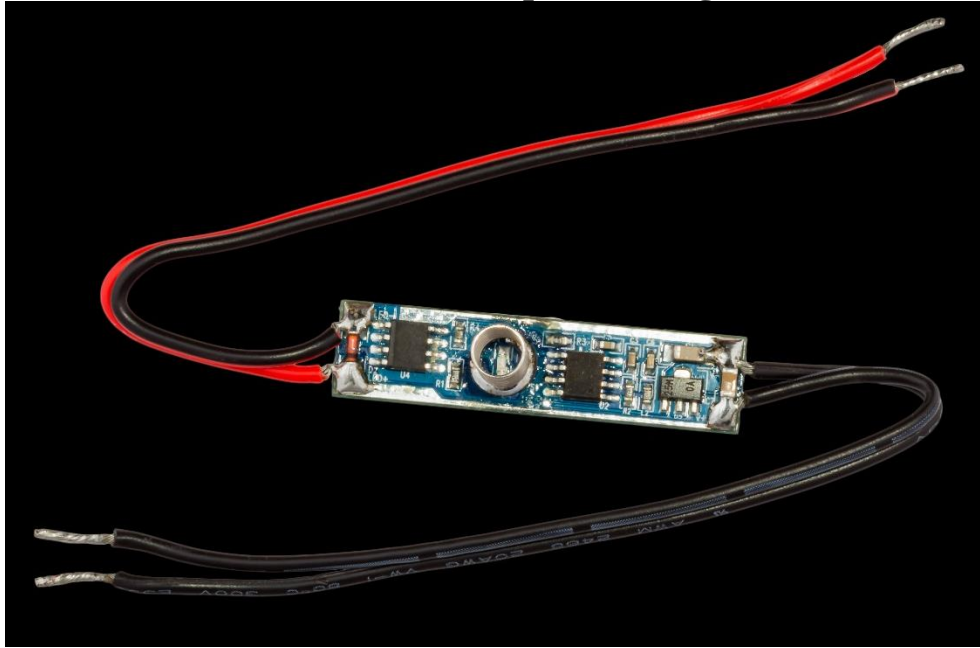


Mini Touch Dimmer for LED Channel

Part number: **dim-pro-mini-light**



The Mini Touch Dimmer for LED Channel is a compact dimmer switch designed for use with LED channel lighting. It slips into the channel along with Single-Color LED strip light to provide touch control of on/off and dimming functions. The touch sensitive area is illuminated by a small blue LED so you can always find the control surface, even in the dark.

Features

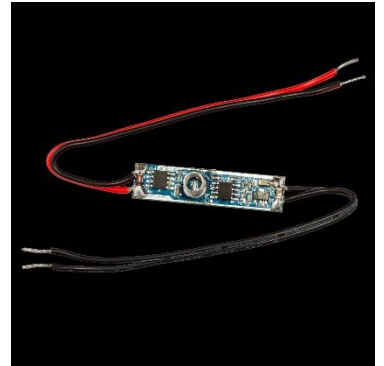
- Provides easy on/off and dimming touch control for LED channel lighting.
- Miniature size allows it to be mounted inside channel for a seamless look.
- Blue LED indicator softly illuminates the touch area for ease of use.
- Easy to install.
- Works with Environmental Lights Single Color LED strip light that uses 12-24V DC.
- Supports up to 3A of current.
- Does not require any additional batteries or controller.
- May require a spacer for deep channel, the spring must make contact with the diffuser.

Applications

- Lighting where an external switch or controller would be unsightly or difficult to place.
- Small projects that require a compact and economical dimming solution.
- Custom projects.

Specifications

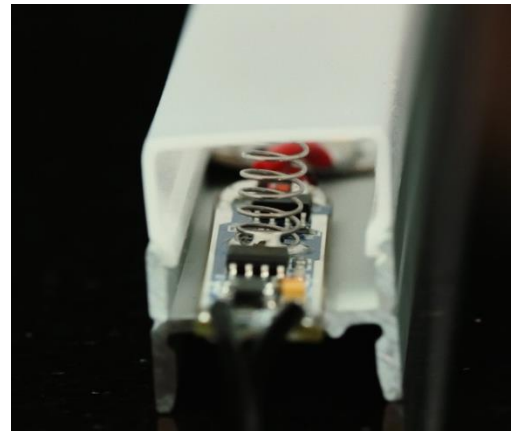
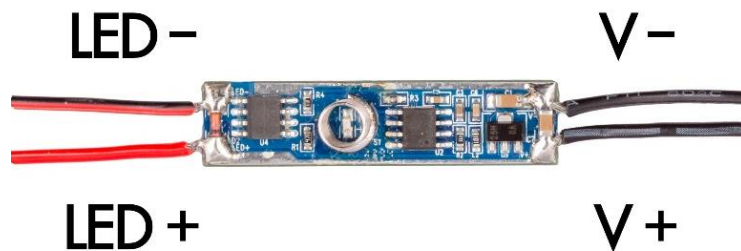
Dimensions:	1.65" x 0.39" x 0.18" 42 mm x 10 mm x 4.5mm
Channels:	1
Input voltage:	12 or 24 Volts DC
Max. current load:	3A
Max. output power:	36W/72W (12V/24V)
PWM frequency:	125 Hz



Operating Instructions

Install the LED strip light after connecting the LED input power wires to the LED+ and LED- wires on the dimmer. The connections need to be soldered or made with small enough connectors to fit inside the channel. The dimmer should be as close as possible to the LED strip light to minimize the dark space between the two.

1. Connect the V+ and V- wires to your 12 or 24V DC power supply. **Use the appropriate voltage for the LED lighting you are using (12 or 24V).**
2. Place the dimmer inside the channel at the end of the strip light. The built in spring should be pressed against the inside of the diffuser to secure the dimmer.
3. Apply power. A small blue light will illuminate a spot on the diffuser. Touching this spot will turn the light on and off. Hold your finger on the spot to adjust brightness up or down on alternating touches.



Safety Precautions

Please take the following precautions:

1. This equipment, like all electrical equipment, should be installed by a qualified person.
2. Do not expose these LEDs, dimmers or power supplies to intense electro-magnetic fields, including lightning.
3. The controllers and power supplies are not waterproof. Keep them dry.
4. Always observe proper polarity.

When installing LED lighting, it is a good idea to follow this “dry-run” procedure:

1. Be sure you have everything you need before you start.
2. Lay out your lights and power supply on the floor or table.
3. There is some resistance in the LED lighting. If you see any color fading or dimming at the end of a long run, you may have too many LEDs for your power supply and you might need a bigger supply or shorter runs. Use a bus structure as described in [rgb_manual.pdf](#). Call if you need assistance with larger projects.
4. Connect everything and test it to be sure it works and you have it connected properly. It is unlikely, but possible, that some part of your system is defective or was damaged during shipment. If that is the case, it will be very helpful to you to know that before you do all the work involved in installing custom LED lighting systems. You will also know if you damage anything during installation, which is really helpful in trouble-shooting because manufacturing defects and installation damage typically have very different solutions.

Once you have tested the system successfully, you are ready to install it. We recommend you install LEDs, electronic controls and dimmers in such a way that you have access to them in case they fail. All electrical components can fail.