

0/1-10V LED Dimming Driver

Model No.: LV

0-10V or 1-10V signal input/PWM Constant voltage output/Logarithmic dimming



Features

FC CE RoHS EMC

- 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.

Technical Parameters

Input and Output	
Input voltage	5-36VDC
Input current	8.5A
Output voltage	5-36VDC
Output current	1CH,8A
Output power	40W/96W/192W/288W (5V/12V/24V/36V)
Output type	Constant voltage

Warranty and Protection	
Warranty	5 years
Protection	Reverse polarity Short circuit

Weight	
Net weight	0.043kg
Gross weight	0.053kg

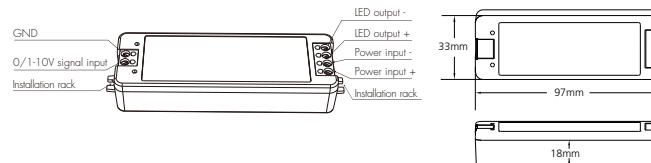
Dimming data	
Input signal	0/1-10V
Dimming range	0-100%
Dimming curve	Logarithmic
PWM Frequency	500Hz

Safety and EMC	
Health	EN 62479:2010
Safety	EN 62368-1:2020+A11:2020
EMC	ETSI EN 301 489-1 V2.2.3
	ETSI EN 301 489-1 V3.2.4

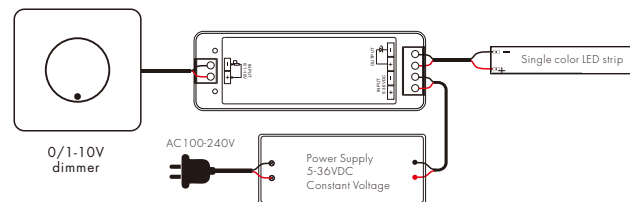
Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +85°C
IP rating	IP20

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Mechanical Structures and Installations



Wiring Diagram



Note:

- 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

