

## Assembly/operating instructions for SSC-LUXon motion detector KELEA

### 1. Intended use

This product: -can be installed indoors and outdoors -protection type IP54, suitable for use in damp areas -must not be exposed to strong mechanical loads or heavy soiling -may not be operated after damp or dirty storage until after a condition check -may not be changed or modified, otherwise the operating permit and conformity will expire with immediate effect! It is not allowed to remove the type plate.

▲ If the aforementioned points are not observed, a short circuit or electric shock may occur! **There is danger to life!**

### 2. General safety instructions

▲ The complete installation may only be carried out by an authorized electrician who is familiar with the applicable guidelines. Hereinafter referred to as „qualified electrician“.

▲ For safe handling of the product, the user must have read and understood the installation/operating instructions completely before using the device for the first time.

▲ The product may only be used if it is alright. If the device or parts of it are defective, it must be repaired by a qualified electrician.

▲ Only use lamps/light bulbs approved by the manufacturer. The maximum lamp power in watts must not be exceeded.

▲ This product is not a toy and is not allowed to be stored or used within the reach of children.

▲ Safe operation of the product is only guaranteed if these instructions are followed. Therefore, keep these assembly/operating instructions. SSC-LUXon GmbH accepts no liability if the instructions given here are not followed or the lamp is subjected to improper use.

### 3. Assembly & configuration

▲ **Caution:** The connecting cable must be disconnected from the power supply before starting work (switch off the main switch/fuse)! Only use parts which are supplied with the product or which are clearly marked as equipment! Otherwise the product may not be sufficiently safe!

▲ The cable routing shown in the illustrations is for simplified purposes only. They in no way represent a recommendation for connection! The connection may only be carried out by a qualified electrician.

▲ When drilling, pay attention to cables and gas and water lines.

#### 3.1 Assembly location

The product is suitable for mounting indoors & outdoors. Do not cover the product under any circumstances, especially not with insulating material!

### 4. Operation, faults & disorders

▲ **Caution:** Disconnect the connection cable from the power supply before starting work!

#### What to do in case of error?

In case of an error, the device must be switched off immediately. The product may only be operated if it works correctly. The device may only be put back into operation after it has been checked by a qualified electrician! **This is the case if:**

1. there is visible damage, 2. the product is not working correctly, 3. there is smoke, steam, or audible crackling noises, 4. overheating can be detected.

▲ **Caution:** There is a danger to life - repairs to the product or work on parts carrying mains voltage may only be carried out by qualified electricians.

#### Avoidance of disturbances and fire hazards:

It is not allowed to cover the product under any circumstances. Air circulation must be ensured. Nothing may be attached or hung on the product, especially no decoration.

### 5. Cleaning & care instructions

The product may only be wiped dry or carefully with a slightly damp and lint-free cloth. The product is not allowed to be removed for this purpose. Do not use abrasive or sharp objects or aggressive cleaning agents. Do not use solvents.

### 6. Assembly instructions KELEA motion detector

1. Disconnect the connecting cable from the power supply!

2. Remove the cover on the rear using a large flat-head screwdriver. Insert the screwdriver into the recess provided and carefully lever the cover out (turn) (Fig. 1)

3. Drill through the marked points on the cover (Ø 2–3 mm drill bit) – depending on where you want to install the motion detector: wall or ceiling mounting / on 90° corners / in 90° corners (Fig. 2). Tip: Hold the cover up to the light to see the markings more clearly.

4. Hold the back plate in the desired position, mark the drill holes and drill them. Feed the connection cable through the rubber seal (pierce the cable) and insert the dowels.

5. Screw the back plate to the wall or ceiling.

6. Connecting cables:

1. Power supply (input): connect to the luster terminal N (blue) and L (brown/black).

2. Outgoing line (output/load): connect to A (red) and N (blue). (Fig. 3)

▲ **Information about the cables:** Input = supply cable (power supply) - Output = consumer (e.g. lights) - The letters A, N & L are also marked directly on the luster terminal.

7. Adjust the sensitivity and lighting duration using the rotary controls on the underside (Fig. 4).

8. Place the motion detector on the back panel and press firmly until you hear a click indicating that it is locked in place.

9. Switch on the power supply – the motion detector is now ready for use.

### 7. Commissioning & start-up settings

1. First, set the time control (Fig. 4) to the shortest lighting duration by turning it fully to the left (approx. 10 seconds). Then turn the LUX control (Fig. 4) clockwise all the way to the right to the sun symbol. This ensures that the sensor also reacts in daylight – important for the first function test.

2. Now you can switch on the power. When switched on for the first time, the sensor needs about 30 seconds to become operational. During this time, it will not respond to any movement. After this, the lamp will switch on as soon as movement is detected. If no further movement is detected, the lamp will switch off automatically after approx. 10 seconds.

3. If you want the sensor to only react in the dark, turn the LUX control counterclockwise to the desired level. Now the sensor will only activate when it is darker (minimum ambient brightness below approx. 10 lux). Here too, the lamp switches off again after approx. 10 seconds as soon as no more movement is detected. Set the desired lighting duration on the time control (Fig. 4) (minimum 10 seconds to maximum 15 minutes).

▲ **Important:** If you want to test the sensor in daylight, the LUX control must be turned to the sun symbol, otherwise the lamp will not respond during the day.

### 8. Solutions to problems

**The load (e.g. lights) is not functioning:**

1. Check that all cables are connected correctly and that the main switch is turned on.

2. Please check that the load is correctly connected to the power cable and that it is fully functional.

3. Please check whether the sensitivity settings (LUX) may be set too low.

**The motion detector is not switching correctly:**

1. Check whether there is an obstacle in front of the motion detector that is preventing it from receiving the signals.

2. Please check whether the ambient temperature (-20° to +40°) is too high.

3. Please check whether the movement is within the maximum detection range (max. 12 metres).

4. Please check whether the installation height matches the height specified in the technical data.


5. Please check whether the motion detector has been set (rotated) so that it is aligned with the area to be detected.

**The load does not switch off automatically:**

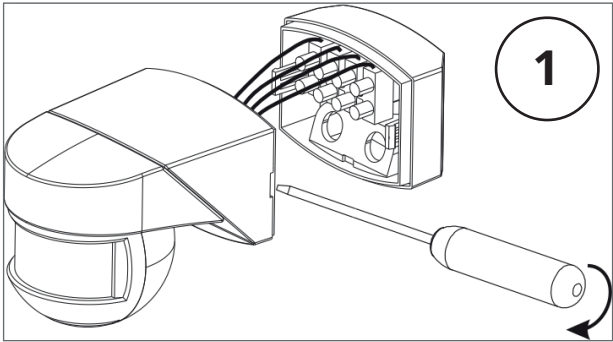
1. Please check whether there is a continuous signal in the detection field (moving trees, etc.)

2. Please check whether the time control (Fig. 4) is set to the maximum position; in this case, the time is set to 15 minutes.

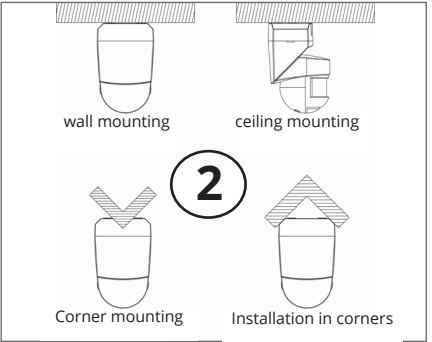
9. Technical data KELEA motion detector

 Can be used indoors and outdoors	Type:	Motion detector
	Model:	KELEA
	Protection type:	IP54
	Suspense:	220-240 V AC - 50/60 Hz
	Material:	plastic
	Max. detection angle:	180° + 360°
	Max. detection range:	12 meters
	Operating temperature:	-20° C - +40° C
	Protection class:	II
	Light duration:	10 sec. to 15 min.
	Power consumption max.:	2000 W (LED max. 1000 W)
	Installation height:	1,8-2,5 m / 2,2-4 m
	Colour:	White / black

10. KELEA motion detector installation diagram



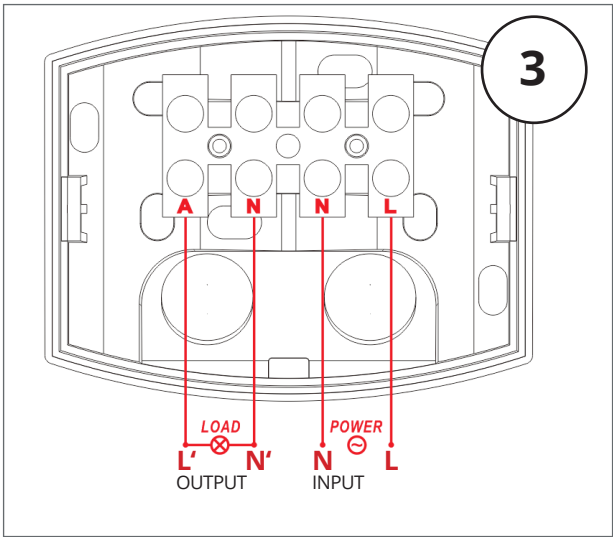
1



2

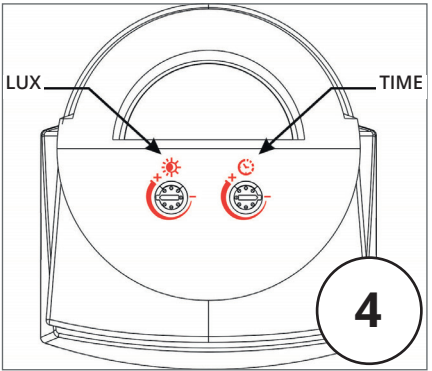
wall mounting ceiling mounting

Corner mounting Installation in corners




3

LOAD L' N' N POWER L OUTPUT INPUT



4


LUX TIME



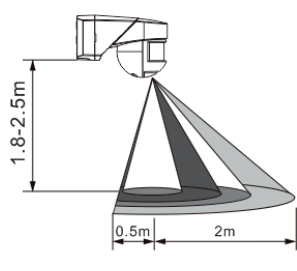
Instruction manual in German

Manuel d'instructions en français

[www.led-lichtraum.de/manuals](http://www.led-lichtraum.de/manuals)

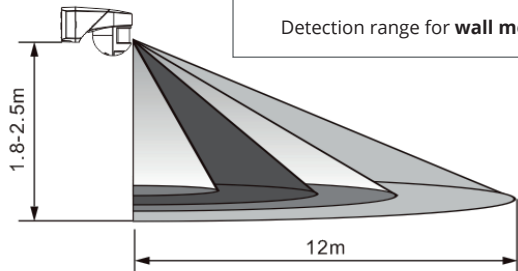


11. Sensor information & detection range



1.8-2.5m

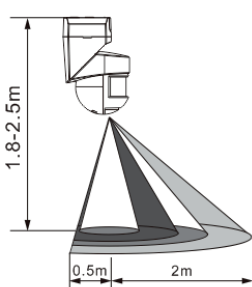
0.5m 2m



1.8-2.5m

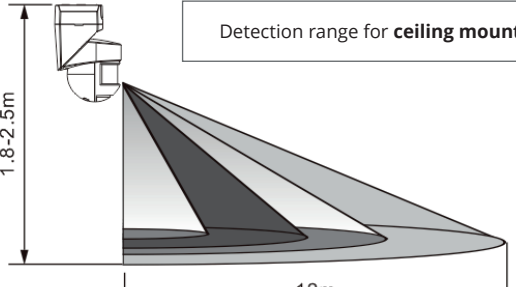
12m

Detection range for **wall mounting**



1.8-2.5m

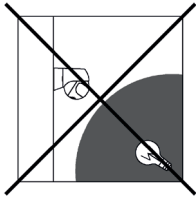
0.5m 2m



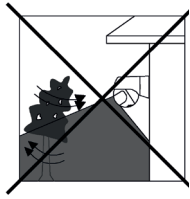
1.8-2.5m

12m

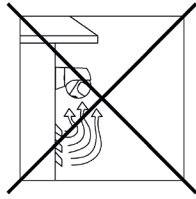
Detection range for **ceiling mounting**



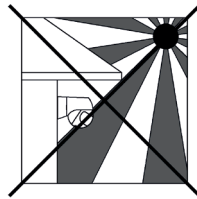
Avoid pointing the detector at objects with highly reflective surfaces, such as mirrors, lights, etc.



Avoid pointing the detector at objects that can move in the wind, such as curtains, tall plants, etc.











Avoid installing the detector near heat sources such as heating vents, air conditioning units, lights, etc.



Avoid direct sunlight on the sensor, as this can cause the movement to be detected incorrectly.

12. Notes / Explanations & Legend

Important information	Notes on indoor & outdoor use	Disposal instructions
 <p>Disconnect the device from the mains power supply before carrying out any work.</p>	<p>▲ <b>Protection class IP2x:</b> Use only indoors and in dry conditions, i.e. not in damp or dirty rooms and not in areas with high humidity.</p>	 <p>Please ensure that you dispose of packaging in accordance with the applicable guidelines of your local authority in a professional and environmentally friendly manner. Devices marked with a crossed-out wheeled bin symbol must not be disposed of with household waste! You are obliged to take these devices to one of the free collection points in your local authority area. For more information, please contact your local authority, the relevant town hall or a local or regional waste disposal company.</p>
 <p>Protection class II</p>	<p>▲ <b>Protection class IP4x, IP5x &amp; IP6x:</b> Can be used indoors and outdoors</p>	
 <p>Installation only by authorised electricians</p>		
 <p>Distance to illuminated objects min. 0.5 m</p>		
 <p><b>Are you satisfied with the product?</b> Then we look forward to receiving your product review in our online shop, on Amazon or eBay!</p>	 <p>Vers. 08/2025</p>  <p>Onlineshop: <a href="http://www.led-lichtraum.de">www.led-lichtraum.de</a></p>	<p>▲ <b>Keep packaging material and small parts away from children and animals. Choking hazard!</b></p>