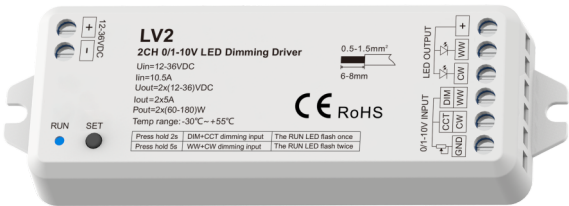# LV2

2 Channel 0/1-10V LED Dimming Driver

Features

- 2 channel 0/1-10V LED dimming driver, 2 channel PWM constant voltage output.
- For dual color control, the two 0/1-10V input can be set as warm white and cool white dimming respectively, or one for brightness adjust and the other for color temperature adjust.
- 0~100% dimming range, linear or logarithmic dimming curve selectable.
- Compatible with active or passive 0-10V, 1-10V dimmer, can solve the fluorescent lamp dimming system compatible with LED lighting.
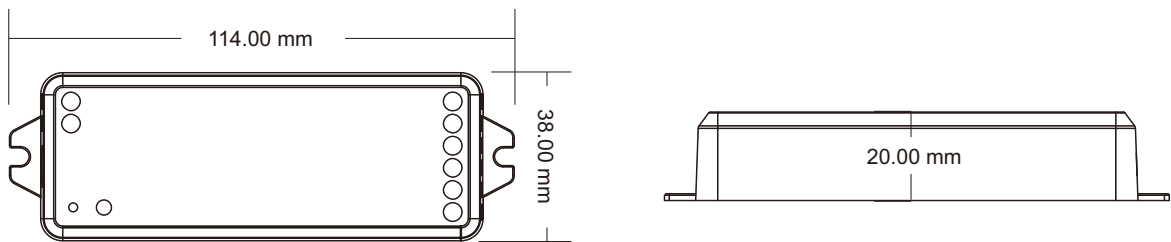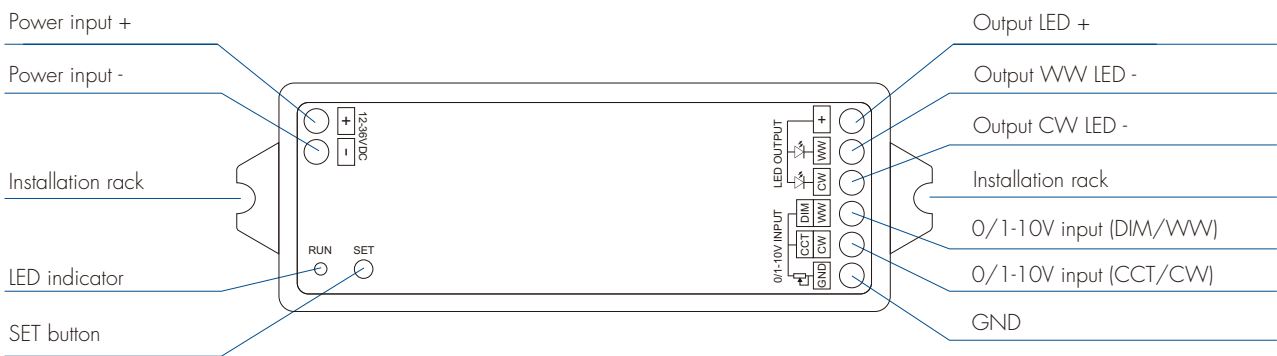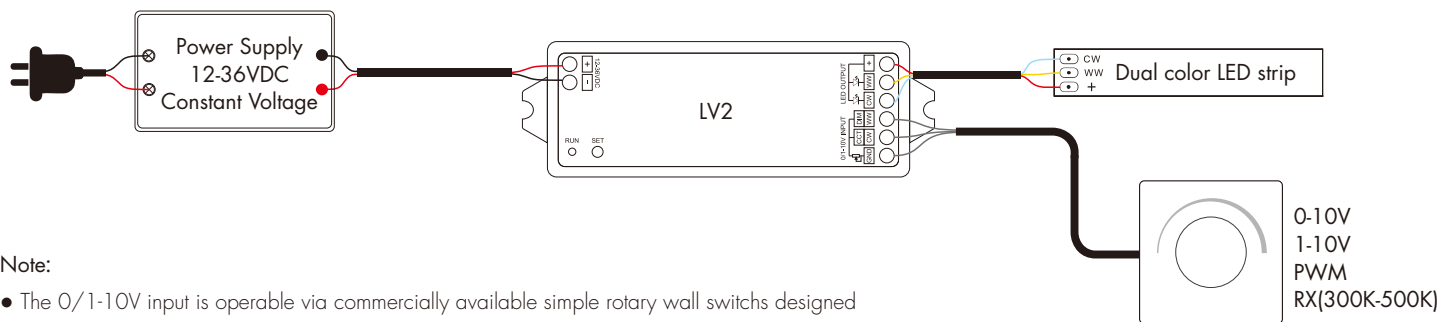
CE RoHS

Technical Parameters

Input and Output

Input voltage	12-36VDC
Input current	10.5A
Output voltage	12-36VDC
Output current	2CH,5A/CH
Output power	2 x (60-180)W
Output type	Constant voltage

Warranty and Protection

Warranty	5 years
Protection	Reverse polarity

Dimming data

Input signal	0/1-10V
Dimming range	0-100%
Dimming curve	Linear(default)
PWM Frequency	2KHz

Environment

Operation temperature	Ta: -30°C ~ +55°C
Case temperature(Max.)	Tc: +85°C
IP rating	IP20

Safety and EMC

EMC standard	EN IEC 55015/EN IEC 61547 EN IEC 61000-3-2/EN IEC 61000-3-3
Safety standard	EN 61347-1/-2 EN 62493
Certification	CE RoHS

Package

Size	L120 x W43 x H27mm
Gross weight	0.066kg

Mechanical Structures and Installations

Power input +
Power input -
Installation rack
LED indicator
SET button

Output LED +
Output WW LED -
Output CW LED -
Installation rack
0/1-10V input (DIM/WW)
0/1-10V input (CCT/CW)
GND

114.00 mm

38.00 mm

20.00 mm

Wiring Diagram

Note:

- The 0/1-10V input is operable via commercially available simple rotary wall switchs designed for 0/1-10V dimming equipment or from decicated 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.

Key Function

Press the SET button to switch two dimming mode:
Press and hold the SET button for 2s, the RUN indicator will flash once, set DIM+CCT dimming mode,
DIM dimming input for brightness adjust, CCT dimming input for color temperature adjust (factory setting).
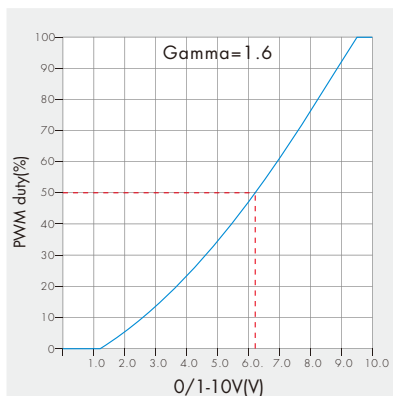
Press and hold the SET button for 5s, the RUN indicator will flash twice, set WW+CW dimming mode,
WW dimming input for WW LED channel brightness adjust, CW dimming input for CW channel brightness adjust.

Note:

- Press and hold the SET button for 10s, RUN indicator flashes 3 times, restore factory settings (linear dimming, DIM+CCT dimming mode).
- Press and hold the SET button for 15s, RUN indicator flashes 4 times, set logarithmic dimming.

Dimming Curve