



Manual for joystick dimmer / Laborlux LED lamp

This dimmer is built for use with the LED rebuild for the small lamphouse of Laborlux microscopes.
The dimmer needs 5 volt, via USB micro cable for operation.



The USB cable needs to be connected at point 1 (see image)

The LED lamp cable goes in connection 2

From the moment the USB is powered, you can switch the dimmer on with the rocker switch 3 on the side of the unit. In the left corner is a tiny pilot lamp to indicate the on position. (4)

With the lever switch (joystick) 5 can the light intensity be changed by holding or “pulsing” the lever in the up direction to increase the intensity or in down direction to decrease the intensity.

The lever wants to jump back in the neutral position and at that point will keep the last set intensity .

Details:

The memory cell inside keeps the last setting for about 6 hours, and gradually overnight loses this value until (far below) zero

When the dimmer gets switched on the next day (time) it will take about 10 seconds holding the lever in the up position to get the first LED light again.

For this reason is button 6 mounted, this is a quick reset to a preset intensity, so first switch on 3 and a push on the button 6 will charge the memory cell immediately. (and LED light is on immediately too)

This button 6 can also be used to quickly return to the preset position from a high intensity

The regulating curve is semi parabolic, with a hysteresis , you have to try it a few times to find this is rather simple in use.

**DO NOT STARE IN THE BEAM OF A HIGH POWER LED
CHANCE ON EYE DAMAGE**

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