

Using Instructions

Solar light „Asinara PIR-plus“



Customer support:

If you have problems or questions regarding this product, simply contact us!
Monday to Friday 9 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
By e-mail for questions about the product: technik@esotec.de
Product: Manufacturer Item No.: 102098

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. Intended Use and Function

The solar module installed in the upper part converts sunlight into electrical current. The installed batteries are charged with this produced energy.

At darkness, the installed high-quality „Nichia“ LED's shines with weak luminosity. When a change of heat (motion) is detected, the LED's will shine a lot brighter for approx. one minute.

The lamp is automatically switched off when it is bright or if the battery is discharged. The solar lamp is suitable for year-round outdoor use. The duration of illumination during the night strongly depends on the solar radiation and the angle of incidence onto the solar cell during the day. Solar lamps shall always be positioned at a shadow-free and sunny place. An operation at a place facing north or in the shadow of trees or bushes is not recommendable.

4. Start-up

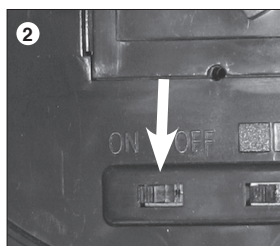
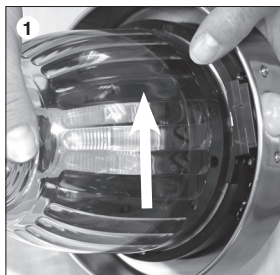
1. Please carefully take out all parts out of the package.
2. Unscrew the luminary from the upper part (figure 1) and switch on the lamp via the slide switch (figure 2) (ON). Screw the luminary back onto the upper part.
3. Turn off the two nuts from the bracket and screw the bracket to the back of a sunny wall in max. 1.8 m height. Screw the cover back on the holder and put the light on the tube on. Pay attention that the motion switch facing forward!

The solar lamp is now activated.

Note: The lamp is equipped with a motion sensor/switch. At darkness, a weaker light is shining and the lamp serves as an orientation light in energy saving mode.

If the installed motion sensor now detects a change of heat within its range (120°), the light intensity will automatically be increased significantly. The duration of illumination amounts to approx. 1 minute.

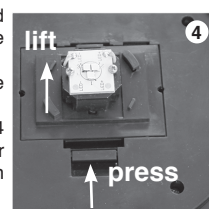
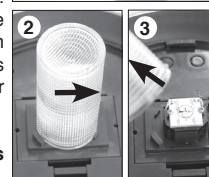
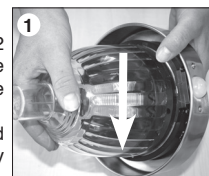
Thus, the lamp is ideal for paths or as staircase lighting.



5. Exchange of the Batteries

The batteries have an average service life of approx. 2 years. After this time, the duration of illumination and the operational readiness of the lamp will decline. We therefore recommend an exchange of the batteries every 2 years.

Note: 3 NiMH 1.2 V/ 900 mAh Mignon batteries are used in this lamp. When exchanging those batteries, you may also use batteries with a higher capacity (e.g. 1300 mAh). Those batteries are available from your dealer or the manufacturer. Please make sure that only identical in construction batteries with identical capacity are used. It is recommended to charge the new batteries in a charger prior to their use.



When exchanging the batteries, please proceed as follows:

1. Remove the lamp from the stainless steel pipe and unscrew the luminary from the upper part clockwise (figure 1).
2. Rotate the reflector anticlockwise and remove it (figure 2 + 3).
3. Carefully unlock the battery compartment (figures 4 and 5) and open it. Take the batteries out of the holder and replace them by new freshly charged identical in construction batteries.
Note: Please put in the batteries with correct polarity.
4. Now reassemble the lamp in reverse order.

Note: Batteries have to be disposed of in an environmentally sound way and do not belong into the household waste.

6. Malfunctions

Lamp is not activated at darkness

- A source of extraneous light (e.g. street lamp) simulates daylight on the solar module and prevents the activation. Place the lamp at a darker place!

At darkness, the lamp is not activated at all or only for a short time.

- Is the lamp switched on?
- Battery weak or defective? Exchange the batteries!

Lamp shines bright without any persons moving within the detection range.

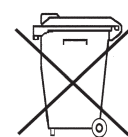
- Stray cats or other animals activate the light.
- Are bushes or trees heavily moving within the detection range?
- Wind with greatly varying temperatures may activate the motion sensor?

7. Technical Data

- Solar module: crystalline silicon 1.2 Wp
- Illuminant: 3 white „Nichia“ light emitting diode's (LED)
- Luminous color: 6500 K (cold white)
- Luminosity: 2,2 lm/ 100 lm (with PIR)
- Protection class: IP 44
- Protection class: III
- Battery: 3 x NiMH 1.2 V/900 mAh (Mignon, AA)
- Duration of illumination: max. 12 hours with fully charged battery pack
Depending on the switching frequency of the motion sensor/switch
- Coverage motion detector: 120°/ 6 m
- Operating temperature range: -20°C to + 40°C

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.



NiMH

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.

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!

