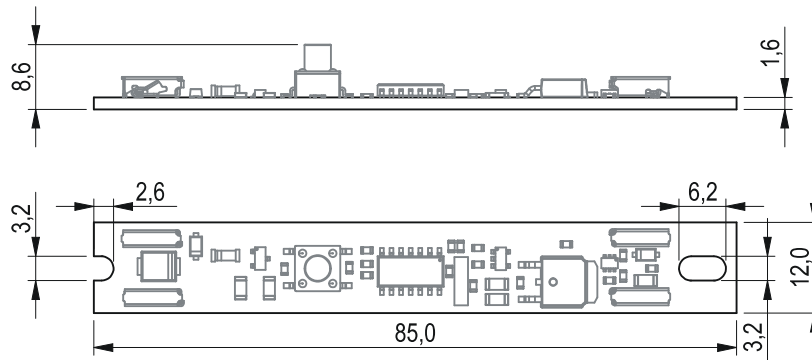


LED DIMMER

Drawing



Technical data

Input voltage	24V / 48V
Current output	350mA / 700mA*
Ambient temperature range	-25 ... +45 °C
tc	85 °C
Standby current consumption	3mA
Min voltage dropout	0.6V
Max power loss	2W**
Control type	Linear
Type of protection	IP00

*Other currents available on request

**The method of calculation is set out below

Product details

- Flicker-free
- Switching on with a button
- Minimalist sizes
- Noise free
- 5 years guarantee

LED DIMMER

Product description

The single-button dimmer controller is a user-friendly device designed to regulate the brightness of LEDs. With its single-button operation, users can easily toggle the light on or off with a short press, and smoothly adjust the brightness with a long press. This versatile controller ensures a comfortable and visually pleasing lighting experience, making it ideal for both residential and commercial applications. The compact design allows for easy integration into existing lighting systems.

Functions

You can control turning the light on and off, as well as adjust its brightness using a button.

To turn the LED light on or off, press the button briefly. The controller remembers the previous settings when the device is turned back on.

To adjust the brightness, press and hold the button until you reach the desired light intensity, then release the button.

Thermal details

Temperature has a great influence on the lifetime of controllers. Exceeding the permissible temperatures can significantly shorten the life of the module or even lead to its destruction. It is necessary to verify compliance with the maximum allowable temperature at the reference point under stable operating conditions. The maximum value should be determined based on the application-specific worst-case conditions. Both reference point temperatures (t_c and t_p) are measured at the same location.

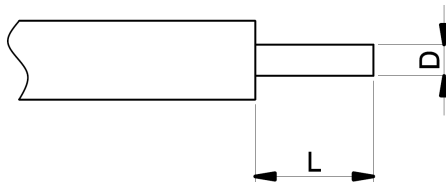
Power loss calculation

I_{out} - Current output

$$P_{loss} = I \cdot (U_{we} - U_{wyj})$$

Wiring type and cross section

The wiring can be in stranded wires or solid with a cross section of 0.2 to 0.75mm².



D - wire cross section	Min	Max
	0,2mm ²	0,75mm ²
L - strip length	Min	Max
	7,5mm	9,5mm