

Assembly/operating instructions for SSC-LUXon universal rotary dimmer LUXARA – 990070768

The LUXARA dimmer is an intelligent, programmable device for controlling the brightness of LED light sources, halogen lamps powered by electronic transformers and incandescent lamps. The dimmer makes it possible to change the brightness of the lighting.

1. Intended use

This product is for lighting control purposes only and: may only be installed indoors -only be operated in dry rooms, i.e. not in damp rooms or rooms where there is a risk of dirt and in the area of high humidity -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.

▲ 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.

4. Operation, faults & disorders

▲ **Caution:** Danger to life! Repairs to the product or work on live parts may only be carried out by qualified electricians.

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

▲ **Thermal overload protection / overheating:** Operation at increased temperatures or voltages can cause the thermal protection circuit to activate. In this case, reduce the connected load to avoid a new overload.

▲ **Built-in short-circuit protection:** After activating the short-circuit protection, the dimmer interrupts operation for about 5 seconds and then switches on again. If a remaining short circuit or overcurrent is detected, the dimmer will interrupt operation until the power supply to the dimmer is disconnected and the dimmer is reset to normal operation. In this case, please have the circuit checked by an authorised electrician.

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.

Technical data universal rotary dimmer LUXARA – 990070768



Use only indoors

Type: Universal rotary dimmer for LED & Halogen

Model: 990070768

Voltage: 220-240V / 50-60Hz

Protection type: IP20

Material: Steel / plastics

Max. load: Halogen: 0-400 W - LED: 3-150 W (max. 15 pieces)

Connection cable: Max. 1,5 mm²

Operating temperature: 0°C - +45°C

Protection class: II

Measurements WxHxD: 71 x 71 x 25 mm

Installation in flush-mounted box: Ø 60mm

Colour: Silver

Notes / explanations & legend

Important information



Disconnect the device from the mains power before starting any work



Protection class II



Installation only by qualified electrician



Vers. 06/2019

Notes on use indoors & outdoors

▲ **Protection type IP20 & IP23:** Use only indoors and dry, i.e. do not use in damp or dirty rooms and in areas of high humidity.

▲ **Protection type IP44 & IP65:** Can be used indoors and outdoors.



Onlineshop:
www.led-lichtraum.de



Satisfied with your product?
Then we look forward to your product review in our online store, on Amazon or eBay!

Disposal instructions



Make sure to dispose packaging in accordance with the applicable guidelines of your local authority. Devices marked with the crossed-out waste garbage do not belong in the household waste!

You are obliged to hand in these devices at one of the free collection points in your municipality. You can obtain more information from your local authority, the relevant town hall or a local or regional waste disposal company.

▲ **Keep packaging material and small parts away from children and animals. Danger of suffocation!**

Assembly instructions for SSC-LUXon universal rotary dimmer LUXARA – 990070768

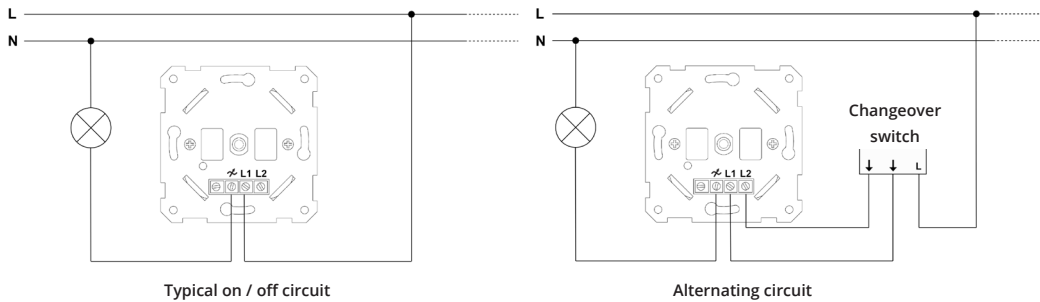
Suitable for phase cut-off or phase angle control. Minimum load 3W capacitive or resistive load, such as dimmable LED lighting, incandescent lamps, MV halogen or NV halogen lighting with electronic transformers.

Installation – assembly steps



1. The connection line must be disconnected from the power supply before starting work.
2. Connect the dimmer according to the wiring diagram.
3. Insert the dimmer into the flush-mounted box and tighten the screws so that the expanding clips can grip.
4. Refit the switch plate to the wall and place the dimmer knob on the shaft.
5. Switch the power back on. Press ON and dim with the rotary knob.

Installation – connection plan



Compatibility & compatible Loads

TEauto mode (phase section) – This mode is preset ex works



Dimmable LED lamps with compatible electronic transformer



Standard filament lamps or high-voltage halogen



Low-voltage halogen lamps with electronic transformer

LE mode (phase angle) – This mode must be set manually

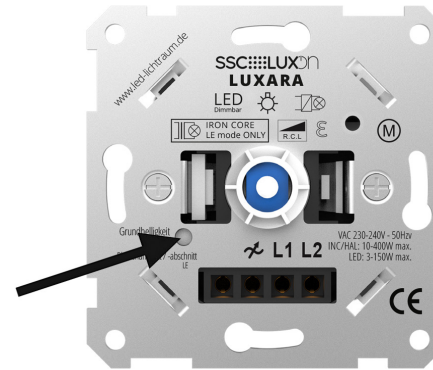


Low-voltage halogen lamps with magnetic transformer



Small motor loads such as ceiling fans

Configuration – setting the minimum brightness



1. Remove the front cover, switch on the lamps (press the pin once).
2. Press the „Options button“ (see picture) 7 times in quick succession.
3. The lights now light up 3 times – you are now in minimum brightness setting mode.
4. Turn the rotary knob / pin to set the desired minimum brightness.
5. Press the „Options button“ 5 times to save the setting.
6. The lights light up 3 times briefly, confirming that the setting was successful.

▲ Important: The setting must be made within 10 seconds. If it takes longer, the programme aborts without saving.

Configuration – switching between phase section & phase angle

▲ Important: The dimmer is delivered from the factory in TEauto mode (phase section), which is the correct mode for most LED lights. Please check beforehand in the list „Compatibility & Compatible Loads“ which mode is the right one for your lights.

Switching between LE mode (phase angle) and TEauto mode (phase section)

1. Remove the front cover, switch on the lamps (press the pin once).
2. Set the brightness to the maximum level.
3. Press the „Options button“ (see picture) briefly for 3 times until the light changes to the minimum brightness.
4. The light flashes three times – The mode has been changed successfully

▲ NOTE: When connecting to iron-core transformers or motor loads, only LE mode (phase angle control) can be used. TEauto mode must not be used in this case. See „Compatibility & Compatible Loads“ list

Important information



Disconnect the device from the mains power before starting any work



Protection class II



Installation only by qualified electrician



Vers. 10/2023

Notes on use indoors & outdoors

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▲ Protection type IP44 & IP65: Can be used indoors and outdoors.



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