

TRIAC & 0-10V (5 in 1 Dimming)

Dimmable Constant Voltage LED Driver
PWM mode / VR (Voltage Reduce) mode

TRIAC / Phase / ELV / MLV | 0-10V | Warm-Dim



SMT-VTD / VT / VD Series [PWM mode / VR (Voltage Reduce) mode]

V+ADJ
Adjustable
output voltage

1-2 CH
Dimming | Warm-Dim

0 - 100%
Full dimming range

PF ≥ 0.95
High
Power factor

Flicker-free
Smooth dimming

PWM
Output
Not alter LED CRI

VR
Output
Voltage Reduce

0.01%
Minimum
Load

20K
20KHz frequency
Customizable 200Hz - 20KHz

Perfect for LED fixtures



Wash wall lamp



LED Neon light



LED strip light



Track light



Linear lamp

Wiring diagram

Diagram 1 Triac Dim

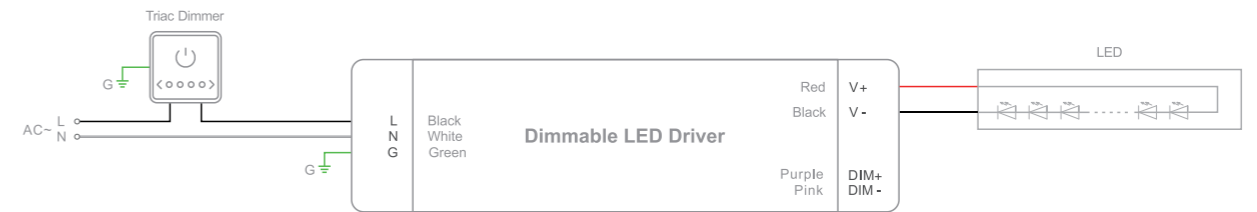
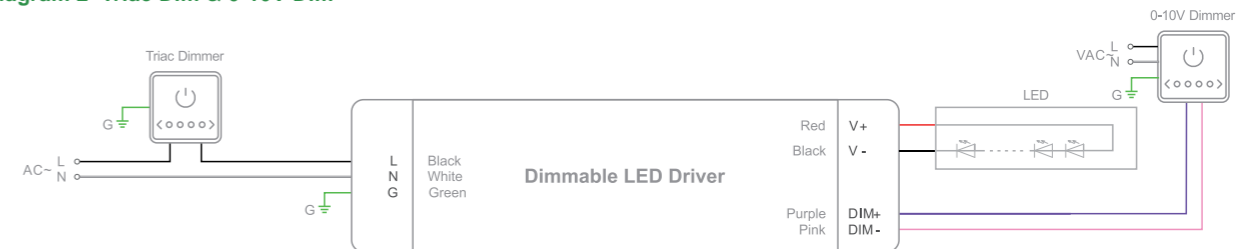


Diagram 2 Triac Dim & 0-10V Dim



Note: Be sure dimming brightness is at 100% for both dimmers and operate one dimmer or the other

Diagram 3 0-10V Dim

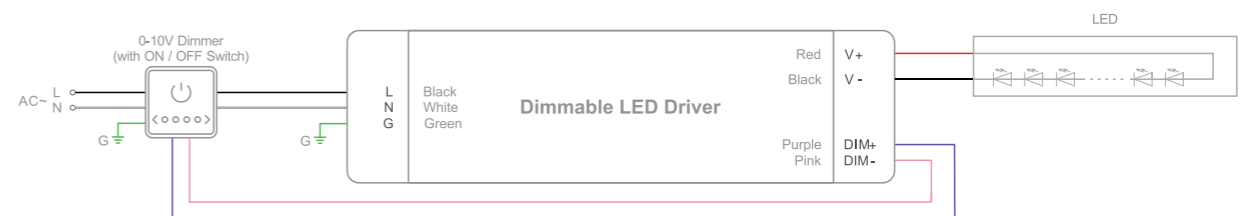


Diagram 4 1-10V / Potentiometer Dim

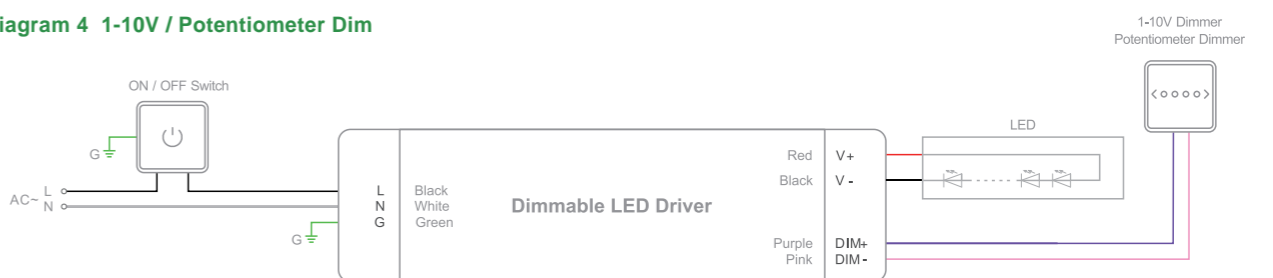
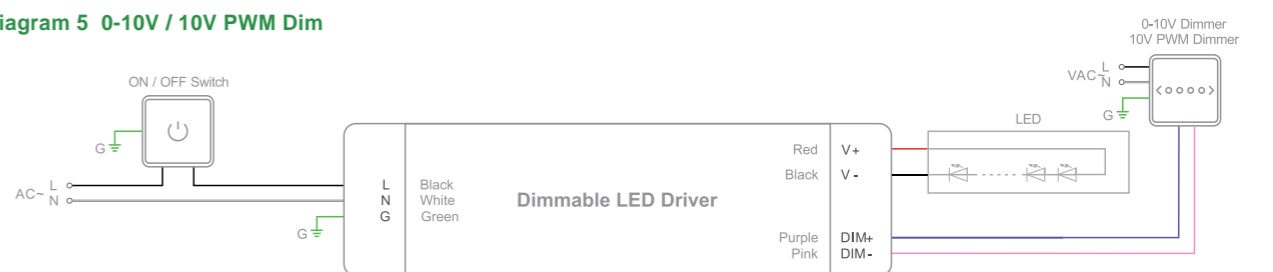


Diagram 5 0-10V / 10V PWM Dim



SMT-VTD Series PWM & VR (Voltage Reduce)

100- 277VAC Constant Voltage Dimmable LED Driver

TRIAC / Phase / ELV / MLV | 0-10V Dimming



SMT-VTD / VT / VD Series

Dimming		
Triac / ELV / MLV Dimming	Triac & 0-10V (5 in 1) Dimming	0-10V Dimming
SMT-VT * series	SMT-VTD * series	SMT-VD * series

SMT-xC-VTD / VT / VD Series - 2 Channel Warm-Dim model

Dimming		
Triac / ELV / MLV Dimming	Triac & 0-10V (5 in 1) Dimming	0-10V Dimming
SMT-xC-VT * series	SMT-xC-VTD * series	SMT-xC-VD * series

- Switch between PWM & VR (Voltage Reduce) output (Individual PWM output / VR output selectable)
- Adjusting output voltage slightly
- 20KHz frequency (Customizable 200Hz - 20KHz frequency)
- 2 channel Warm-Dim / Single channel dimming
Works with single channel LED strip/tape and Warm-Dim LED strip/tape (2 wires)
- Compatible with a wide array of popular dimmers and lighting control system
 - Dimmer : ELV & MLV & TRIAC dimmers;0-10V dimmer
 - Lighting control system : Lutron, Leviton, Crestron, etc.
- Flicker-free
Build in active PFC, typical power factor≥0.95
0.01% mini.load, Dimming depth 0.01%
- Short-circuit, over-temperature, over-load protection.



SMT-12300-5C-VTD-J

1 2 3 4 5


- Output Voltage: 12V / 24V / 36V / 48V
- Power: 30W / 60W / 80W / 96W / 100W / 120W / 150W / 180W / 192W / 200W / 288W / 300W / 500W / 600W
- Blank: 1CH Dimming
2 - 5C: 2CH - 5CH
- VT: Triac Dimming
VD: 0-10V Dimming
VTD: Triac & 0-10V (5 in 1) Dimming
- P: Plastic driver
A: Aluminum driver
J: Aluminum built-in Junction box driver



V+ADJ
- Note: 30W-600W with slightly adjustable output voltage as below:
12V output voltage: 12-13V 24V output voltage: 24-26V
36V output voltage: 36-38V 48V output voltage: 48-50V


Multi-Dimming Mode (5 in 1) LED Driver (PWM & VR Switchable)

Power	Picture	Output	Multi-Dimming Mode (5 in 1) LED Driver (PWM & VR Switchable)		
			TRIAC / ELV / MLV SMT-VT*	TRIAC & 0-10V 5 in 1 SMT-VTD*	0-10V SMT-VD*
30W		12V, 2.5A	SMT-12030-VT-P	SMT-12030-VTD-P	SMT-12030-VD-P
		24V, 1.25A	SMT-24030-VT-P	SMT-24030-VTD-P	SMT-24030-VD-P
		36V, 0.83A	SMT-36030-VT-P	SMT-36030-VTD-P	SMT-36030-VD-P
		48V, 0.63A	SMT-48030-VT-P	SMT-48030-VTD-P	SMT-48030-VD-P
30W		12V, 2.5A	SMT-12030-VT-J	SMT-12030-VTD-J	SMT-12030-VD-J
		24V, 1.25A	SMT-24030-VT-J	SMT-24030-VTD-J	SMT-24030-VD-J
		36V, 0.83A	SMT-36030-VT-J	SMT-36030-VTD-J	SMT-36030-VD-J
		48V, 0.63A	SMT-48030-VT-J	SMT-48030-VTD-J	SMT-48030-VD-J
60W		12V, 5A	SMT-12060-VT-P	SMT-12060-VTD-P	SMT-12060-VD-P
		24V, 2.5A	SMT-24060-VT-P	SMT-24060-VTD-P	SMT-24060-VD-P
		36V, 1.67A	SMT-36060-VT-P	SMT-36060-VTD-P	SMT-36060-VD-P
		48V, 1.25A	SMT-48060-VT-P	SMT-48060-VTD-P	SMT-48060-VD-P
60W		12V, 5A	SMT-12060-VT-J	SMT-12060-VTD-J	SMT-12060-VD-J
		24V, 2.5A	SMT-24060-VT-J	SMT-24060-VTD-J	SMT-24060-VD-J
		36V, 1.67A	SMT-36060-VT-J	SMT-36060-VTD-J	SMT-36060-VD-J
		48V, 1.25A	SMT-48060-VT-J	SMT-48060-VTD-J	SMT-48060-VD-J
80W		12V, 6.67A	SMT-12080-VT-P	SMT-12080-VTD-P	SMT-12080-VD-P
		24V, 3.34A	SMT-24080-VT-P	SMT-24080-VTD-P	SMT-24080-VD-P
		36V, 2.23A	SMT-36080-VT-P	SMT-36080-VTD-P	SMT-36080-VD-P
		48V, 1.67A	SMT-48080-VT-P	SMT-48080-VTD-P	SMT-48080-VD-P
80W		12V, 6.67A	SMT-12080-VT-J	SMT-12080-VTD-J	SMT-12080-VD-J
		24V, 3.34A	SMT-24080-VT-J	SMT-24080-VTD-J	SMT-24080-VD-J
		36V, 2.23A	SMT-36080-VT-J	SMT-36080-VTD-J	SMT-36080-VD-J
		48V, 1.67A	SMT-48080-VT-J	SMT-48080-VTD-J	SMT-48080-VD-J
96W		24V, 4A	SMT-24096-VT-P	SMT-24096-VTD-P	SMT-24096-VD-P
		36V, 2.67A	SMT-36096-VT-P	SMT-36096-VTD-P	SMT-36096-VD-P
		48V, 2A	SMT-48096-VT-P	SMT-48096-VTD-P	SMT-48096-VD-P
		96W		24V, 4A	SMT-24096-VTD-J
36V, 2.67A	SMT-36096-VTD-J			SMT-36096-VTD-J	SMT-36096-VD-J
48V, 2A	SMT-48096-VTD-J			SMT-48096-VTD-J	SMT-48096-VD-J
100W				12V, 8.34A	SMT-12100-VT-P
		24V, 4.17A	SMT-24100-VT-P	SMT-24100-VTD-P	SMT-24100-VD-P
		36V, 2.78A	SMT-36100-VT-P	SMT-36100-VTD-P	SMT-36100-VD-P
		48V, 2.08A	SMT-48100-VT-P	SMT-48100-VTD-P	SMT-48100-VD-P
100W		12V, 8.34A	SMT-12100-VT-J	SMT-12100-VTD-J	SMT-12100-VD-J
		24V, 4.17A	SMT-24100-VT-J	SMT-24100-VTD-J	SMT-24100-VD-J
		36V, 2.78A	SMT-36100-VT-J	SMT-36100-VTD-J	SMT-36100-VD-J
		48V, 2.08A	SMT-48100-VT-J	SMT-48100-VTD-J	SMT-48100-VD-J
120W		12V, 10A	SMT-12120-VT-P	SMT-12120-VTD-P	SMT-12120-VD-P
		24V, 5A	SMT-24120-VT-P	SMT-24120-VTD-P	SMT-24120-VD-P
		36V, 3.33A	SMT-36120-VT-P	SMT-36120-VTD-P	SMT-36120-VD-P
		48V, 2.5A	SMT-48120-VT-P	SMT-48120-VTD-P	SMT-48120-VD-P
120W		12V, 10A	SMT-12120-VT-A	SMT-12120-VTD-A	SMT-12120-VD-A
		24V, 5A	SMT-24120-VT-A	SMT-24120-VTD-A	SMT-24120-VD-A
		36V, 3.33A	SMT-36120-VT-A	SMT-36120-VTD-A	SMT-36120-VD-A
		48V, 2.5A	SMT-48120-VT-A	SMT-48120-VTD-A	SMT-48120-VD-A

V+ADJ
 Note: 30W-600W with slightly adjustable output voltage as below:
 12V output voltage: 12-13V 24V output voltage: 24-26V
 36V output voltage: 36-38V 48V output voltage: 48-50V

Multi-Dimming Mode (5 in 1) LED Driver (PWM & VR Switchable)





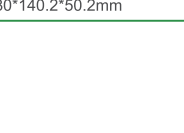
Power	Picture	Output	TRIAC / ELV / MLV SMT-VT*		
			TRIAC & 0-10V 5 in 1 SMT-VTD*	0-10V SMT-VD*	
120W	 196.5*103.4*40mm	12V, 10A	SMT-12120-VT-J	SMT-12120-VTD-J	SMT-12120-VD-J
		24V, 5A	SMT-24120-VT-J	SMT-24120-VTD-J	SMT-24120-VD-J
		36V, 3.33A	SMT-36120-VT-J	SMT-36120-VTD-J	SMT-36120-VD-J
150W	 200*78*25mm	12V, 12.5A	SMT-12150-VT-A	SMT-12150-VTD-A	SMT-12150-VD-A
		24V, 6.25A	SMT-24150-VT-A	SMT-24150-VTD-A	SMT-24150-VD-A
		36V, 4.17A	SMT-36150-VT-A	SMT-36150-VTD-A	SMT-36150-VD-A
200W	 207.4*116*40mm	12V, 16.67A	SMT-12200-VT-A	SMT-12200-VTD-A	SMT-12200-VD-A
		24V, 8.34A	SMT-24200-VT-A	SMT-24200-VTD-A	SMT-24200-VD-A
		36V, 5.56A	SMT-36200-VT-A	SMT-36200-VTD-A	SMT-36200-VD-A
180W	 231*78*25mm	12V, 16.67A	SMT-12200-VT-J	SMT-12200-VTD-J	SMT-12200-VD-J
		24V, 8.34A	SMT-24200-VT-J	SMT-24200-VTD-J	SMT-24200-VD-J
		36V, 5.56A	SMT-36200-VT-J	SMT-36200-VTD-J	SMT-36200-VD-J
192W	 232*116*40mm	12V, MULTI 3*5A	SMT-12180-3C-VT-A	SMT-12180-3C-VTD-A	SMT-12180-3C-VD-A
		12V, MULTI 3*5A	SMT-12180-3C-VT-J	SMT-12180-3C-VTD-J	SMT-12180-3C-VD-J
		24V, MULTI 2*4A	SMT-24192-2C-VT-A	SMT-24192-2C-VTD-A	SMT-24192-2C-VD-A
300W	 231*78*25mm	36V, MULTI 2*2.67A	SMT-36192-2C-VT-A	SMT-36192-2C-VTD-A	SMT-36192-2C-VD-A
		48V, MULTI 2*2A	SMT-48192-2C-VT-A	SMT-48192-2C-VTD-A	SMT-48192-2C-VD-A
		24V, MULTI 2*4A	SMT-24192-2C-VT-J	SMT-24192-2C-VTD-J	SMT-24192-2C-VD-J
288W	 279*78*25mm	36V, MULTI 2*2.67A	SMT-36192-2C-VT-J	SMT-36192-2C-VTD-J	SMT-36192-2C-VD-J
		48V, MULTI 2*2A	SMT-48192-2C-VT-J	SMT-48192-2C-VTD-J	SMT-48192-2C-VD-J
		12V, 25A	SMT-12300-VT-A	SMT-12300-VTD-A	SMT-12300-VD-A
300W	 232*116*40mm	24V, 12.5A	SMT-24300-VT-A	SMT-24300-VTD-A	SMT-24300-VD-A
		36V, 8.34A	SMT-36300-VT-A	SMT-36300-VTD-A	SMT-36300-VD-A
		48V, 6.25A	SMT-48300-VT-A	SMT-48300-VTD-A	SMT-48300-VD-A
288W	 279*78*25mm	12V, 25A	SMT-12300-VT-J	SMT-12300-VTD-J	SMT-12300-VD-J
		24V, 12.5A	SMT-24300-VT-J	SMT-24300-VTD-J	SMT-24300-VD-J
		36V, 8.34A	SMT-36300-VT-J	SMT-36300-VTD-J	SMT-36300-VD-J
288W	 279*78*25mm	48V, 6.25A	SMT-48300-VT-J	SMT-48300-VTD-J	SMT-48300-VD-J
		24V, MULTI 3*4A	SMT-24288-3C-VT-J	SMT-24288-3C-VTD-J	SMT-24288-3C-VD-J
		36V, MULTI 3*2.67A	SMT-36288-3C-VT-J	SMT-36288-3C-VTD-J	SMT-36288-3C-VD-J
288W	 279*78*25mm	48V, MULTI 3*2A	SMT-48288-3C-VT-J	SMT-48288-3C-VTD-J	SMT-48288-3C-VD-J

V+ADJ
 Note: 30W-600W with slightly adjustable output voltage as below:
 12V output voltage: 12-13V 24V output voltage: 24-26V
 36V output voltage: 36-38V 48V output voltage: 48-50V

Multi-Dimming Mode (5 in 1) LED Driver (PWM & VR Switchable)

Power	Picture	Output	TRIAC / ELV / MLV SMT-VT*		
			TRIAC & 0-10V 5 in 1 SMT-VTD*	0-10V SMT-VD*	
288W	 275*116*40mm	24V, MULTI 3*4A	SMT-24288-3C-VT-J	SMT-24288-3C-VTD-J	SMT-24288-3C-VD-J
		36V, MULTI 3*2.67A	SMT-36288-3C-VT-J	SMT-36288-3C-VTD-J	SMT-36288-3C-VD-J
		48V, MULTI 3*2A	SMT-48288-3C-VT-J	SMT-48288-3C-VTD-J	SMT-48288-3C-VD-J
300W	 279*78*25mm	12V, MULTI 5*5A	SMT-12300-5C-VT-A	SMT-12300-5C-VTD-A	SMT-12300-5C-VD-A
		12V, MULTI 5*5A	SMT-12300-5C-VT-J	SMT-12300-5C-VTD-J	SMT-12300-5C-VD-J
		12V, 41.67A	SMT-12500-VT-A	SMT-12500-VTD-A	SMT-12500-VD-A
500W	 284*109*48.5mm	24V, 20.83A	SMT-24500-VT-A	SMT-24500-VTD-A	SMT-24500-VD-A
		36V, 13.89A	SMT-36500-VT-A	SMT-36500-VTD-A	SMT-36500-VD-A
		48V, 10.42A	SMT-48500-VT-A	SMT-48500-VTD-A	SMT-48500-VD-A
600W	 322*78*43.7mm	12V, 41.67A	SMT-12500-VT-J	SMT-12500-VTD-J	SMT-12500-VD-J
		24V, 20.83A	SMT-24500-VT-J	SMT-24500-VTD-J	SMT-24500-VD-J
		36V, 13.89A	SMT-36500-VT-J	SMT-36500-VTD-J	SMT-36500-VD-J
600W	 280*140.2*50.2mm	48V, 10.42A	SMT-48500-VT-J	SMT-48500-VTD-J	SMT-48500-VD-J
		24V, 25A	SMT-24600-VT-A	SMT-24600-VTD-A	SMT-24600-VD-A
		36V, 16.67A	SMT-36600-VT-A	SMT-36600-VTD-A	SMT-36600-VD-A
600W	 280*140.2*50.2mm	48V, 12.5A	SMT-48600-VT-A	SMT-48600-VTD-A	SMT-48600-VD-A
		24V, 25A	SMT-24600-VT-J	SMT-24600-VTD-J	SMT-24600-VD-J
		36V, 16.67A	SMT-36600-VT-J	SMT-36600-VTD-J	SMT-36600-VD-J
600W	 280*140.2*50.2mm	48V, 12.5A	SMT-48600-VT-J	SMT-48600-VTD-J	SMT-48600-VD-J

(5 in 1) LED Driver (PWM & VR Switchable) 2 Channel Warm-Dim model

Power	Picture	Output	TRIAC / ELV / MLV SMT-W-VT*		
			TRIAC & 0-10V 5 in 1 SMT-W-VTD*	0-10V SMT-W-VD*	
500W	 284*109*48.5mm	12V, 41.67A	SMT-W12500-2C-VT-A	SMT-W12500-2C-VTD-A	SMT-W12500-2C-VD-A
		24V, 20.83A	SMT-W24500-2C-VT-A	SMT-W24500-2C-VTD-A	SMT-W24500-2C-VD-A
		36V, 13.89A	SMT-W36500-2C-VT-A	SMT-W36500-2C-VTD-A	SMT-W36500-2C-VD-A
500W	 280*140.2*50.2mm	48V, 10.42A	SMT-W48500-2C-VT-A	SMT-W48500-2C-VTD-A	SMT-W48500-2C-VD-A
		12V, 41.67A	SMT-W12500-2C-VT-J	SMT-W12500-2C-VTD-J	SMT-W12500-2C-VD-J
		24V, 20.83A	SMT-W24500-2C-VT-J	SMT-W24500-2C-VTD-J	SMT-W24500-2C-VD-J
500W	 280*140.2*50.2mm	36V, 13.89A	SMT-W36500-2C-VT-J	SMT-W36500-2C-VTD-J	SMT-W36500-2C-VD-J
		48V, 10.42A	SMT-W48500-2C-VT-J	SMT-W48500-2C-VTD-J	SMT-W48500-2C-VD-J
		24V, 25A	SMT-W24600-2C-VT-A	SMT-W24600-2C-VTD-A	SMT-W24600-2C-VD-A
600W	 322*78*43.7mm	36V, 16.67A	SMT-W36600-2C-VT-A	SMT-W36600-2C-VTD-A	SMT-W36600-2C-VD-A
		48V, 12.5A	SMT-W48600-2C-VT-A	SMT-W48600-2C-VTD-A	SMT-W48600-2C-VD-A
		24V, 25A	SMT-W24600-2C-VT-J	SMT-W24600-2C-VTD-J	SMT-W24600-2C-VD-J
600W	 280*140.2*50.2mm	36V, 16.67A	SMT-W36600-2C-VT-J	SMT-W36600-2C-VTD-J	SMT-W36600-2C-VD-J
		48V, 12.5A	SMT-W48600-2C-VT-J	SMT-W48600-2C-VTD-J	SMT-W48600-2C-VD-J

Dimming Warm-Dim