

Operation Manual

"Crystal / Light Magic" solar globe lights

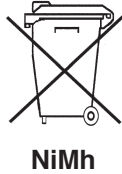


Customer care:

If you have any problems or questions about this product, just contact us!
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Internet: www.esotec.de
Via phone: +49 9605-92206-0
By e-mail for spare parts **orders** : ersatzteil@esotec.de
By e-mail for questions about the product: technik@esotec.de
Internet: www.esotec.de
Manufacturer Part Number: 102433 and 102435

Battery disposal

Batteries must not be disposed of with the household waste. The consumer is legally obliged to return batteries after use, for example to public collection points or where such batteries are sold.
Batteries containing pollutants are marked with the symbol "crossed out garbage can" and one of the chemical symbols.



Warning:

- Batteries do not belong in the hands of children. Never leave batteries lying around openly, there is a risk of them being swallowed by children or pets.
- Batteries must never be short-circuited, dismantled or thrown into fire. There is a risk of explosion!
- Leaking or damaged batteries can cause burns if they come into contact with the skin, so use suitable protective gloves in this case.
- When changing the batteries, only batteries of the same construction may be used. Under no circumstances should old batteries be used as they cannot be recharged.
- Make sure the polarity is correct when inserting or connecting the batteries.
- If the device is not used for a longer period of time (e.g. storage), remove the inserted batteries to avoid damage from leaking batteries.

Disposal:

Dear customer,
Proper disposal of old devices is mandatory!
Should you ever want to part with this article, please keep in mind that many of its components are made of valuable raw materials and can be recycled.
Therefore do not dispose of it in the garbage can, but rather please take it to your collection point for electrical devices.
Thank you for your help!



1. Introduction

Dear customer, thank you for purchasing this product.
You have acquired a product that has been built according to the current state of the art.



The product meets the requirements of the applicable European and national guidelines. The conformity with these requirements has been proven, and the corresponding declarations and documents are deposited with the manufacturer.

In order to ensure the product continues to meet these requirements, and to ensure safe operation, you as the user must observe these operating instructions.

2. Safety instructions



The guarantee and the warranty expire in the event of damage to the product caused by failure to observe these operating instructions. We are not liable for any consequential damage!

The same applies to property damage or personal injury caused by improper handling or failure to observe the safety instructions.

- Unauthorised modifications or other changes to the product are not permitted. The guarantee and the CE approval expire in this event.
- Make sure that the light does not get into the hands of children. It is not a toy!
- Keep plastic film or other packaging material away from children, there is a risk of suffocation.
- This product is only suitable for private use!

3. Function and intended use

The solar light is designed for year-round outdoor use. It can be operated standing on the ground and secured against rolling away using the supplied ground spike.

The solar light must be set up protected from shadows and facing the sun. South-, east- or west-facing is recommended. Shady north-facing areas are not suitable for solar lights.

The built-in battery is charged by the internal solar module. The light switches on automatically at dusk and off again at dawn or when the battery is flat.

Warm white light-emitting diodes (LEDs) are used as light sources. These LEDs guarantee high luminosity with low power consumption and a service life of over 30,000 hours.

Note: If the battery is not exposed to sunlight for longer periods, it may not be able to charge the battery adequately from sunlight. **However, this does not mean that the solar light is defective.** Wait for the next sunny days and the luminaire will work accordingly again.

Note: This globe is not buoyant!

The battery should be changed every 2 years on average!

4. Installation

1. Carefully remove the parts from the packaging.
2. Turn the glass globe counterclockwise from the base and remove the glass globe.

Note: Please do not use force when turning the globe. The globe is made of glass and there is a risk of injury from broken glass. In case of doubt, use appropriate cut protection gloves!

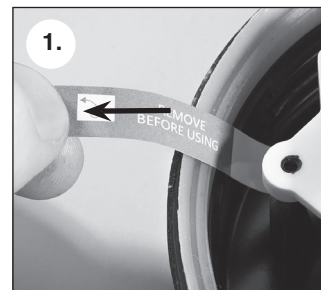
3. Gently pull the strip out of the battery compartment at the bottom. The light is now activated (Fig. 1).

4. Now carefully screw the globe back onto the lower part.

Note: If necessary, take some rubber care product from the motor vehicle sector and rub it into the seal. In order to prevent water from entering the globe, it must be tightly closed. When unscrewing the globe, make sure that the thread is not tilted and that the closed lock symbol is between the two markings in the lower part (picture 2). Only then is the globe firmly and properly locked.

The light is now ready for use!

Note: The duration of the light depends heavily on the intensity and duration of sunlight during the day. In the winter months, you can generally expect less lighting time. If the light does not light up on the first evening, please wait for a sunny day.



5. Changing the battery

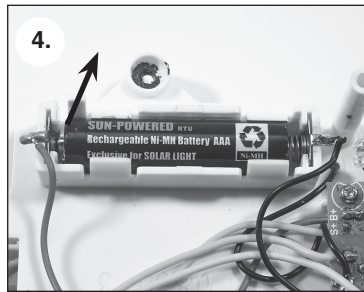
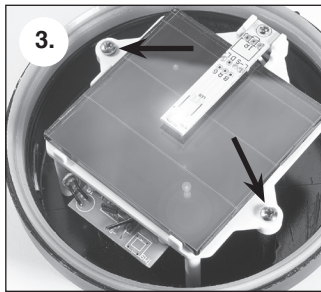
On average, the battery in the globe light has to be replaced with a new one of the same design and type every 2 years. A NiMh battery of the size (AAA, Micro) with 1.2 V / 600 mAh is used here. If you cannot find a 600 mAh battery in stores, you can always use a battery with a higher capacity. You can obtain a replacement battery from your retailer or directly from the manufacturer at www.esotec.de

Please proceed as follows when changing:

1. Turn the glass globe counterclockwise from the base and remove the glass globe.

Note: Please do not use force when turning the globe. The globe is made of glass and there is a risk of injury from broken glass. In case of doubt, use appropriate cut protection gloves!

2. Loosen the two screws with a suitable screwdriver and carefully remove the part with the solar module (picture 3).



3. Carefully remove the battery from the holder on the back and replace it with a new battery of identical type (Fig. 4).
4. Now put the upper part with the solar module back on and tighten the screws again with a suitable screwdriver.
5. Now carefully screw the glass globe back onto the lower part.

Note: If necessary, take some rubber care product from the motor vehicle sector and rub it into the seal. In order to prevent water from entering the globe, it must be tightly closed. When unscrewing the globe, make sure that the thread is not tilted and that the closed lock symbol is between the two markings in the lower part (picture 3). Only then is the globe firmly and properly locked.

The light is now ready for operation again!

6. Malfunctions

Globe not functioning!

Remedy: Has the battery in the globe reached the end of its service life (change every 2 years at the latest)? See point 5.

Remedy: No sunshine during the day. If the sky is cloudy and there is no sunshine, the built-in battery in the sphere will not be sufficiently charged! Wait for a sunny day!

Remedy: Has the strip been pulled out completely when using for the first time? See instructions in point 4.

7. Technical specifications

| Item no: | 102433 | 102435 |
|----------------------|--|---------------------|
| Solar module: | 0.2 Wp amorphous | 0.2 Wp amorphous |
| Light source: | 1 Osram LED | 24 LEDs |
| Light colours: | 3000 K (warm white) | 3000 K (warm white) |
| Light intensity: | 4.5 lm | 4.5 lm |
| Protection grade: | IP 65 | IP 65 |
| Protection class: | III | III |
| Temperature range: | -20°C to + 40°C | -20°C to + 40°C |
| Burn time: | max. Approx. 8 hours with a fully charged battery | |
| Battery pack: | NiMh 1.2 V / 600 mAh (Micro / AAA) | |
| Replacement battery: | 1.2 V / 900 mAh (Micro) Spare part Art. No: 901023 | |

You can find all spare parts at www.esotec.de