

Constant current  
LED dimmer switch

KLD61

**Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!**

Temperature at mounting location:

-20°C up to +50°C.

Storage temperature: -25°C up to +70°C.

Relative humidity:

annual average value <75%.

DC constant current source for LEDs up to 1000mA or 30 watts. Standby loss 0.1 watt only. With adjustable minimum brightness and dimming speed. With switching operation for children's rooms and snooze function.

For installation.

45 mm long, 55 mm wide, 18 mm deep.

The nominal output current can be set with a jumper on the circuit board:

no connection: 350 mA;

flush right (Pin 2-3 connected):

700 mA;

flush left (Pin 1-2 connected):

1000 mA.

Factory settings 700 mA.

The input voltage ranges from 12V DC to 36V DC maximum.

The input voltage must be selected to the sum of the LED at the output voltage, so that the current control can operate. This deviation must be at least 6 volts.

The total power output current x output voltage should not exceed 30 watts.

A pulse resistant DC power supply unit is required, which provides the necessary voltage and required current of the LED light(s).

**Universal control voltage input 8 to 230V UC**, electrically isolated from the 230V supply voltage and switching voltage.

Short-time control commands switch on/off, permanent control varies the

brightness to the maximum level.

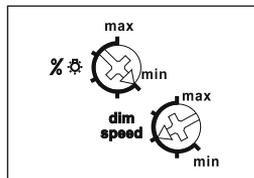
An interruption of control changes the direction of dimming.

The setting of the brightness level is stored after switching off (Memory).

In case of a power failure the switching position and the brightness level are stored. If applicable the dimmer will be switched on at the stored brightness level after the supply voltage is recovered.

Automatic electronic overload protection and over-temperature switch-off.

### Function rotary switch



The flashing of the LED as soon as a new setting range has been reached when turning the rotary switch helps to find the desired position reliably.

The minimum brightness (fully dimmed) is adjustable **with the upper %⚙️ rotary switch**.

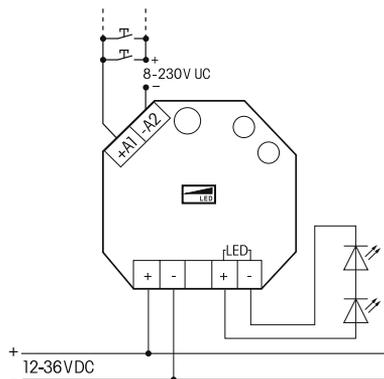
The dimming speed can be adjusted **with the lower dimming speed rotary switch**.

### Switching operation for children's rooms:

If the light is switched on by holding down the pushbutton, it starts at the lowest brightness level after approx. 1 second and dims up slowly as long as the pushbutton is held down without modifying the last stored brightness level.

**Snooze function:** With a double impulse the lighting is dimmed down from the current dimming position to the minimum brightness level and switched off. The current dimming position as well as the adjustable minimum brightness level determine the dimming time (max. = 60 minutes) which can be reduced as required. It can be switched off at any time by short-time control commands during the lighting is dimmed down.

### Typical connection



### Technical data

Voltage	12-36V DC
Current	350, 700, 1000 mA
Power	max. 30W
Max./min. temperature at mounting location	+50°C/-20°C
Standby loss (activ power)	0.1W



The strain relief clamps of the terminals must be closed, that means the screws must be tightened for testing the function of the device. The terminals are open ex works.

### For later use!

We recommend the housing for operating instructions GBA14.

### Eltako GmbH

D-70736 Fellbach

+49 711 94350000

www.eltako.com