

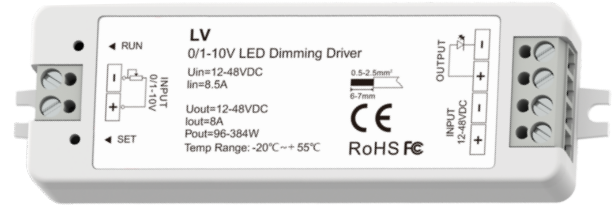
# 0/1-10V LED Dimming Driver

Model No.: LV

0-10V or 1-10V signal input / Four PWM frequencies / Logarithmic dimming

## Features

- 1 channel 0/1-10V input,  
1 channel PWM constant voltage output.
- 0~100% dimming range via logarithmic characteristic can be very comfortable for human eyes.
- Compatible with active or passive 0-10V, 1-10V dimmer, can solve the fluorescent lamp dimming system compatible with LED lighting.
- PWM frequency 500Hz, 2KHz, 8KHz or 16KHz selectable.



FC CE RoHS emc

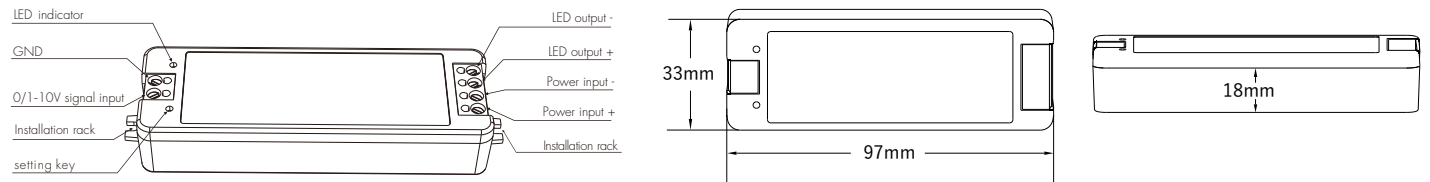
## Technical Parameters

Input and Output	
Input voltage	12-48VDC
Input current	8.5A
Output voltage	12-48VDC
Output current	1CH,8A
Output power	96W/192W/288W/384W (12V/24V/36V/48V)
Output type	Constant voltage
Weight	
Net weight	0.043kg
Gross weight	0.053kg

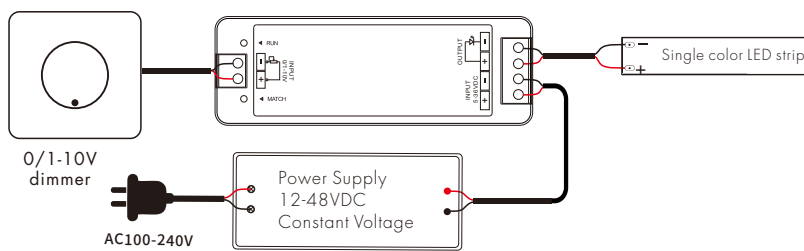
Dimming data	
Input signal	0/1-10V
Dimming range	0-100%
Dimming curve	Logarithmic
PWM Frequency	500Hz, 2KHz, 8KHz, 16KHz
Warranty and Protection	
Warranty	5 years
Protection	Reverse polarity Short circuit Over-heat Over-load

Safety and EMC	
EMC standard(EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Certification	CE, EMC, LVD
Environment	
Operation temperature	Ta: -20°C~+55°C
Case temperature(Max.)	Tc: +85 °C
IP rating	IP20

## Mechanical Structures and Installations



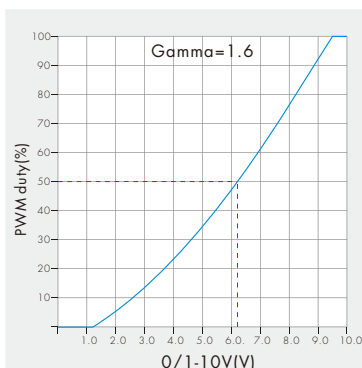
## Wiring Diagram



### Notes:

- The 0/1-10V input is operable via commercially available simple rotary wall switches designed for 0/1-10V dimming equipment or from dedicated system central dimming controllers.
- Compliant with 0-10V, 1-10V, 10V PWM, RX(4 in 1).
- We recommend the number of LED drivers connected to 0/1-10V dimmer does not exceed 50 pieces, The maximum length of the wires from dimmer to LED driver should be no more than 50 meters.

## Dimming Curve



## PWM frequency setting

Long press SET key for 2s, set PWM frequency to 500Hz, LED indicator flashes once.  
 Long press SET key for 5s, set PWM frequency to 2KHz, LED indicator flashes twice.  
 Long press SET key for 10s, set PWM frequency to 8KHz, LED indicator flashes 3 times.  
 Long press SET key for 15s, set PWM frequency to 16KHz, LED indicator flashes 4 times.  
 Higher PWM frequency, will cause lower output current, higher power noise, but more suitable for camera(No flickers for video).