection

Short-Circuit, Overload, High Voltage, High Temperature

Timer

Manual

Whole Machine

Battery Isolator, Light on-off

## Solar System

Solar Panel

1 x 435W Monocrystalline Silicon 108pcs

Voltage

DC39V

Charging Time

5.3 hours