User Guide

1 Channel 0/1-10V LED Dimming Driver (Multi-level constant current)

The 0/1-10V LED dimming driver is designed with 1 channel 0/1-10V input and 1 channel PWM constant current output, select 8 level output current from 350mA to 1750mA by dip switch. 0%-100% dimming range via logarithmic characteristic can be very comfortable for human eyes. 256 levels of grey scale enable the LED dimmer to adjust brightness softly and smoothly without any flickering. Besides 0/1-10V signal, the dimming driver can be controlled by push switch and potemtiometer as well.

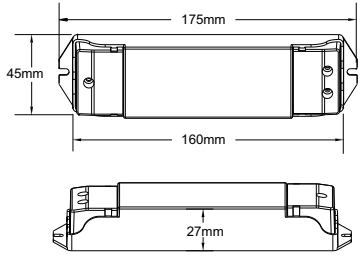
Feature

- 1 channel 0/1-10V LED dimming driver with push-dimming function.
- Select 8 level output current from 350mA to 1750mA by dip switch.
- 0~100% dimming range via logarithmic characteristic can be very comfortable for human eyes.
- Smooth dimming without any flickering.
- Compatible with active or passive 0-10V, 1-10V dimmer, can solve the fluorescent lamp dimming system compatible with LED lighting.

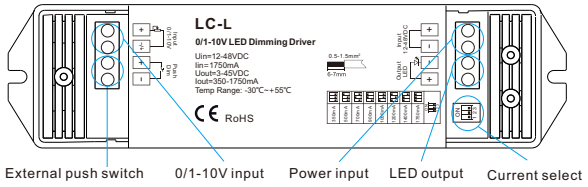
Technical parameter

Model	Name	Input voltage	Output voltage	Output current	Output power
LC-L	0/1-10V and Push-dim CC dimming driver	12-48VDC	3-45VDC	350,500,700,900,1050, 1200,1400,1750mA (DIP switch select)	3-78W

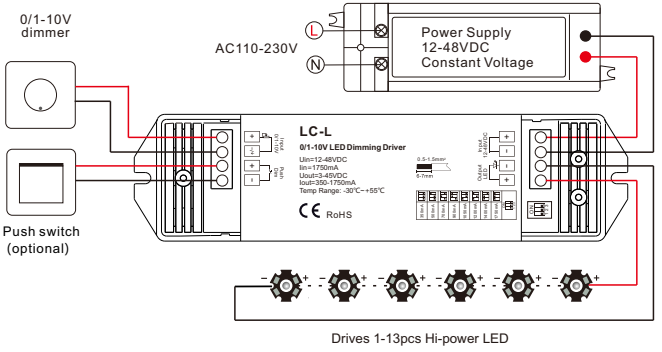
Dimension



Interface specification



Wiring diagram



Drives 1-13pcs Hi-power LED

Push switch function

1. Short press: Turn on/off light.
2. Long press(1-5s): When light is on, increase or decrease brightness continuously,
3. Long press(10s): When multiple dimming controller share a push switch, achieve simultaneous adjustment.

Power supply select guide

- Input 48V power supply, can series connect 1~13pcs LED,
- Input 36V power supply, can series connect 1~10pcs LED,
- Input 24V power supply, can series connect 1~6pcs LED,
- Input 12V power supply, can series connect 1~3pcs LED.

Safety information

1. The product shall be installed and serviced by a qualified person.
2. This product is non-waterproof. Please avoid the sun and rain.
3. Good heat dissipation will prolong the working life of the controller, please ensure good ventilation.
4. Please check if the output voltage of any power supplies used comply with the working voltage of the product.
5. Ensure all wire connections and polarities are correct and secure before applying power to avoid any damages to the LED lights.
6. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.