

# Solar LED Lighting System



**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.

## 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: 09605-92206-27  
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)  
**Product: Manufacturer Item No.: 102091**

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 fulfills 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. Intended Use

Universal LED-lighting system to be used in the garden, for leisure activities and camping.

The LED-light is mounted inside a room (or tent) and the powerful solar module is mounted within reach of the cable at a shadow-free, sunny place outside. The batteries inside the light are charged when the sun shines. Via a cord switch, the lighting may be switched on in two levels.

The operating time of the LEDs amounts to up to 8 hours, depending on the switch setting. The triggering of the lights occurs through a PIR motion sensor which must be mounted indoors. As soon as someone enters the room, the lights automatically switch on and after about 50 seconds after the last movement they switch off.

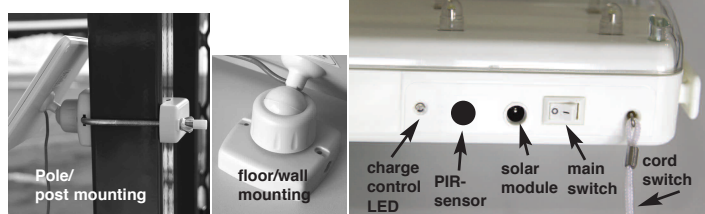
**Note:** Please make sure that the solar module is installed on a shadow-free south-, east- or west side. The product cannot be used if installed on north sides, under bushes or similar. In winter, the solar module shall always be free of snow.

## 4. Initiation

1. Please carefully take all parts out of the package.
2. Install the light on a wall using the enclosed screws (insert the screws in the slots on the back of the light). Please make sure that you are always able to safely and comfortably reach the cord switch.
3. Now, mount the solar module within reach of the cable on a wall, floor, pole, bar or similar.

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

4. Now, connect the cable on the solar module with the light and insert the plug into the socket of the light. The charge control LED will flash if the solar module is exposed to the sun.
5. Switch the toggle switch (main switch) on the light to the position "I". The light is activated!
6. Assemble the motion sensor inside the room using the enclosed screws.
7. The light may now be operated in two levels. This is done via the cord switch.
8. Plug the plug on the cable of the motion sensor into the socket on the lights. The light will switch on at darkness through the motion sensor and heat changes. Switching off will occur approx. 50 seconds after registration of the last movement. If the motion sensor is not plugged in, the lights only function through the pull switch.



## 5. Exchange of the rechargeable batteries

The capacity of the rechargeable batteries will diminish after 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: Mignon NiMh 1.2 V/ 1300 mAh.

1. Switch the main switch on the light into the position "O" and disconnect the socket from the cable of the solar module.
2. Take the light off the wall.
3. Open the cover on the back side of the light by unscrewing the two screws.
4. Remove all rechargeable batteries from the bracket.
5. Re-insert the new rechargeable battery with correct polarity and re-assemble the light in reverse order.

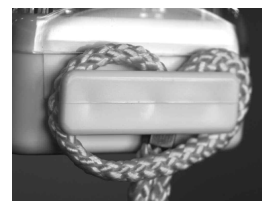
**Note:** Used batteries or accumulators must be disposed of in an environmentally sound manner. They do not belong into the domestic waste. Your dealer is legally obliged to take back.



## 6. Applications

### Mobile Light

The enclosed cord allows a mobile use of the light. For this purpose, simply fix the cord on the plastic bracket.

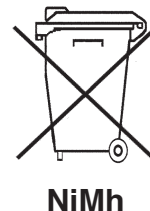


## 7. Technical Data

- <b>Solar module:</b>	
Power rating:	2 Wp
Protection class:	IP 44
- <b>Light:</b>	
Light strength:	5 LEDs: 65 lm, 10 LEDs 135 lm
Light colour:	6500 K
Lamps/illuminants:	10 pieces. 0.25 W LEDs
Operating voltage:	6 V DC
Rechargeable batteries:	5 pieces NiMh 1.2 V/1300 mAh (Mignon AA)
Duration/battery life:	max. 8 hours with 5 LEDs max. 4 hours with 10 LEDs
Protection class:	IP 20 – only for dry rooms (inside)
- <b>PIR motion sensor:</b>	
Coverage area:	90°/ 6m
Cable length:	3 m

### 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!

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