



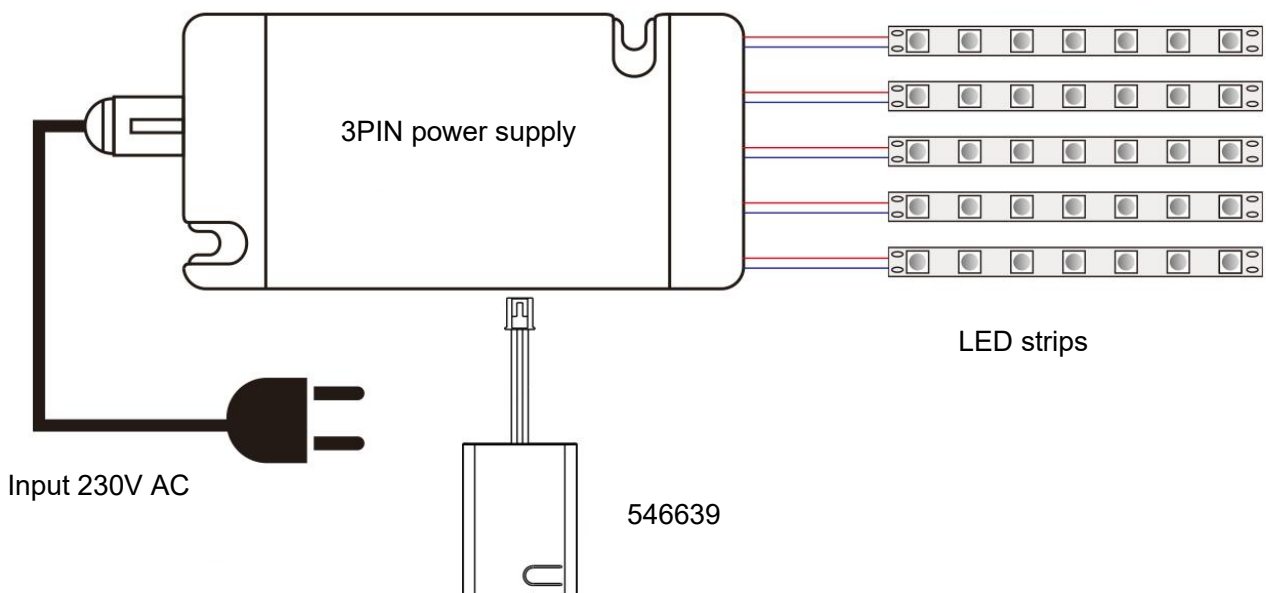
546639 StrongLumio receiver for wireless self-powered switches

12/24V 3PIN

1. Product overview

The device is meant for wireless control of single-colour LED lighting with an input voltage of 12–24 V, used in combination with a 3PIN power supply and compatible switches. Once paired, the LED strips can be switched on, switched off, and dimmed remotely.

Use the device only according this user manual. Do not disassemble or modify the product in any way. Store and use the appliance only in a dry indoor environment or in an area protected from weather conditions. It is not suitable for use in exterior.



2. Technical parameters

Parameter	Value	Parameter	Value
Model	546639 / ERC3101	Radio frequency	RF 433 MHz
Power supply	12V/24V	Range	50 m w/o obstacles, 25 m indoors
Dimming	Yes, PWM, 5-100 %	Memory	Max 10 switches
Operating temperature	-20 °C ~ +40 °C	Protection	IP20
Operating humidity	5%-85% RH	Certification	CE, RoHS

3. Product functionality

3.1. Pairing with the Kinetic Switch

Press and hold the pairing button on the receiver for about 3 seconds. The red indicator light will start flashing slowly (once per second) to indicate the pairing mode. At this moment, shortly press the button on the switch — the switch is now paired with the receiver. When pairing a new push-button switch, the default brightness level is set to 50%, and in the case of a door switch, to 100%.

3.2. Operation and Functions

Press the switch button briefly to turn the light on or off. The receiver supports dimming — press and hold the button to smoothly adjust the brightness. The first long press after turning on increases the brightness. After releasing and pressing the button again for a long time, the brightness decreases. Repeating this action alternates the direction of adjustment. When paired with a door switch, the light turns on when the piston is released from the pressed position. If multiple door switches are paired with one receiver unit, the light turns on when the first door is opened and turns off when the last door is closed.

3.3. Power Failure Memory

If the device is disconnected from the power supply, it will restore the previous settings once power is restored.

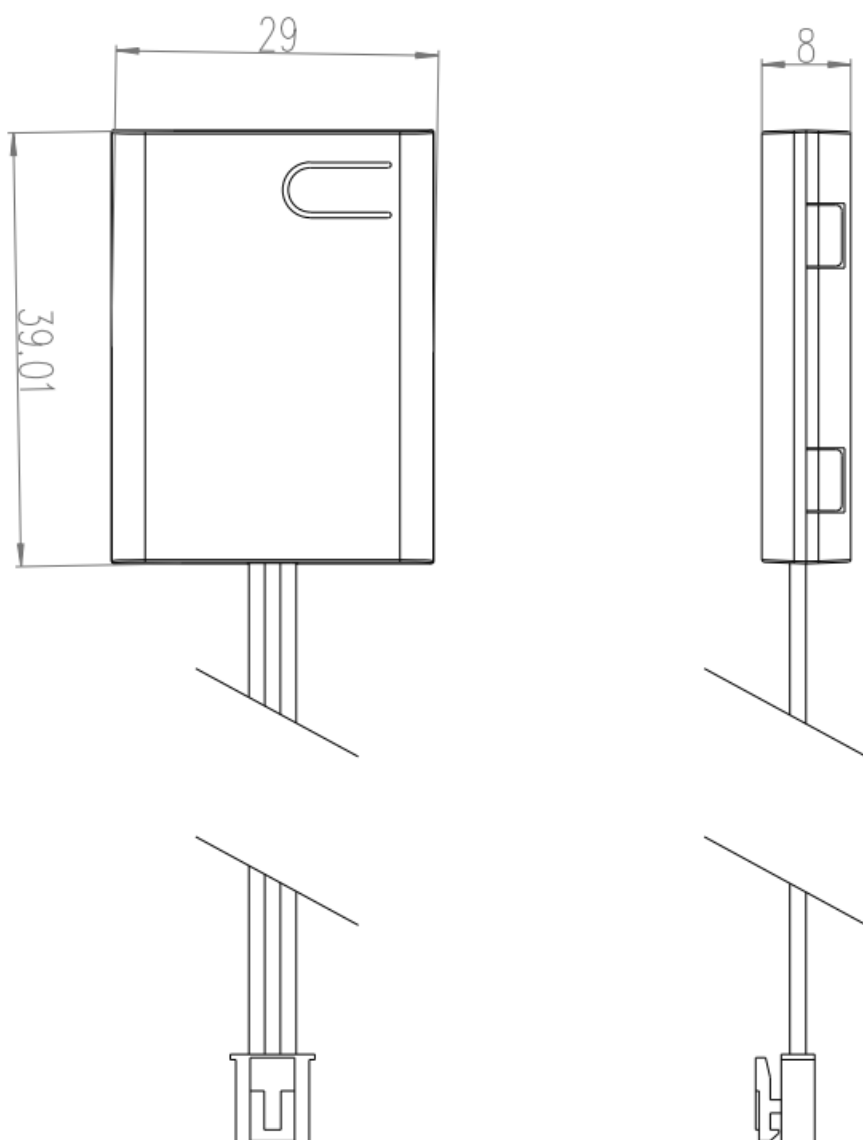
3.4. Night Mode

When the light is off, press and hold the switch button for 2 seconds — the light will turn on at 5% brightness, regardless of the level stored in memory. Press the button shortly again to turn the light off. A normal power-on operation restores the last saved settings (those set outside night mode).

3.5. Erasing the Receiver Memory

Press and hold the pairing button for 6–8 seconds. The indicator light will turn on steadily and then turn off. At that point, release the button — all paired switches will be deleted from the receiver's memory.

4. Dimensions



Producer: Démos trade, a.s.
Škrobálkova 630/13
718 00 Ostrava-Kunčičky
Czech Republic

