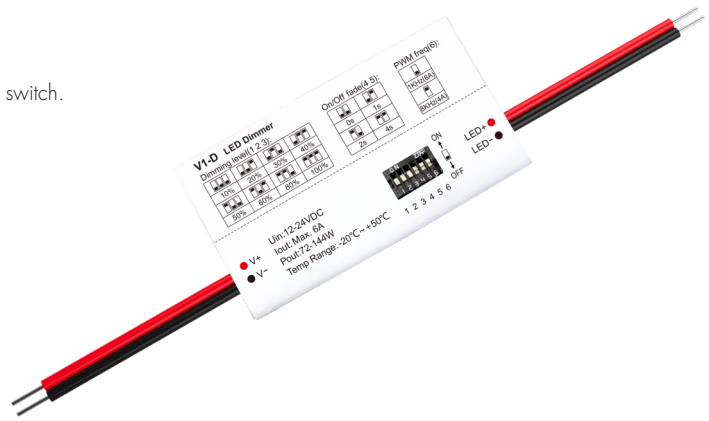


Constant Voltage LED Dimmer Controller

- 1 channel constant voltage LED dimmer.
- Setting light brightness, on/off light fade time, output PWM frequency via Dip switch.
- 8 level light brightness.
- 4 level light on/off fade time.
- Output PWM frequency 1KHz or 8KHz selectable.
- Logarithmic dimming curve.
- Overheat / Reverse protection.

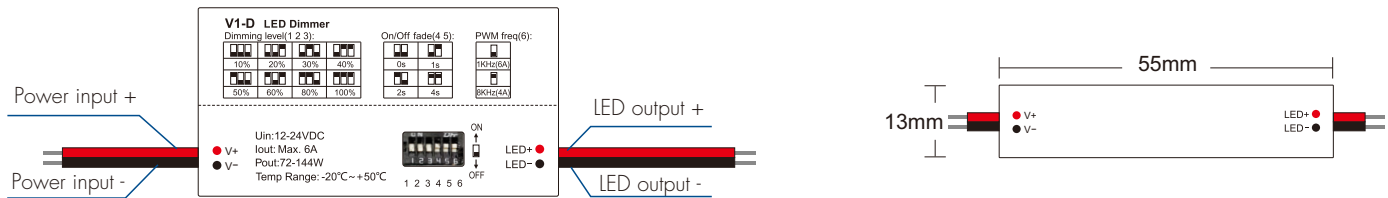


CE RoHS emc LVD

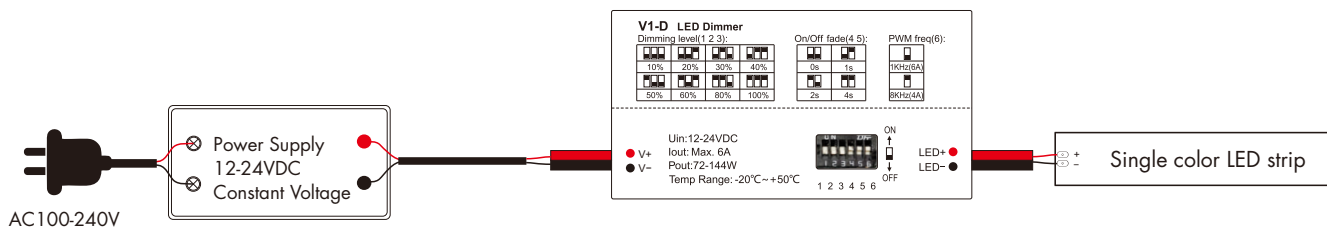
Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-24VDC	Dimming gray scale	4096 (2 ¹²) levels	EMC standard (EMC)	EN IEC 55015:2019+A11:2020 EN 61547:2009 EN IEC 61000-3-2:2019+A11:2021 EN 61000-3-3:2013+A11:2019
Output voltage	12-24VDC	Dimming range	10 - 100%	Safety standard(LVD)	EN 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017
Output current	Max. 6A	Dimming curve	Logarithmic	Certification	CE,EMC,LVD
Output type	Constant voltage	PWM Frequency	1KHz, 8KHz	Environment	
Warranty and Protection		Package		Operation temperature	Ta: -20°C ~ +55 °C
Warranty	5 years	Size	L90xH130mm	IP rating	IP20
Protection	Over-heat, Reverse polarity	Gross weight	0.012kg		

Mechanical Structures and Installations



Wiring Diagram



DIP Switch Setting

- DIP switch 1-3 set 8 level output brightness.

Brightness level	10%	20%	30%	40%	50%	60%	80%	100%

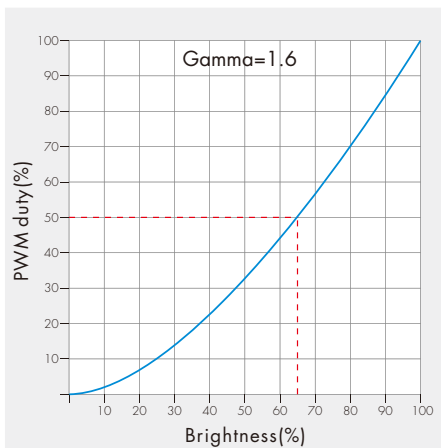
- DIP switch 4-5 set 4 level light on/off fade time.

Fade time	0s	1s	2s	4s

- DIP switch 6 set two output PWM frequency.

PWM freq	1KHz (6A)	8KHz (4A)

Dimming curve



Note

- When the temperature exceeds 115°C, the light is off; when the temperature drops to 110°C, the light comes back on.
- When the dimmer is overloaded twice, it will turn off the output and need to be re-powered to resume.