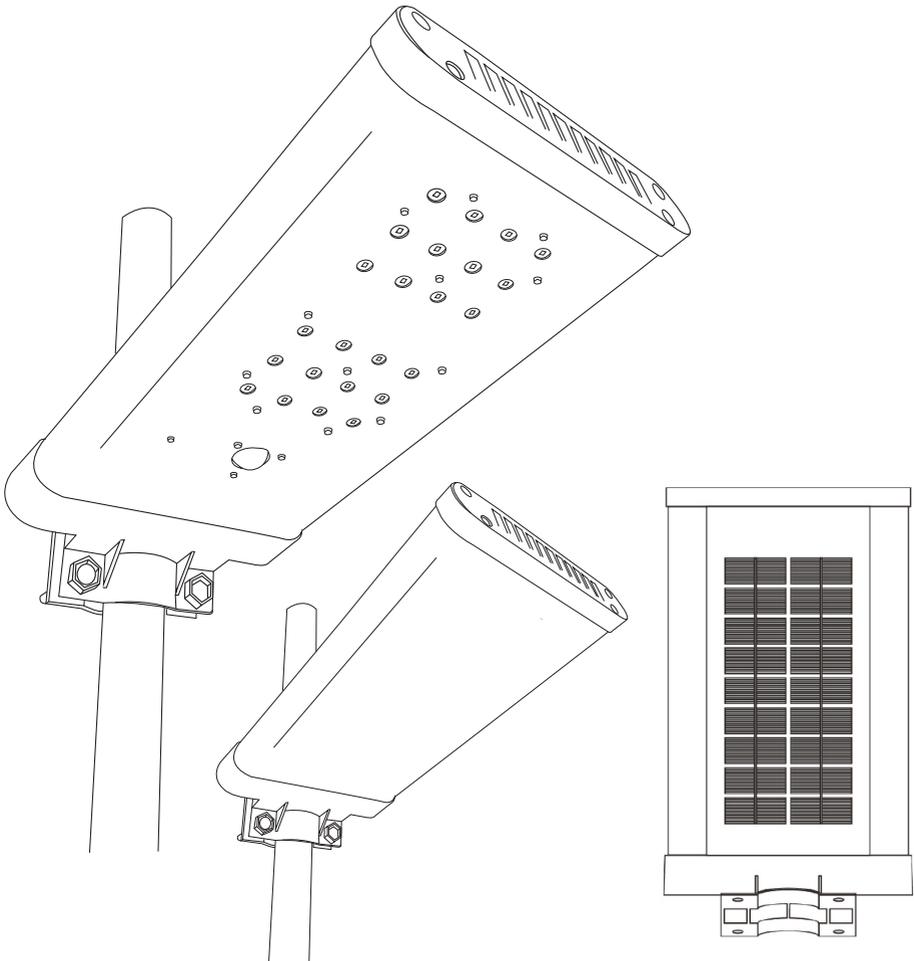




User Manual

Eclipse 24W Solar Light & Booster Panel



Eclipse 24W Solar Light & Booster Panel

SPECIFICATION

Model No.	SAL24
Wattage	24 Watt
Lumens	1800
Standby Light Lumen Output Level ($\pm 10\%$)	360
Light Distribution Angle (to half intensity)	100°
Lamp Color Temperature	5700k Natural White
Sensor Detection Range (approx. radius)	up to 4m
Installation Height (optimum)	4m
Integral Solar Panel	6.5 Watt 12V
Battery (lithium-ion)	4400mAh @ 7.4V
Max Run Time* (8hr charge/singlepanel/20 triggers)	7 hours
Max Run Time* (8hr charge/singlepanel/20 triggers WITH booster)	14 hours
Max Run Time* (8hr charge/singlepanel/NO triggers)	11 hours
Max Run Time* (8hr charge/singlepanel/NO triggers WITH booster)	22 hours
Battery Charging Temperature Range**	0-80°C
Battery Discharging Temperature Range	-20 - 60°C
Protection Range	IPX5
Pole Diameter (OD mm)	60 - 90mm
Housing	Powdercoat Aluminium with 306 stainless steel fixings
Nett Luminaire Weight	2.1kg

* Max Run Time based on fully charged batteries, insufficient sunshine hours may reduce run time.

** Built-in charge controller prevents inefficient charging outside these parameters.

INTRODUCTION

- Solar powered lights do not work without sunlight. Position light so that the solar panel is in an unshaded position. In areas that are short of light or after continuous days of rain, the Eclipse may only charge enough to provide the main light as the courtesy light ceases to function when the battery level drops below 40%
- The Eclipse should be mounted in an area free of trees and shade so maximum sunlight can fall on to the panel
- The Eclipse solar light is designed to work perfectly using the integral solar panel, provided that the panel is oriented towards the sun
- If your desired location restricts this, there is an optional extra panel and battery pack
- The Eclipse Solar Booster Panel is designed for the Winter months and areas that do not get a lot of direct sunlight to charge the Eclipse Area Light
- The Booster Panel is made of the same high quality casing as the light and incorporates an additional 7.4V 4400mAh battery which doubles the runtime up to 20 hours on low mode 20% power or 14 hours with 20 triggers at full power
- The Booster Panel can be mounted either back to back with the Eclipse Light on a pole or separately whichever is best to get maximum sunlight

INSTALLATION

Parts included with each light fitting:

- 1 x Eclipse 24W Solar Light
- 1 x Wall / Pipe Bracket
- 1 x Mounting Kit

Parts included with booster panel are as follows:

- 1 x Eclipse Booster Panel with 32.5W Li-ion battery
- 1 x Universal Bracket for pole mounting horizontally/vertically
(Can also be mounted direct to a wall)
- 4 x Sets Stainless Steel Nuts, Bolts and Locking Washers.

- It is very important that the 2 connecting cables are attached to the light with the correct matching colour codes, failure to do so may result in damage to the unit
- It is important that the Eclipse light fitting is mounted on a pole or wall that places it in direct sunlight
- The recommended mounting height is 4-6m
- Please open the package and ensure all the part are complete
- Before installing the Eclipse, turn unit on and place the light on the ground with the solar panel facing down and check to see that the unit illuminates to its low-light or courtesy light level. Sweep your hand over the sensor and check the light increases it's brightness to 100% power and stays on for a period of time (30seconds) before returning to courtesy light. Once satisfied install the light
- The Eclipse is designed to be fitted directly onto poles of differing sizes or, using half of the bracket, directly onto a wall

BATTERY MANAGEMENT SYSTEM

The battery operation is digitally controlled by the built-in micro-processor and this programme ensures that as the battery power is depleted, the fitting will still operate in an efficient manner. The following table demonstrates how the battery will perform as the % of power reduces.

	100% - 60% Battery Power	60% - 40% Battery Power	> 40% Battery Power
Full Light (PR)	YES - 30 secs exposure	YES - 30 secs exposure	YES - 30 secs exposure
Courtesy Light	YES	YES	NO

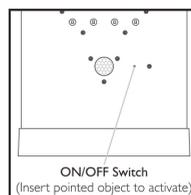
CLEANING THE SOLAR PANEL

Although no part of the Eclipse requires maintenance, routine cleaning of the solar panel will allow it to perform at peak capacity. In winter, keep snow and ice from building up on the solar panel so the battery charges properly.

LIGHT DOES NOT OPERATE AT

If the Eclipse does not operate at dusk, despite observing the instructions of this manual, please try the following:

- Ensure the solar panel is not shaded or otherwise obstructed during the day
- Ensure the ON/OFF switch has been activated (i.e. In the 'ON' position)



BATTERY MANAGEMENT SYSTEM

This product contains lithium-ion batteries.

Lithium-ion cells and battery packs may get hot, explode or ignite and cause serious injury if exposed to extreme conditions. Be sure to follow the safety warnings listed below:

- Do not open the Eclipse or tamper with the circuitry and battery inside
- Do not connect the positive terminal and the negative terminal of the battery pack to each other with any metal object (such as wire)
- Do not disassemble or modify the Eclipse or the battery. Both the Eclipse and the battery contain safety and protection devices, which, if damaged, may cause the battery to generate heat, explode or ignite
- Do not place the battery in a microwave oven, high pressure container or induction cooker
- In the event that the battery leaks and the fluid gets into your eye, do not rub the eye. Rinse well with water and immediately seek medical care. If left untreated, the battery fluid could cause damage in the eye

CE GUARANTEE TERMS

TradeTuff products have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase, provided that the enclosed instructions have been followed. Should you experience problems with your TradeTuff product, please return the item, complete with any chargers, to your place of purchase or contact Trade Survey direct. Your TradeTuff guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents or repairs attempted or made by any personnel without prior approval from Trade Survey. Your TradeTuff guarantee is not effective unless you can provide a dated proof of purchase. Please note that this guarantee does not affect your statutory rights. If at any time, you need to dispose of this product or parts of this product: Please note that waste electrical products, bulbs and batteries should not be disposed of with ordinary household waste. Recycle where facilities exist. Check with your local authority for recycling advice.

TradeTuff, Unit 21, Western Road, Stratford-upon-Avon, Warwickshire, CV37 0AH

Email: info@tradetuff.co.uk
Tel: 0800 292 2188

tradetuff.co.uk

