

Once you have placed your lights indoors connect the LED light string to the control tube as outlined above. Now connect the supplied USB cable to the control tube and plug the other end into a USB wall plug adapter. You can now use the Lumify power and mode switches (see control tube layout diagram) to control the lights.

**N.B. It is extremely important that you remove the battery from the control tube when using the lights indoors. If the battery is not removed it will continually charge via your USB power source which will damage the battery and may present a serious fire hazard.**

Removing the solar panel is necessary if you plan to use Lumify indoors because the solar panel contains the light sensor that controls when Lumify turn on and off automatically outdoors. Lumify will not operate indoors if the solar panel is connected and there are lights on in the room.

### Replacing the battery

The supplied 18650 3.7V rechargeable Lithium Ion battery is designed to work for at least a year before it needs replacing. If you are experiencing issues within the first year of owning your lights it is unlikely that replacing the battery will resolve the problem (please see troubleshooting). When it is time to replace your battery remove the cap from your control tube, locate the battery compartment lid, press down on the lid and slide it left and release. The contact spring will push the battery up so it can be removed easily. Please dispose of the dead battery responsibly and in accordance with your local waste disposal guidelines.

### Trouble Shooting

#### My lights are on but it isn't dark

Your Lumify USB Solar Fairy Lights have a twilight sensor in the solar panel that tells them when it is dark enough to turn on. If your lights are coming on during the day by themselves this may suggest that the panel thinks it is dark when it isn't. This can happen in unusually dark weather conditions, but usually it is a sign that the solar panel is positioned in a heavily shaded location. Please rethink your solar panel location or remove objects obstructing light from reaching the solar panel.

#### My lights worked for the first few nights and then stopped working

Usually Lumify USB Solar Fairy Lights come partially charged so they will work for a few nights without receiving a fresh charge from the sun or by USB. If the lights stop working after a few nights then it is likely that they have not received a fresh charge during the first few days. Firstly you will need to improve your solar panel location (see page 2). Once you have done that USB charge your lights (see page 1) and try them again.. If you don't have access to a USB charging device, switch the lights off by using the switch on the control tube and leave them off for a minimum of 3 days to allow the battery to fully charge.

#### I can not get my lights to turn on and they never have

1. Please start by checking that your lights are switched on by examining the switch in the control tube.
2. Remember that Lumify USB Solar Fairy Lights will only come on after dark if the solar panel is connected.
3. If it is dark and they are not coming on there might be a nearby light interfering with the twilight sensor. This could be nearby streetlights or lights coming from inside our outside your property or a neighbouring property. To check this simply disconnect the solar panel connector from the control tube. If the lights come on reconnect the solar panel to the control tube and adjust the angle of the solar panel to avoid the light that is causing the interference.
4. Usually our Lumify USB Solar Fairy Lights come partially charged, but this isn't always the case. Please USB charge your lights (see page 1) and try them again.. If you don't have access to a USB charging device, switch the lights off by using the switch on the control tube and leave them off for a minimum of 3 days to allow the battery to fully charge.

# Lumify®

USB SOLAR FAIRY LIGHTS

## User Guide

Thank you for choosing our Lumify USB Solar Lights. Please read these instructions carefully before you begin

### Box Contents

Solar panel, control tube (with battery installed), LED light string, stake mount, wall mount, USB charging cable and fixings pack.

### How Lumify work

During the day the sun's rays are absorbed by the solar panel which sends that energy to the battery inside the control tube where the energy is stored. After dark the battery powers the Lumify USB Solar Fairy Lights. Lumify have been designed to work year-round using solar power alone, but you can also fully charge the battery quickly at any time by using a USB charging device such as your computer or a USB wall plug adapter (see 'USB charging' below).

### Before you begin

Although not essential, we thoroughly recommend fully charging your battery via USB before enjoying your lights for the first time. If you do not have access to a USB charging device such as a computer or a USB wall plug adapter, we advise leaving them to charge outside for 3 days prior to first use. During this initial charge up period please ensure that your Lumify lights are switched off (see diagram below) and that the solar panel is connected to the control tube.

### USB charging

See diagram below. To USB charge the battery simply unscrew the cap on the control tube, insert the smaller end of the supplied USB cable into the USB charging port on the control tube and the large end into a USB wall plug adapter or a USB port on your computer. Please note that your computer needs be powered on during USB charging. Initially, the USB charge indicator light will glow red, but it will change to green once the battery is fully charged. The battery in a 100 LED set will take up to 4 hours to fully charge via USB. The battery in a 300 LED set will take up to 5 hours to fully charge via USB. **N.B Please do NOT leave your Lumify to charge unattended for longer than a few hours and disconnect the control tube from your USB charging device soon after the light turns green.**

### Control tube layout

#### MODE BUTTON

Pressing this button will cycle through the different lighting modes

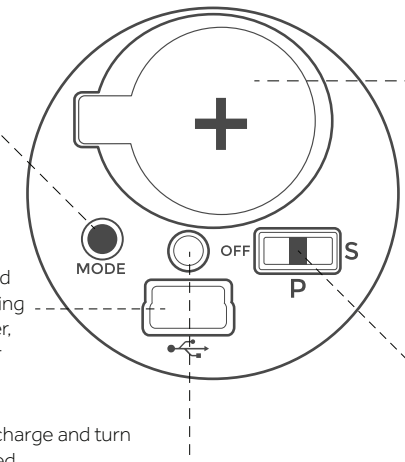
#### USB CHARGING PORT

Use the supplied USB lead to speed charge your Lumify lights by plugging it into a USB port on your computer, or by using a USB wall plug adaptor

#### USB CHARGE INDICATOR LIGHT

This light will glow red during USB charge and turn green once charging has completed.

**N.B Do NOT leave your battery to charge unattended and disconnect it from your USB charging device soon after the light turns green.**



#### BATTERY COMPARTMENT LID

Press and slide left to open the battery compartment lid.

**N.B Please only use 3.7v 18650 rechargeable batteries with the positive end facing up.**

#### POWER SWITCH

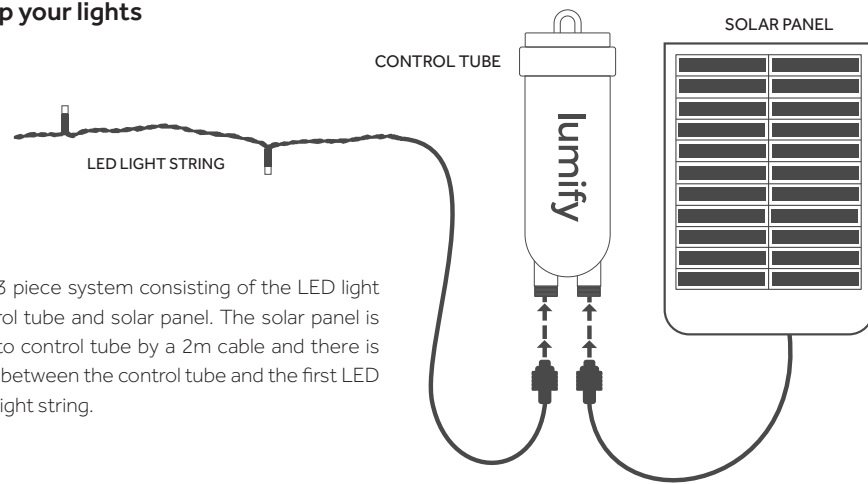
**OFF:** Lights will still charge, but they will not come on.

**S:** Standard mode. Full brightness.

**P:** Powersaving mode. The brightness of your lights is reduced, but runtime is doubled.

In both **P** and **S** mode your lights will come on automatically at dusk and turn off after 8 hours.

## Setting up your lights



Lumify is a 3 piece system consisting of the LED light string, control tube and solar panel. The solar panel is connected to control tube by a 2m cable and there is 2m of cable between the control tube and the first LED bulb on the light string.

## Positioning your solar panel

Before positioning your Lumify solar panel please think very carefully about the location you intend to put it in. Lumify can be charged quickly via USB so they can work in locations that get little or no sunlight, but a good solar panel location will mean you will hardly ever need to rely USB charging. Panels that are mounted higher up in a south, south-east or south-west facing locations always perform best. Always try to avoid shaded areas that are obstructed by buildings, trees, fences, sheds, bushes or the shadows that these create. Please remember that there is 2m of cable between your solar panel and control tube and a further 2m of cable between your control tube and the first LED bulb.

## Stake mounting your solar panel

Before attempting to push the stake into the ground, please ensure that the solar panel is not attached and that the ground is not too hard. Any damage caused to your solar panel as a result of attempting to drive into hard ground is not covered by your warranty. If the ground is too hard, pour water on the desired area to soften the ground and make a hole using a strong metal object before driving your stake into that hole. Almost all of the stake needs to be under ground with only the piece above the ridge being above ground. Once that is done gently twist the solar panel shaft onto the top piece and then attach the solar panel.

## Wall, fence or deck mounting your solar panel

Attach the wall mount to your wall, fence or decking using the supplied screws and screw-plugs. Once your wall mount is in place, locate your solar panel and attach it to the mount.

## Vertical and horizontal tilt

Your Lumify solar panel can be tilted horizontally and vertically to achieve the perfect angle to catch most of the sun. To make vertical adjustments loosen off the thumb screw that attaches the solar panel to the solar panel mount and adjust the tilt angle. Once you are happy tighten up the thumb screw. To make horizontal adjustments simply tilt the solar panel into the desired angle and it will stay in place. If it does not hold firm, tighten up the two screws either side of the ball joint on the underside of the solar panel.

## Positioning your control tube

The Lumify control tube offers an extremely high level of waterproofing so long as the screw cap and the two connectors (solar panel connector and LED light string connector) have been fully tightened. Within reason you can position your control tube anywhere within two meters of your solar panel and two meters of the first LED bulb on the light string. It is recommended that you use the hoop on the top of the control tube cap to secure or hang it from something above ground level, but you can rest the tube on the ground so long as it is not at risk of being submerged in standing water.

## Connecting your solar panel to the control tube

Now that your solar panel is installed it is time to connect it to the control tube. Start by rotating the control tube so that the Lumify logo is facing you. Connect the solar panel lead into the right hand socket on the control tube and then fully tighten the valve. Please note that the connector can only go into the socket on the control tube one way so please make sure you have checked the connector alignment before you attempt to connect it.

## Placing your lights

Before you begin placing your lights, please make sure that the connector on the LED light string will be within reach of the control tube once you have placed your lights in your intended location.

**N.B. Putting too much stress on your LED light string or solar panel cable can significantly reduce Lumify's life expectancy. Always ensure that there is some slack on the solar panel cable and LED light string. Never have the control tube dangling unsupported from the end of the solar panel cable or LED light string. If you plan to wind your LED light string around trees do not wind the string too tightly as the diameter of the tree trunk will increase as it grows which will stress the string over time. Failure to follow this guidance may invalidate your warranty.**

## Connecting your LED light string to the control tube

Once you have finished placing your lights it is time to connect the LED light string to the control tube. Start by rotating the control tube so that the Lumify logo is facing you. Connect the LED string lead into the left hand socket on the control tube and then fully tighten the valve. Please note that the connector can only go into the socket on the control tube one way so please make sure you have checked the connector alignment before you attempt to connect it.

## Operating Instructions

Lumify USB Solar Fairy Lights are fully automatic so once turned on they will come on automatically at night and turn off automatically after 8 hours unless you turn them off at the switch. To turn your solar lights on simply slide the power switch on the control tube to either 'S' (Standard) or 'P' (Powersaving) mode.

## Powersaving Mode

Powersaving mode is for those that don't have a great solar panel location available and aren't able to USB charge. Lumify's advanced Powersaving mode reduces brightness slightly which doubles the runtime of the lights each night. To select Powersaving mode slide the power switch in the control tube to the 'P' position. In Standard mode ('S') the lights will operate at full brightness.

## Lighting Modes:

There are 8 modes available on your Lumify USB Solar Fairy Lights which includes flashing and alternating sequences as well as steady on where all lights stay on all the time. To change modes simply press the Mode button on the control tube (please see control tube layout). Once you have selected your favorite mode Lumify will remember it and come on it that mode automatically each night.

## Water Ingress:

Lumify offers an exceptionally high level of protection against water ingress, but this protection is not unlimited. Always ensure that the control tube cap, solar panel cable and LED string connectors have been fully tightened to the control tube. Always avoid placing your control tube, solar panel or LED string in areas where they will be in constant contact with water. **Failure to follow this guidance may invalidate your warranty.**

## Indoor use

Lumify USB Solar Lights can be used inside as well as outside. To use your lights indoors simply unscrew the cap on the control tube and remove the battery by pressing down on the battery compartment lid and sliding it left. Once the battery has been removed close the battery compartment lid. Now disconnect the solar panel and store this safely with the battery and the control tube cap which you will not need when using Lumify inside.