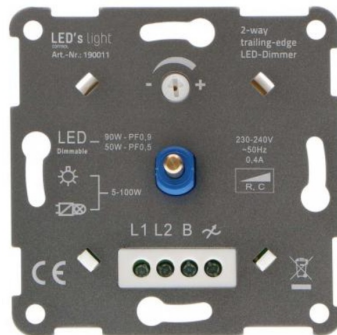


LED s light 190011 2 Way Trailing Edge LED-Dimmer User Guide

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LED s light 190011 2 Way Trailing Edge LED-Dimmer User Guide



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important!

It is dangerous if people without proper training work on an electrical installation. These should only be carried out by a qualified electrician.

This dimmer must be protected on the installation side with a circuit breaker that complies with the regulations.

Warning : electrocution hazard

There may be a dangerous voltage at the output of the dimmer!
When working on the wiring always switch off the mains voltage. Failure to observe this warning may result in death or serious injury.

Thermal/overload protection



Integrated thermal protection circuit. At a dimmer internal temperature of 120°C
The over-temperature protection is triggered and remains activated until the temperature drops down to approximately 90°C. If this happens more often, please reduce the load.



Note:
Operating at elevated temperatures or voltages may activate thermal protection.
In this case reduce the connected load to avoid this again.

Properties

- Suitable for ON / OFF or AC switching
- Minimum load 5W with capacitive or resistive load such as dimmable LED lighting, incandescent lamps, high-voltage halogen and low-voltage halogen lamps with electronic transformer.

Electrical specifications

Parameter		Values	
Voltage frequency		220-240V ~ 50Hz	
maximum load		LED: 5-150W Max.	HAL/INC: 10-300W Max.
Dimming technology		trailing edge	
			Dimmable LED lamps with compatible electronic driver

trailing edge compatible load		Standard filament lamps, High-voltage halogen lamps
		Low-voltage halogen lamps with electronics driver
operating temperature	0° – 45°C	
Allowed humidity	10-90% R.H.	
compatibility	suitable for EU switch-mounting boxes	
safety standard compatible	IEC EN 60669-2-1 : 2013	
EMC standard compatible	IEC EN 60669-2-1 : 2002 + A1: 2008 + A2:2015	

- Soft-start operation to extend the life of the lamps.
- User setting for the lower brightness value.
- Built-in thermal cut-out to protect the dimmer at high operating temperature caused by overload.
- Meets CE and international safety standards.

Normal operation

Press knob to turn ON / OFF.



Turn the knob to the right to increase the brightness to the maximum value.
Turn the knob to the left to reduce the brightness to minimum.

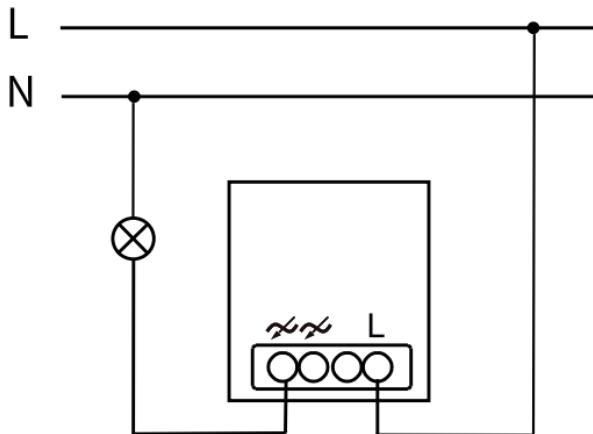
Wiring details

1. Disconnect the power supply and secure it against reconnection.
2. Remove the existing wall switch.
3. Connect the dimmer according to the wiring diagram below.
4. Mount the cover frame and put the dimmer knob on the shaft.

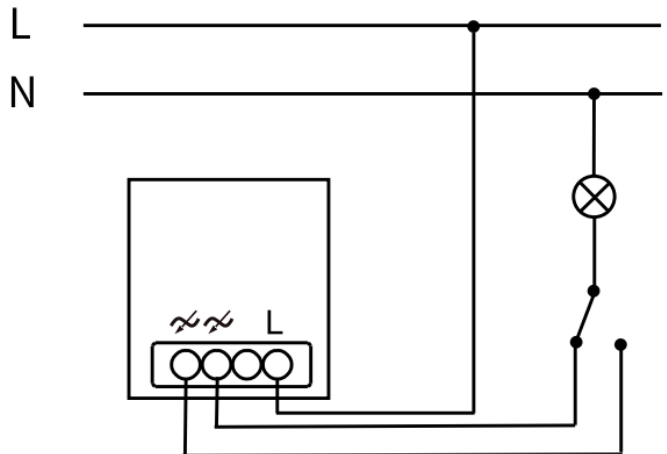
5. Turn power back on and test dimmer function.

Note:

The dimmer must always be connected to the phase side of the load. Dimmers **MUST NOT** be connected in parallel or in series to a load.



ON/OFF switch circuit:



2-way switch circuit:

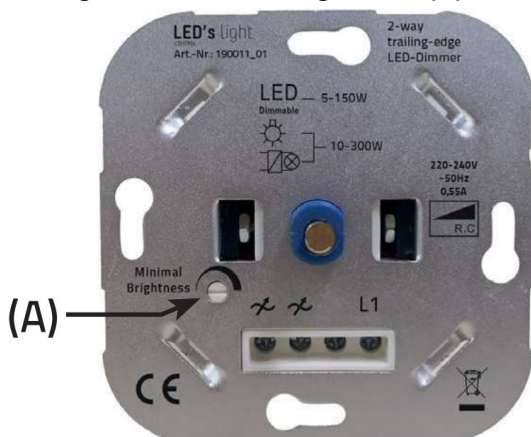
Problems with dimming? For example:

- flickering
- Occasional brightness fluctuations
- Lamp at lowest dimming level too bright

Setting the minimum brightness usually leads to a perfect dimming result.

Remove the front panel cover, turn on the lamp (full brightness) turn the button „Min. brightness (A)“ to adjust the brightness down to the desired level of the basic brightness.

Setting the minimum Brightness (A) to avoid flickering of connected loads, or just to set your preference.



Notes on Disposal



The product is designated for separate collection at an appropriate collection point. Do not dispose of the product with household waste. For more information, contact the retailer or the local authority responsible for waste management.

Care

Before cleaning the unit, disconnect it, if necessary from other components; do not use aggressive cleaning agents. The unit has been carefully checked for defects. If nevertheless you do have cause for complaint, please go back to the retailer where you have bought the product together with your proof of purchase. We are not liable for damage arising from incorrect handling, improper use or wear or tear. We reserve the right to make technical modifications.

Safety

General Safety

Read the manual carefully before use. Keep this manual for future reference.

Only use the product for its intended purposes. Do not use the product for other purposes than described in the manual.

Do not use this product if any part is damaged or defective. If the product is damaged or defective, replace the product immediately.

This product shall not be used by children without the supervision of an adult. Children shall not play with the device.

Do not modify the product in any way.

Do not expose the product to water or moisture. (IP 20)

Do not immerge the product into water. (IP 44 – IP 67)

Keep the product away from heat sources.

Do not block the ventilation openings.

Do not look directly into the LED lamp.

Keep a minimum distance of 1 meter between the lamp and the surface being illuminated.

Electrical safety

To reduce risk of electric shock, this product should only be opened by an authorized technician when service is required.

Do not use the product if the cable or plug is damaged or defective.

When damaged or defective, it must be replaced by the manufacturer or an authorised repair agent.

Before use, always make sure that the voltage is the same as the voltage on the rating plate of the device.

Make sure that the cable does not hang over the edge of a worktop and cannot be caught accidentally or tripped over

Warning

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

Caution, risk of electric shock.

The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire has to be destroyed.

Disclaimer

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Documentation


The product has been manufactured and supplied in compliance with all relevant regulations and directives, valid for all member states of the European Union. The product complies with all applicable specifications and regulations in the country of sales.

CE declaration

This product complies with the following directives:

LVD: 2014/35/EU
EMC: 2014/30/EU
RoHS: 2011/65/EU

Documents / Resources

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References

-  [Home | Shada.nl](#)