# Falcon
## street light 103



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

**Falcon**
street light 103

## Enhanced Design Features

### Power

The Falcon Street Light 103 harnesses the suns power through a extendable high grade solar panel that ensure 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 103 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 advance products to market in line with progress to a circular economy.

*Harvesting Clean Energy / Protecting Our Environment*

## Features

The Falcon Street Light 103 is a compact and powerful portable solar lighting tower. The FSL-103 features 2 LED lamps which provides a brighter and more environmentally-friendly lighting system.

The innovative Falcon Street Light design comes complete with an integrated forklit base frame design.
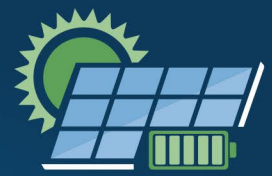
## Superior Features

Manually extendable & adjustable Solar PV panel designed to maximise the suns rays during day light hours.

The FSL-103 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 103

## Specification

| | |
|---|---|
| Name | Falcon Street Light |
| Model | FSL-103 |
| 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°CF ~ 113°F |
| Base | Durable Galvanized |
| Fixed Ring | 4 |
| Forklift Hole | 4 |
| Warranty | 3 years (Refer to operations & Warranty Manual) |

# Falcon
## street light 103

## 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 |
| Windproop | 117kph |

## Battery System

| | |
|---|---|
| Lithium-ion battery (LFP) | 1 x 200Ah BMS |
| Voltage | DC12.8V |
| Power Capacity | 2560W.h |
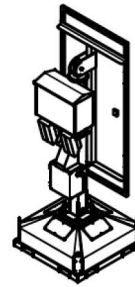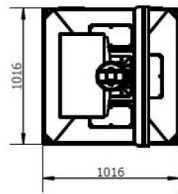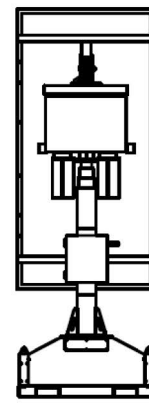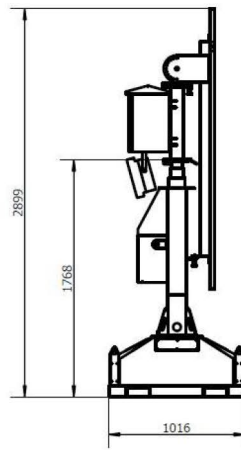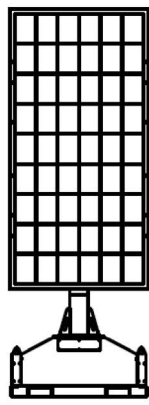
## Dimension: 1 unit sample shipping

| | | | | |
|---|---|---|---|---|
| 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

# Falcon
### street light 103

## 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 |