

Operating instructions

Solar LED Pillar „Duo Power 2000“



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.: 102268

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 light captivates with its unique design and function. It has two powerful modules and two independent lighting systems. These can light up the whole night in the dark or be switched via the two built-in PIR sensors. Both sides can be operated independently. 2 x 20 super-bright LEDs are installed as illuminants. The built-in LiFePo battery is charged via two powerful monocrystalline solar modules (11 Wp and 9 Wp).

During longer periods without solar radiation, the battery is insufficiently charged to ensure constant operational readiness. However, this does not mean that the solar light is defective. Wait for the next sunny days, the lamp will function accordingly again.

The lamp is suitable for outdoor use all year round.

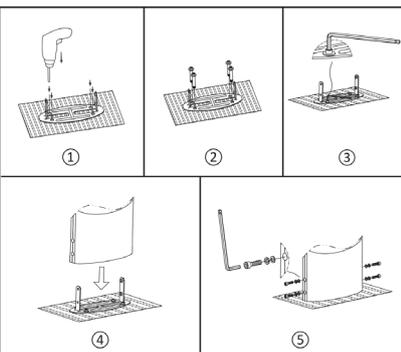
Extensive mounting material is included for safe mounting of the luminaire.

4. Mounting

1. Carefully remove the lamp and accessories from their packaging.
2. Various accessories are available for stable mounting. The solar light must be installed in a shady and sunny place.

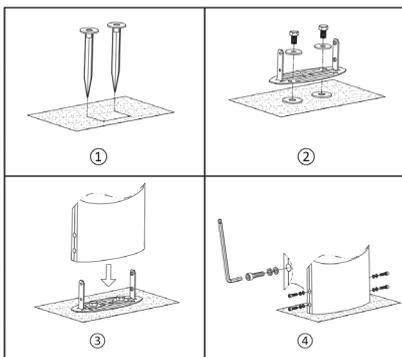
2.1 Mounting on solid ground (e.g. stone):

1. Take the mounting plate of the luminaire and mark the holes on the floor. Take a suitable drill with 10 mm diameter and drill the 4 holes with 70 mm depth.
2. Place the mounting plate on the holes and insert the 4 metal plugs into the holes.
3. Screw the mounting plate firmly to the floor with the 4 screws.
4. Place the lamp carefully on the mounting plate and make sure that the 4 holes in the lamp match the threaded holes of the base plate.
5. Now take the 4 screws with the washer and the snap ring and screw the lamp firmly to the mounting plate.



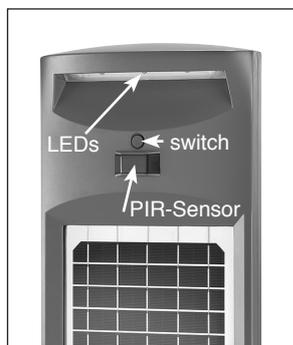
2.2 Mounting on soft ground (e.g. grass)

1. Take the two ground anchors and knock them firmly into the ground with a rubber hammer at a distance of 6 to 12 cm.
2. Now fasten the mounting plate with the two ground anchors using the two threaded screws.
3. Place the lamp carefully on the mounting plate and make sure that the 4 holes in the lamp match the threaded holes of the base plate.
4. Now take the 4 screws with the washer and the snap ring and screw the lamp firmly to the mounting plate.



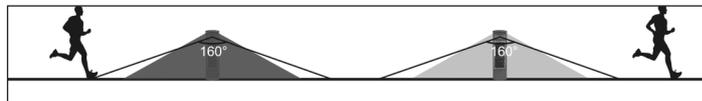
5. Commissioning

The luminaires on both sides can be switched independently of each other. The setting is made via the switch above the PIR sensor. The battery is also charged when the light is switched off.



1. switch press = sensor mode
2. switch press = twilight mode
3. switch press = off

Sensor mode:



When a movement is detected, the lamp lights up at full brightness (1000 lm per side). After 20 seconds without movement, the brightness is automatically reduced to approx. 150 lm.

Twilight mode: In darkness, the light switches on automatically and illuminates with 500 lm per side. The light is then automatically switched off again at dawn or when the battery is discharged. The PIR motion sensors have no function.

The solar light is now activated and ready for use!

6. Malfunctions

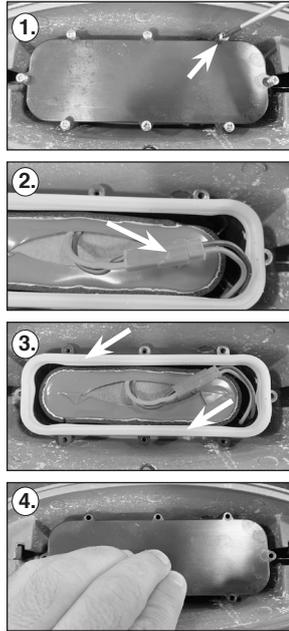
Lamp does not switch on in darkness

- An extraneous light source (e.g. street lamp) simulates daylight on the solar module and prevents the luminaire from switching on. Place the luminaire in a darker place!
- Battery depleted? Replace the battery!

7. Changing the battery pack

The battery pack should be replaced by an authorised specialist or by your dealer. The dealer should proceed as follows:

1. Switch off the light.
2. Turn out all 4 screws from the side of the lamp and remove the lamp from the mounting plate upwards.
3. Open the 8 screws on the battery compartment (figure 1) on the underside of the lamp and carefully remove the cover.
4. Release the connection of the battery pack (Fig. 2) and exchange the battery pack for an equivalent one.
Note: The plug is protected against reverse polarity. Please do not use force.
5. Now place the seal from the cover back onto the battery compartment (Fig. 3) and press the cover firmly back onto the seal of the battery compartment (Fig. 4).
6. Now insert the screws and tighten them again with a suitable screwdriver.
7. Mount the lamp again and select the desired mode.



Note: Used batteries or accumulators must be disposed of in an environmentally friendly manner and should not be disposed of with household waste. Your dealer is legally obliged to take back the old batteries.

8. Technical Data

- PIR sensor: 160°, range max. 10 m
- Illuminant: 20 LEDs on each side
- Light angle: 120°
- Light colour: 3000 K warm white
- Luminous intensity: Max. 1000 lm on each side
- Battery: LiFePo4 6.4 V/ 6000 mAh
- Protection class: IP 65
- Protection class: III
- Temperature range: -20°C to +45°C

Manufacturer/Importer:

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Internet: 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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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.

Battery Recycling:

- Used batteries or accumulators must be disposed in the domestic waste.
- The consumer is legally obliged to bring back old accumulators upon usage, e.g. to public waste collecting locations or to the place (shops, etc.) where those batteries are sold.
- Batteries that contain harmful substances are marked with the "strike through dustbin" and one of the chemical symbols.

