

# PRODUCT MANUAL

## 40 LED SOLAR SECURITY LIGHT



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## I. INTRODUCTION

Congratulations, you just purchased an excellent product, fruit of years of development and work, our Solar Lights is the best in light through solar charge.

We have got all the products you need to make your outdoor spaces safer, more attractive, and more practical for you and your family.

## II. SPECIFICATION

- 5V Polycrystalline silicon solar panel
- Li-ion battery: 3.7V
- LED power: 1.6w, 6000k to 6500k
- Night sensor: <10 Lux
- Motion angle distance: 90°
- Motion detection coverage: 5 metres
- Lights for 15 seconds when motion is detected
- Lighting mode: off, dim and bright
- Unit size: 85 x 114.5 x 41.5mm

## III. HOW IT WORKS

In the daytime the panel absorbs daylight, the battery used to store any energy.

At night the light turns on when motion is detected by the PIR sensor, the energy from daylight charge which is stored in the battery is used to power the light.

## IV. HOW TO SET UP THE SOLAR LIGHT

1. Use the supplied wall plugs and screws to affix the Solar Light to the wall.
2. Install the unit face the sun and make sure the solar panel can get the good sunlight directly without any shelter or glass.

## V. NIGHT SENSOR FUNCTION

- The light will automatically turn on (dim mode) at dawn and turn off at dusk.
- Dim light mode and Bright light mode: in order to save the energy stored in the battery from daylight charge, the default output of the light is dim mode and it will switch to bright mode if motion is detected within a 5 metre range.
- Switch the modes pressing the button on the back  
OFF > Mode 1 (on) > mode 2 (constant/sensor) > mode 3 (off/sensor) > OFF

## VI. HOW REPLACE THE BATTERIES

1. Unscrew the cover which is on the rear side of the light;
2. Remove the two clips and remove battery in the unit;
3. Replace the battery with a li-ion rechargeable battery
4. Re-mount cover.

## VII. TROUBLESHOOTING TIPS



### The solar light's brightness is low or flashes

- Batteries are not fully charged or need replacing (see section VII - How to replace the batteries, above on this page).
- The solar panel needs to be positioned in an area where there is a fair amount of direct light every day. After re-positioning the solar light, allow 3 successive bright days for full charge with the light switched off.
- Check for objects obstructing the solar panel like overhanging branches, fences or buildings. If there are obstruction reposition the product to another area.
- Check the solar panel is clean. A dirty solar panel will prevent the battery from charging. Also, this will shorten the life of the battery causing the solar light to malfunction.
- Clean the solar panel regularly with the damp cloth.

### The solar light's won't come on

- Check for an external light source, for example a street light or porch light, this may be preventing the sensor from detecting when it's dark. Move the light away from the external light source.
- Check for objects obstructing the solar panel like overhanging branches, fences or buildings, as the solar panel won't receive daylight energy thus preventing the battery from receiving charge. If there is an obstruction reposition the solar light to another area.

- Rechargeable batteries may need charging as overcast weather could have prevented them from charging properly. Check to see if the solar light works after 3 days of charging with the light switched off.
- If you have followed the above steps and the solar light still won't come on, then the battery may need replacing (see section VIII - How to replace the batteries).

#### ENVIRONMENTAL PROTECTION ADVICE

Waste electrical product products should not be disposed of with household waste. Please check with your Local Authority to find the nearest recycling facility to dispose of the light.



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