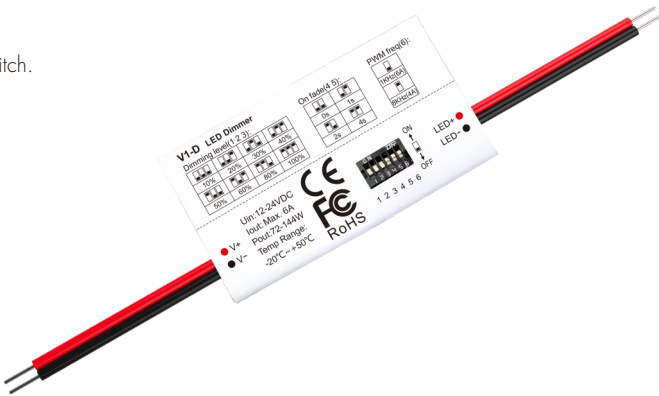


Constant Voltage LED Dimmer Controller

- 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 fade time.
- Output PWM frequency 1KHz or 8KHz selectable.
- Logarithmic dimming curve.
- Overheat / Reverse protection.

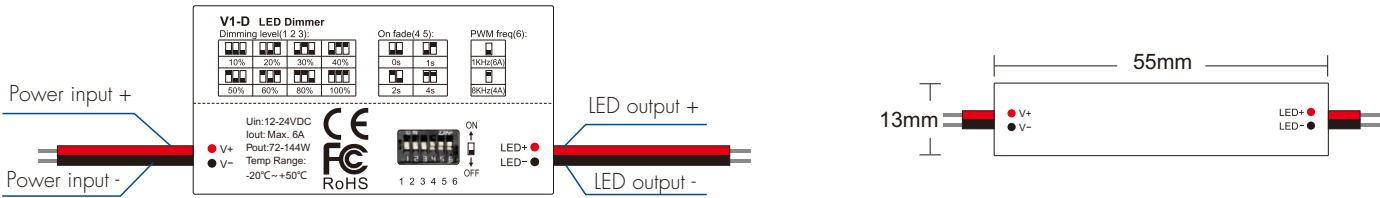


FC CE RoHS

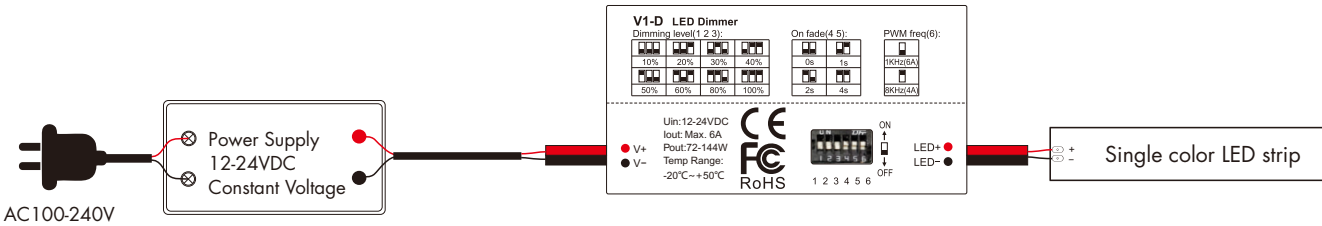
Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-24VDC	Dimming gray scale	4096 (2 ¹²) levels	EMC standard	EN IEC 55015/EN IEC 61547
Output voltage	12-24VDC	Dimming range	10-100%	Safety standard	EN 61347-1/-2 EN 62493
Output current	Max. 6A	Dimming curve	Logarithmic	Certification	CE RoHS FCC
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	Overheat, Reverse polarity	Gross weight	0.012kg		

Mechanical Structures and Installations



Wiring Diagram



DIP Switch Setting

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

<div><div>1</div><div>2</div><div>3</div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>
Brightness level	10%	20%	30%	40%	50%	60%	80%	100%

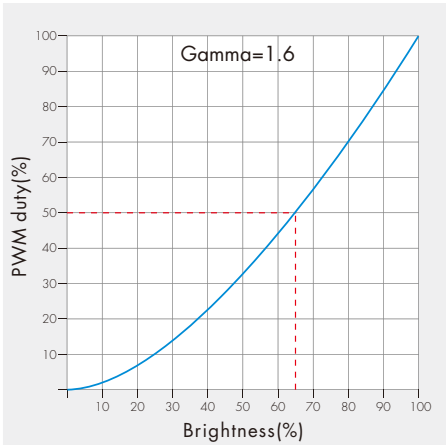
- DIP switch 4-5 set 4 level light on fade time.

<div><div>4</div><div>5</div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>
Fade time	0s	1s	2s	4s

- DIP switch 6 set two output PWM frequency.

<div><div>6</div></div>	<div><div></div></div>	<div><div></div></div>
PWM freq	1 KHz (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.

Statement

FCC Statement:

This device complies with Part 15 of the FCC Rules.operation is subject to the following two conditions:

- (1)this device may not cause harmful interference,and
- (2)this device must accept any interference received,including interference that may cause undesired operation.

IC Statement:

This Class B digital apparatus complies with Canadian ICES-003.
(Cet appareil numérique de la Classe B conforme à la norme NMB-003 du Canada).