



b) Batteries/rechargeable batteries

- Please observe the correct polarity when placing batteries/rechargeable batteries into the unit.
- If you are not going to use the device for a while, remove the batteries/rechargeable batteries to prevent damage from leaking. Leaking or damaged batteries/rechargeable batteries can cause acid burns upon contact with the skin. Thus, you should wear protective gloves when handling damaged batteries/rechargeable batteries.
- Keep the batteries/rechargeable batteries out of the reach of children. Do not leave batteries lying around, as they may be swallowed by children or pets.
- Replace all the batteries/rechargeable batteries at the same time. Mixing old and new batteries/rechargeable batteries or mixing different batteries/rechargeable batteries in the device may lead to battery leaks and will thus damage the device.
- Do not dismantle batteries/rechargeable batteries, do not short-circuit them and do not throw them into fire. Never charge conventional, non-rechargeable batteries. There is a danger of explosion!

Operating instructions

LED outdoor spotlight with motion detector "Cadiz", 1 W

Item no. 1435591

Intended use

The product is intended to provide outdoor lighting. The built-in PIR sensor responds to temperature changes within the detection range (e.g., if a person enters the detection range) and activates the LED outdoor spotlight for a preset duration of time.

The operation of the product requires 3 batteries of the type AA/Mignon (not included, can be ordered separately).

For safety and approval reasons, you may not convert and/or alter the product. If you use the product for purposes other than those described above, the product may be damaged. Furthermore, improper use may cause risks such as short-circuits, fire, etc. Please read the operating instructions carefully and do not discard them. If you pass the product on to a third party, please hand over these operating instructions as well.

This product complies with the applicable National and European legal requirements. All names of companies and products are the trademarks of the respective owners. All rights reserved.

Package contents

- LED outdoor spotlight
- 2x screws
- 2x dowels
- Operating instructions



Up-to-date operating instructions

Download the latest operating instructions via the link www.conrad.com/downloads or scan the QR code. Follow the instructions on the website.

Explanation of symbols



The lightning symbol inside of a triangle is used when there is a potential risk of personal injury, such as electric shock.



An exclamation mark in a triangle indicates important instructions in this operating manual which absolutely have to be observed.



The arrow symbol is used to indicate where specific tips and information on handling should be given.



Observe the operating instructions!

Safety Instructions



Please read the operating instructions carefully and pay particular attention to the safety instructions. We do not assume liability for injuries/material damages resulting from failure to observe the safety instructions and the information in these operating instructions regarding the proper handling of the product. Furthermore, in such cases, the warranty/guarantee will be null and void.

a) General

- The product is not a toy. Keep out of the reach of children and pets.
- Do not leave packaging material lying around carelessly. It may become a dangerous plaything for children.
- The product is only intended for installation and use in outdoor areas. However, it must not be used in or under water, as this will destroy it.
- Only use the product when it is securely installed and steady. Never install or use the product on or inside vehicles.

Furthermore, pay attention to the correct mounting position; the PIR sensor must point downwards (see chapter "Preparation for the Mounting").

Attention, LED light:

Do not look directly into the LED light!

Do not look directly or with optical instruments into the light!

- Protect the product from extreme temperatures, direct sunlight, strong vibrations and combustible gases, vapours and solvents. Keep the product away from strong magnetic fields generated by machines, electric motors or loudspeakers.
- Never expose the product to mechanical stress.
- If safe operation is no longer possible, take the device out of service and secure it against unintended use. Safe operation is no longer possible, if the product:
 - has visible damage,
 - no longer functions properly,
 - has been stored under adverse ambient conditions for an extended period of time or
 - has been exposed to considerable strain during transport.
- Please handle the product carefully. The product can be damaged if crushed, struck or dropped, even from a low height.
- If you have doubts about how the product should be operated or how to safely connect it, consult a trained technician.
- Maintenance, adjustment and repair work may be carried out only by an expert or a specialist workshop.
- If you have any questions that are not answered in these operating instructions, please contact our technical customer service or another specialist.

PIR sensor function

The PIR sensor integrated in the exterior floodlight responds to temperature changes within the detection range, e.g., if a person or an animal, with a temperature different from the background, enters the detection range.

The range for detecting motion is determined by several factors:

- Mounting position (height)
- The temperature difference between the moving object and the background (ambient)
- The size of the object
- The distance of the object from the PIR sensor
- Direction and speed of the movement
- Ambient temperature (summer/winter)

The horizontal detection angle of the PIR-Sensor is 130°, the vertical detection angle 60°. The range depends on the above mentioned factors and is approx. 8 m.

Due to the operating principle applied, the detection of changes in temperature through glass is not possible. Thus consider selecting an appropriate mounting site.

Do not point the PIR sensor towards reflective surfaces (windows, water, or similar) or towards moving objects (such as a street with passing vehicles) either in order to avoid false alarms. Also do not point the PIR sensor's detection range towards sources or other lamps.

The recommended mounting height is 1.8 to 2.5 m; however, this will depend on local conditions.

The detection range can be altered by turning the PIR sensor. You can also attach an opaque cover (such as a piece of electrical tape) on the PIR sensor's diffuser lens in order to restrict the range of detection.

To ensure the best motion detection, you should install the LED outdoor spotlight in a way that the object to be detected is not approaching the PIR sensor, but rather passing the detection area from left to right or vice versa.

Preparation for the Mounting



Please observe the chapter "Safety Instructions"!

It is important to pay attention to the correct mounting position of the LED outdoor spotlight; install it only with the PIR sensor positioned on the bottom side. The arrow marking on the mounting plate must point upwards in a vertically direction.

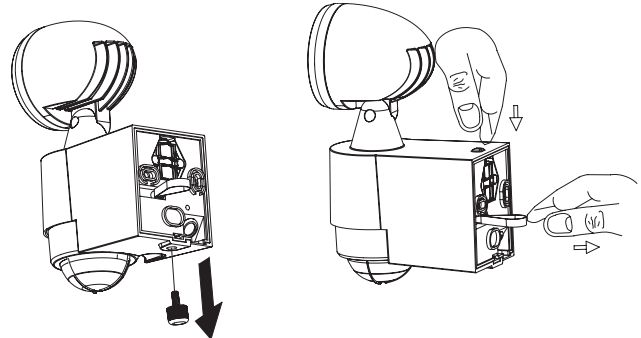
Install the LED outdoor spotlight only on a firm base, e.g., masonry. Use screws and, if necessary, screw anchors that are suitable for the surface.

The LED outdoor spotlight must be installed so that it is out of the reach of children.

Select the mounting height depending on the on-site conditions.

Mounting, installing batteries, starting operation

- Undo first the single screw on the bottom (A).
- After that keep the locking knob pressed (B) and pull out the wall holder by means of the strap (C).



- Attach the wall holder with four suitable screws and, if necessary, wall plugs to the wall (distance between the holes is approx 39.5 mm). The textile strap should be placed behind the wall mount here (do not cut!).



Pay attention to the correct mounting position of the wall holder! An arrow mark inside and outside on the wall bracket must point vertically upwards.



Pay attention when drilling and tightening the screws that no cables or pipes are damaged.

- Insert three type AA/Mignon batteries with the correct polarity into the battery holder inside the LED outdoor spotlight.

Take care that the textile strap in the battery holder is under the batteries. During a battery change, the batteries are easily removed from the battery holder with the textile strap.

A battery change is necessary when the brightness of the LED outdoor spotlight is considerably reduced. Then change the batteries quickly, because the empty batteries can leak and damage the product, resulting in loss of guarantee/warranty!

→ Please note:

It is possible to operate the LED outdoor spotlight with rechargeable batteries instead of batteries. However, due to the lower capacity of the rechargeable batteries and a lower voltage (rechargeable battery = 1.2 V, battery = 1.5 V), operating time is much shorter. Moreover, the rechargeable batteries are more temperature sensitive than batteries (e.g. in winter time).

We therefore recommend to use only high-quality batteries for operating the LED outdoor spotlight.

- Push in the locking knob of the wall holder (keep pressed) and put the LED outdoor spotlight with the correct orientation on the wall holder (PIR sensor facing down) until the locking knob clicks into place.
- Turn in again the screw, which was previously removed, at the bottom, so that the LED outdoor spotlight is fixed on the wall holder.
- To activate the LED outdoor spotlight, switch it on with the toggle switch at the bottom (switch position „ON“). The LED outdoor spotlight is now activated for a few seconds; then the light goes out and the LED outdoor spotlight is ready for use.

→ The light is automatically switched on depending on the preset switching threshold for ambient brightness. Please observe the information contained in the following two chapters.

Settings and Operation

→ When you turn the PIR sensor to the left while facing the PIR sensor, you will see two rotary knobs. They are used to set the on-time and the brightness threshold to activate the light.

a) Setting the On-time (Rotary Knob with Time Symbol)

Use this knob to set the duration for the power-on time (a duration of 10 ± 5 seconds to 30 ± 10 seconds can be set). Turning it to the left in a counter-clockwise direction will reduce the power-on time, while to the right in a clockwise direction will extend the duration.

→ If the PIR sensor detects a heat change again in the detection range within the on-time cycle, the power-on time will restart anew.

Only if no more heat changes are detected in the detection range during on-time will the LED outdoor spotlight go out.

b) Setting the switching threshold for the ambient brightness (rotary knob with sun/moon icon)

With this knob you can set the switching threshold for ambient brightness that enables the PIR sensor and turns on the LED outdoor spotlight in case of a heat change in the detection range.

Turning the rotary knob counter-clockwise to the left, in the direction of the moon symbol, means the PIR sensor is activated when it gets darker; turning it clockwise to the right, in direction of the sun symbol, activates the motion detector in brighter conditions.

c) Alignment of the PIR Sensor

The horizontal detection angle of the PIR-Sensor is 130° , the vertical detection angle 60° .

By turning the PIR sensor to the left or to right, you can adjust the horizontal detection range according to local circumstances.

→ An arrow marking on the front side of the PIR sensor indicates the centre of the detection angle. If the arrow on the front side of the PIR sensor points towards the arrow of the LED outdoor spotlight, the detection angle is centred.

d) Alignment of the Light Head

The light head can be rotated to the left or right and tilted up and down. In this way, you can set the area to be illuminated perfectly.

e) Switching the LED outdoor spotlight on/off

There is a toggle switch at the bottom of the LED outdoor spotlight. It has the following functions:

- Switch position "ON" (switched on)

The LED outdoor spotlight is switched on. If the ambient brightness is under the value set with the corresponding rotary knob, the PIR sensor will be active. If in this case the PIR sensor detects a change in temperature in the detection range (for e.g. when a person entered the detection range), the lights of the LED outdoor spotlight will be activated for the time period set with the rotary knob.

→ If the PIR sensor detects a heat change again in the detection range within the on-time cycle, the power-on time will restart anew.

Only if no more heat changes are detected in the detection range during on-time will the LED outdoor spotlight go out.

- Switch position "OFF" (switched off)

The LED outdoor spotlight is deactivated.

→ This switch position can be used when you do not need the LED outdoor spotlight for a longer period of time.

Functional Test

For a functional test for the switching threshold of ambient brightness turn the rotary knob all the way into the direction of sun icon. The knob for the power-on time should be in the base position (turn in a counter-clockwise direction all the way to the left until it stops).

Now cross the detection range. The light of the LED outdoor spotlight switches on, if the PIR sensor detects a thermal change within the detection range.

If you stand still (and the PIR sensor no longer detects a thermal change), the light should go out after a few seconds.

Care and Cleaning

- Never use abrasive cleaning agents, cleaning alcohol or other chemical solutions, since these could damage the enclosure or even impair operation.
- Use a dry, lint-free cloth to clean the product.

Disposal

a) Product



Electronic devices are recyclable material and do not belong in the household waste. Dispose of an unserviceable product in accordance with the relevant statutory regulations.

Remove any inserted batteries/rechargeable batteries and dispose of them separately from the product.

b) Batteries/Rechargeable Batteries

As the end user, you are required by law (Battery Ordinance) to return all spent batteries/rechargeable batteries; disposal of them in the household waste is prohibited.



Batteries/rechargeable batteries contain harmful materials and are labelled with the symbol shown to indicate that disposal in the household waste is forbidden. The symbols of the critical heavy metals are: Cd=cadmium, Hg=mercury, Pb=lead (the marking can be seen on the battery/rechargeable battery, e.g. underneath the refuse bin symbol shown on the left).

You can return your used batteries/rechargeable batteries free of charge at the official collection points of your community, in our stores, or at places where batteries or rechargeable batteries are sold.

You thereby fulfil your statutory obligations and contribute to the protection of the environment.

Technical Data

Operating voltage 4,5 V/DC (3 batteries type AA/Mignon)

Protection class III

Protection type IP44

LED illuminant 2 x 0.5 W

→ The light is permanently installed and cannot be replaced.

Luminous flux 80 lm

Light colour 5500 K (± 500 K), cold white

Angle of light beam 120°

Swivel range of the light 25° upwards, 40° downwards

Rotating range of the light 130° left, 190° to the right

Duty cycle adjustable, 10 ± 5 s 30 ± 10 s

PIR range up to approx. 8 m (see chapter „PIR sensor function“)

PIR detection angle 130° horizontal, 60° vertical

PIR rotation range $\pm 130^\circ$

Operation/storage conditions -20°C to $+40^\circ\text{C}$

Dimensions 66 x 109 x 176 mm (B x T x H)

Weight 360 g