

# Using Instructions solar house number light "Wave"



## Customer support:

If you have problems or questions regarding this product, simply contact us!  
**Monday to Friday 8 am to 12 noon and 1 pm to 4 pm.**  
By phone: +49 9605-92206-0  
By e-mail for ordering spare parts: [ersatzteil@esotec.de](mailto:ersatzteil@esotec.de)  
By e-mail for questions about the product: [technik@esotec.de](mailto:technik@esotec.de)  
**Lighting color warm white: Manufacturer Item No.: 102035**  
**Lighting color cold white: Manufacturer Item No.: 102036**

These instructions relate **ONLY** to this product and contain important information for using the product for the first time. Please keep these instructions for later reference and should always accompany the product in the event of transference to a new user.

## 1. Introduction

Dear Customer,  
Thank you for purchasing the solar light. With this solar light you purchased a product manufactured according to the current state of technology.



This product fulfils all requirements of the valid European and national regulations. The conformity was proved. The relevant declarations and documentation are deposited with the manufacturer.

To maintain this state and guarantee a safe operation, you as the user will have to follow this operating manual!

## 2. Safety Instructions



- In case of damages caused by not following this operating manual, the warranty rights will expire! We exclude liability for any consequential damages!
- We exclude liability for property or personal damages caused by inappropriate handling or not following the safety instructions.

- In these cases any guarantee rights will expire.

Due to safety and admission reasons (CE) it is not allowed to arbitrarily reconstruct and/or change the solar light.

Therefore, please keep to the operating manual.

The accident prevention rules of the association of the industrial trade cooperative association for electric plants and working material are to be considered in industrial environments.

## 3. Usage in Accordance with Requirements

The light is automatically switched on at darkness and switched off at morning light. Depending on the charging condition of the rechargeable batteries, the luminosity may decrease after a certain operating time. This enables a longer operating time in case of bad insolation.

The maximum duration of illumination with full (rechargeable) battery and without recharge is approx. 20 hours. The crystalline solar module installed in the upper part of the housing charges the inserted batteries at sunlight. The installed LEDs are activated at dawn and will be illuminated according to the charging condition of the battery.

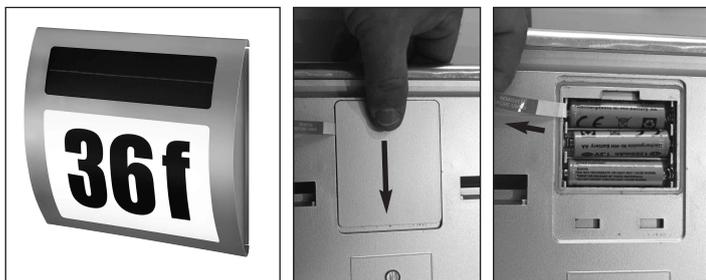
Up to 3-figure numbers or letters may be stuck on the luminous surface on the front side.

**Note:** Please make sure that the solar light is installed on a shadow-free south-, east- or west side. The product cannot be used if installed on north sides, under bushes or similar. In winter, the solar cell shall always be free of snow.

## 4. Initiation

1. Please carefully take all parts out of the package.
2. Stick your house number on the luminous surface by means of the attached figure sheets.
3. Now open the battery compartment on the back side of the housing and pull out the strip. The battery compartment may now be closed again. The house number is now activated!
4. It may now be mounted on the wall via the slots on the back side of the house number.

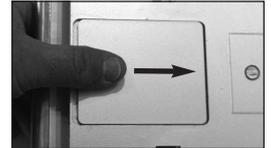
**Note:** During the winter months the duration of illumination will generally be shorter. If the lamp should not yet start working on the first evening, please wait for a sunny day or recharge the inserted accumulators by means of a standard battery charger.



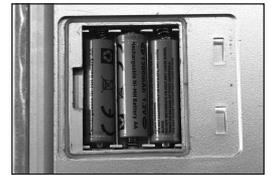
## 5. Exchange of Accumulator

The capacity of the batteries will diminish after one to two years and they will have to be exchanged. The ordinary rechargeable batteries are available at your local retailer or from the manufacturer. The battery type used is the following: 3 pieces of Mignon NiMH 1.2 V/ 1300 mAh.

1. Open the accumulator compartment on the back side of your house number light.
2. Remove the accumulator from the bracket.
3. Re-insert the new rechargeable battery with correct polarity and close the battery compartment.



**Note:** Spent batteries must be disposed off in an environmental-friendly way and should not be thrown into the dustbin. Your dealer is legally obliged to take back the old batteries.



## 6. Malfunction

### Lamp does not switch on at night

- An external filament (e.g. street lights) simulates natural light on the solar module and prevents the lamp from switching on. Place the lamp in a dark place.
- Is the battery placed with correct polarity?

### Lamp does not switch on at night or only briefly.

- Polarity reversed while replacing battery?
- Battery weak or faulty?  
Charging the battery in a standard charger. Changing the battery.

## 7. Technical data

Solar module	1,4 Wp crystalline
Luminosity period:	Max. 20 hrs with full battery
Degree of protection:	IP 44
Protection class:	III
Batteries:	3 x NiMH 1.2 V/1300 mAh (Mignon AA)
Lamp:	5 white Nichia LED's
Lighting color:	2800 K warm white, Item No. 102035 6000 K warm white, Item No. 102036
Light intensity:	18 lm, Item No. 102035 20 lm, Item No. 102036

## Battery take-back

- Batteries must not be discarded into domestic waste.
- The consumer is legally required to return batteries after use, e.g. to public collecting centers or to battery distributors.
- Contaminant-containing batteries are labeled with the sign "crossed-out trashcan" and one of the chemical symbols. Used batteries should be disposed environmentally friendly and should not be discarded into domestic waste. Your dealer is legally required to take back old batteries.



## Rechargeable battery notes

- Rechargeable batteries should not be played with by children. Never leave rechargeable batteries lying around; they could be swallowed by children or pets.
- Rechargeable batteries must never be short-circuited, disassembled or thrown into fire. This leads to a danger of explosion!
- Leaking or damaged rechargeable batteries can cause chemical burns when they come into contact with skin. For this reason, please make use of suitable protective gloves.
- Rechargeable batteries should only be replaced by structurally identical rechargeable batteries from the same manufacturer. Normal batteries must not be used since these are not rechargeable.
- Make sure the rechargeable batteries are inserted with the correct polarity.
- For long periods of time of non-use (for example, storage), remove the inserted rechargeable batteries to avoid damages via the leaking rechargeable batteries.

## Manufacturer / Importer

esotec GmbH - Gewerbegebiet Weberschlag 9 - D-92729 Weiherhammer  
Tel.-Nr: +49 9605-92206-0 - Fax.-Nr: +49 9605-92206-10 - Internet: [www.esotec.de](http://www.esotec.de)

## Disposal:

Dear customer,  
please cooperate in avoiding waste. When you intend to dispose of the product in future, please consider that it contains valuable raw materials suited for recycling.

Therefore, do not dispose it of with domestic waste but bring it to a collection point for the recycling of waste electrical and electronic equipment.

Thank you very much for your cooperation!



WEEE: DE59284711