

EN LED spotlight with
motion detector

theLeda E10 WH 1020911
theLeda E10 BK 1020912
theLeda E20 WH 1020913
theLeda E20 BK 1020914



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1. Basic safety information



WARNING

Danger of death through electric shock or fire!

- Installation should only be carried out by a qualified electrician!

- The LED spotlight with motion detector (PIR) conforms to EN 60598-1 if correctly installed
- Only intended for installation outside of arm's reach

Proper use

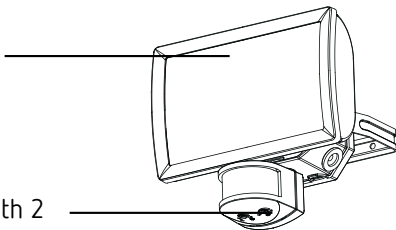
- LED spotlight is used for lighting, depending on presence and brightness
- Intended for wall mounting outdoors
- Suitable for corridors, gardens, entrances, parks etc.
- For use in normal ambient conditions

Disposal

Dispose of LED spotlight in an environmentally sound manner (electronic waste)

2. Description

LED spotlight



Sensor head with 2 potentiometers for setting time (min.) and brightness (lux)

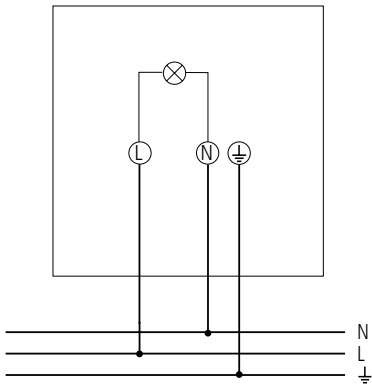
3. Connection



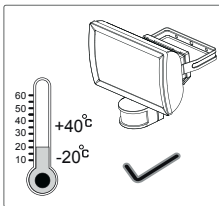
WARNING

Danger of death through electric shock!

- Disconnect power source
- Ensure device cannot be switched on
- Check absence of voltage
- Earth and bypass
- Cover or shield any adjacent live components

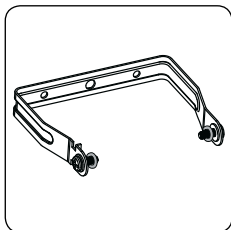


- Do not touch the metal parts. The device can get hot.

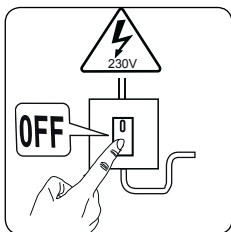


4. Installation

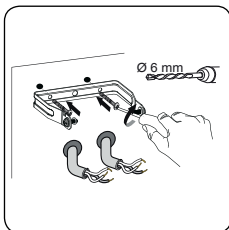
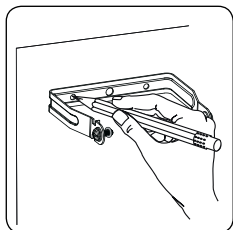
- Ensure installation height of 2.5 m.



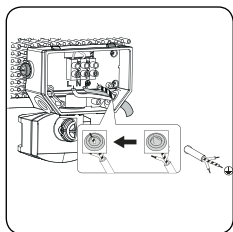
- Use the accompanying mounting bar for flexible installation and cable entry.



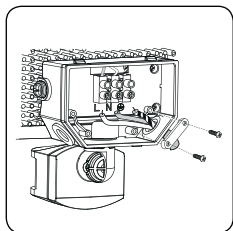
- Disconnect power source.



- ▶ Make marks for the holes and drill the holes.
- ▶ Tighten the mounting bar.

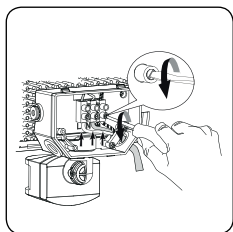


- ▶ Feed cable through the seal of the base.

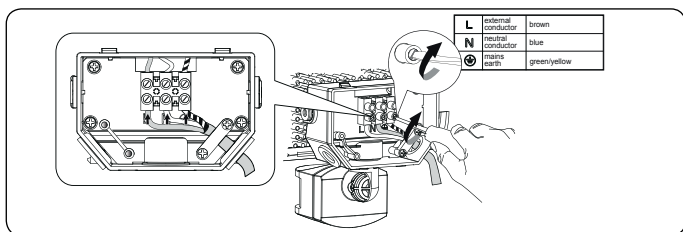


- ▶ Fix cord grip and tighten screws.

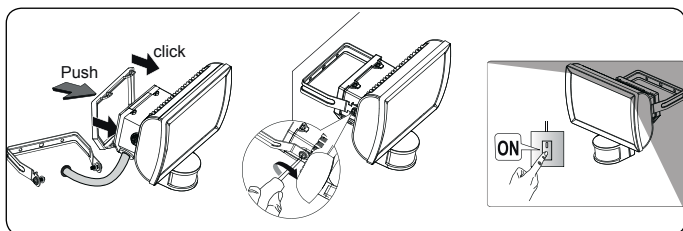




- Connect the individual wires to the appropriate terminal.



- Tighten screws.

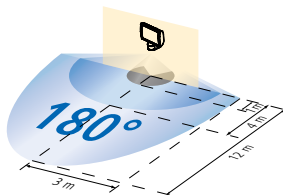
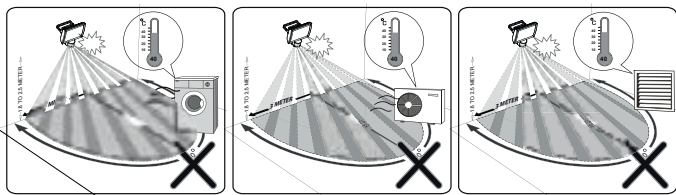


- Place and engage the cover on the LED spotlight.
- Place the LED spotlight on the mounting bar and tighten screws.
- Connect LED spotlight to mains.

Installation instructions

As the LED spotlight reacts to variations in temperature, avoid the following situations:

- Do not direct motion detectors (PIR) of the LED spotlight at objects with highly-reflective surfaces, such as mirrors etc.
- Do not install motion detectors near heat sources, such as heating outlets, air conditioning systems, lamps etc.
- Do not direct the motion detector at objects that move in the wind, such as curtains, large plants etc.
- Pay attention to the direction of motion during the test run.



- Transverse detection area: 12 m (transversal to the detector)
- Frontal detection area: 4 m (directly approaching the detector)
- Detection angle: 180 °

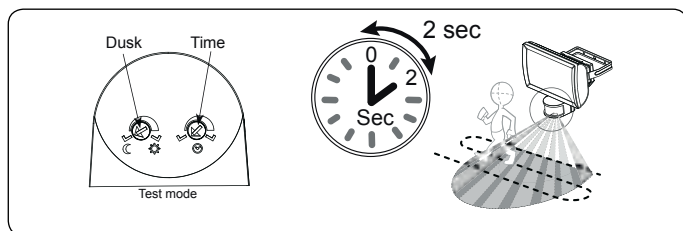
5. Walking test

The walking test is used to test the detection area and to restrict it if necessary.

- ▶ Turn the time potentiometer (min.) counterclockwise up to the stop.

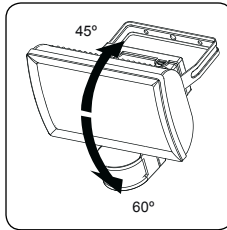
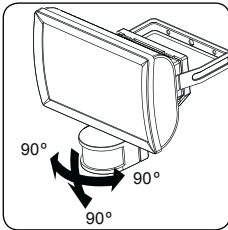
The motion detector now only reacts to movements (independent of brightness).

- ▶ Walk across the detection area. After the LED spotlight has detected a movement, it switches on for 2 s.
- ▶ Pay attention to the direction of motion during the test.



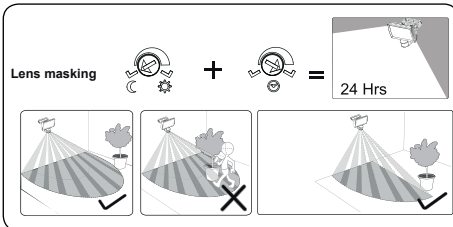
6. Alignment

- The sensor can be rotated to left/right and down by 90 °.
- The LED spotlight can be rotated up by 45 ° and down by 60 °.



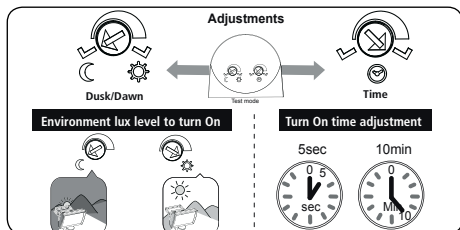
Limiting the detection area - using stickers

- Use the supplied stickers to adjust the motion detector to the desired detection area.
- Remove the required section of the sticker by using scissors.
- Then place on the lens.



7. Setting

The LED spotlight has 2 potentiometers for setting time (min.) and brightness (lux).



Setting the brightness (lux)

- ▶ Turn the potentiometer to „Moon“; the LED spotlight only switches on when it is relatively dark.



- ▶ Turn the potentiometer to „Sun“; the LED spotlight switches on when it is relatively bright.



- ▶ Turn the potentiometer to „Sun“, and the device works independent of brightness.



Setting the time (min.)

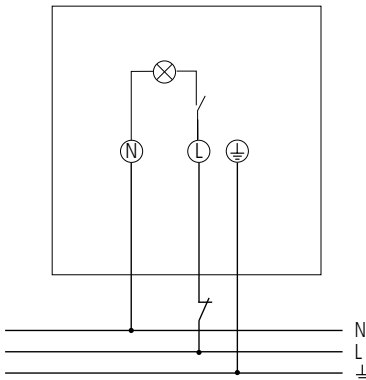
- ▶ Set the potentiometer to the desired time (5 s - 10 min.).



Manual operation

The lighting can be manually switched on/off via a circuit breaker button.

- ❶ The surrounding brightness must be below the set value!
- ❷ A circuit breaker button must be connected.



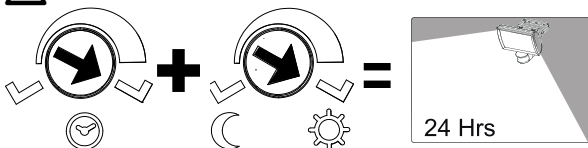
- ▶ Shortly press the circuit breaker button (max. 1.5 seconds)

- The lighting remains switched on, until the surrounding brightness exceeds the set value.
- ▶ In order to switch off the lighting, shortly press the circuit breaker button (max. 1.5 seconds).

Setting the twilight switch function

- ▶ Turn the time potentiometer (min.) clockwise up to the stop.
 - The twilight switch function is activated.
- ① Now, the motion detector does not respond to movements anymore.
- ① The connected spotlight switches on at the set surrounding brightness

⚠ CAUTION!



8. Technical data

- Operating voltage: 230 V AC $\pm 10\%$
- Frequency: 50–60 Hz
- Consumption with light ON:
 - theLeda E10: 10.3 W
 - theLeda E20: 17.7 W
- Standby output: max. 0.5 W
- LED output (luminous flux):
 - theLeda E10 WH: 750 lm
 - theLeda E10 BK: 685 lm
 - theLeda E20 WH: 1325 lm
 - theLeda E20 BK: 1260 lm
- Lamp type: LED 10 W, 20 W
(not dimmable)
- Protection rating: IP 55 in accordance with EN 60598-1
- Protection class: I in accordance with EN 60598-1
- Operating temperature: $-20\text{ }^{\circ}\text{C} \dots +40\text{ }^{\circ}\text{C}$
- Brightness setting range: 2 – 200 lx
- Duty cycle range: 5 s – 10 min
- Detection angle: 180°
- Detection area: transverse: max. 12 m;
frontal: max. 4 m
- Installation height: 2.5 m
- Sensor head can be rotated right/left, down by: $90^{\circ}, 90^{\circ}$
- Spotlight can be rotated up by: 45° and down by: 60°
- Energy efficiency class: A+



9. Contact

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