

Using Instructions LED Solar light „Asinara-pro“



Customer support:

If you have problems or questions regarding this product, simply contact us!

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.: 102530

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 in electric current. The integrated batteries are charged with the energy gained this way. This solar lamp is appropriate for all-season use. The integrated high quality „Nichia“ LEDs give light at darkness. The light colors warm or cold white can be selected via a switch.

The solar lamp can be operated in two operating modes: In **summer mode**, the LEDs are shining with their full luminosity at nightfall and is automatically switched off at brightness or when the batteries are discharged.

In **winter mode**, the LEDs are shining with reduced luminosity. When a movement is detected (change of heat) within the detection range of the PIR sensor, the LEDs will shine with the full luminosity for approx. 30 seconds and are then switched back to their reduced luminosity. This mode is specifically intended for the less sunny time because this property provides for the saving of energy.

The light ON time at night is strongly dependent of the solar radiation and the angle of incidence onto the solar cell during the day. Solar lamps shall always be positioned free from shadows in the sunlight. An operation on north sides or in the shadow of trees or bushes is not recommendable.

4. Putting into Operation

1. Take all parts out of the packaging.
2. Unscrew the luminary from the upper parts clockwise (illustration 1).
3. At the bottom side of the upper part there are two 2 switches (illustration 2). The following settings are possible with those switches:

Switch position: WW AUS (OFF) KW

WW = Light color warm white (2800 K)

KW = Light color cold white (6500 K)

AUS = Lamp switched off

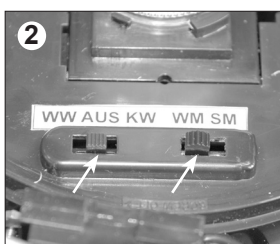
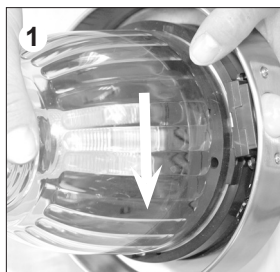
Switch position: WM SM

WM = Winter mode (with PIR sensor)

SM = Summer mode (without PIR sensor)

3. New screw the luminary back onto the upper part.
4. Put the stainless steel pipe together and attach the plastic spike.
5. Firmly insert the rod into the ground at a sunny place and attach the lamp onto the rod.

The solar lamp is now activated.



5. Exchange of Batteries

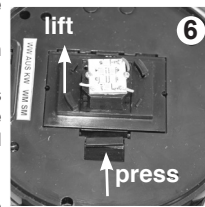
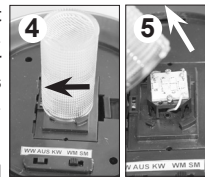
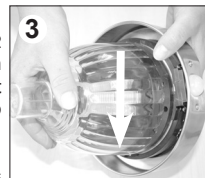
The batteries have a average service life of approx. 2 years. The light ON time and the readiness for operation of the lamp will decrease after this time. This is why it is recommendable to exchange the batteries every two years.

Note: 3 pieces of NiMh 1,2 V/ 1300 mAh Mignon batteries are used in this lamp. When exchanging them, you are at any time able to use batteries with a higher capacity (e.g. 1500 mA). Those batteries are available from the dealer or manufacturer. It is recommended to charge the batteries with a customary battery charger before exchanging them.

When exchanging the batteries, proceed as follows:

1. Remove the lamp from the stainless steel rod and unscrew the luminary from the upper parts clockwise (illustration 3).
2. Turn the reflector clockwise and remove it (illustration 4 + 5).
3. Carefully unlock the battery compartment (illustrations 6 and 7) and open it. Take the batteries out of the bracket and replace the batteries with freshly charged ones of identical construction.
Note: Insert the batteries with correct polarity!
4. Now, reassemble the lamp in reverse order.

Note: Used batteries or accumulators must be disposed of in a non-polluting way and do not belong into the domestic 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.

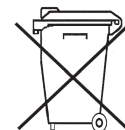
- Stray cats or other animals activate the light.
- Are bushes or trees heavily moving within the detection range?
- Wind with greatly varying temperatures may activate the motion sensor?

7. Technical Data

- Solar module: crystalline silicon (Kyocera) 1.3 Wp
- Illuminant: 6 Nichia LEDs (3 x cold white, 3 x warm white)
- Light color: 6500 K (cold white), 2800 K (warm white)
- Luminosity: 100 lm (summer mode or PIR) / 2,2 lm
- Protection type: IP 44
- Protection class: III
- Battery: 3 x NiMh 1.2 V/ 2000 mAh (Mignon, AA)
- Light ON time: max. 8 hours with a fully charged set of batteries
- Detection range motion detector: 120°/ 6 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.



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!

