

50W Triac dimmable LED driver ---Constant Current DIP Adjustment Multi-current output Series
■ Features:

- Output constant current
- Input Range 180-240VAC
- Efficiency 82% Max
- Protections: short circuit/over load/ over current
- Cooling by free air convection
- IP20 design for indoor installation and suitable for dry locations
- Dimming function: Triac dimmable Phase cut dimmable
- Dimming range from 0% to 100%
- Suitable for intelligent LED lighting


Specification
T_{ON} L_{OFF} CE

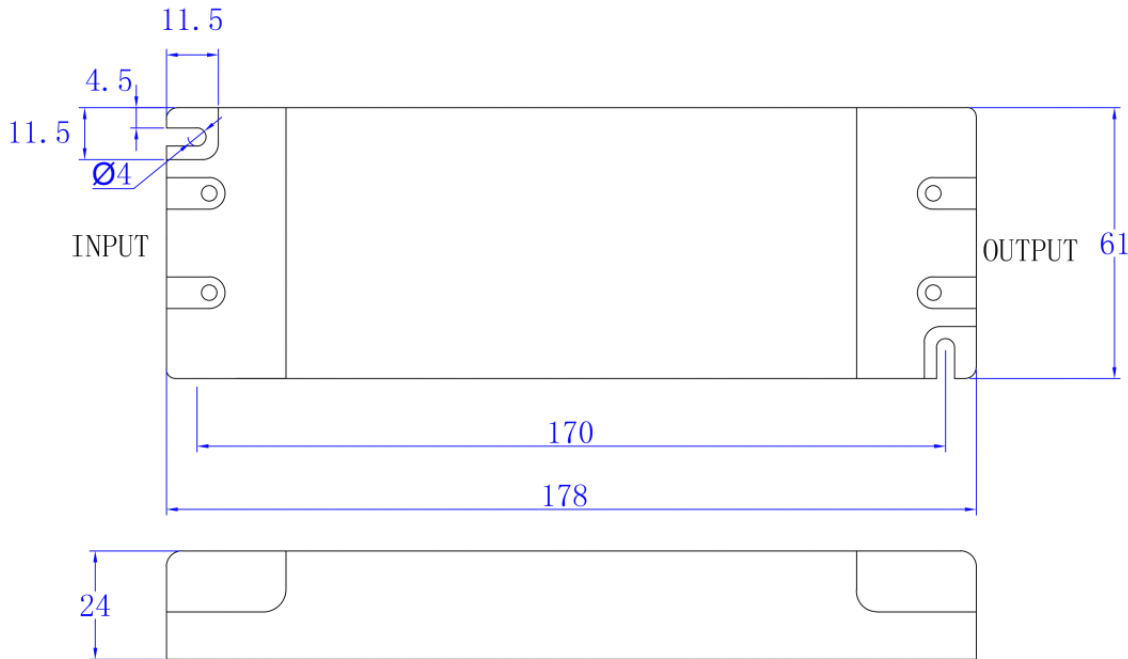
Model		KIP-050-TD							
Output	Rated current	1400mA TTT	1300mA TIT	1250mA TTI	1150mA TII	1050mA ITT	900mA IIIT	850mA ITII	700mA IIII
	Current Tolerance	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%
	DC Voltage	10-36V	10-38V	10-40V	10-43V	10-48V	10-50V	10-50V	10-50V
	Rated power	50.4W	49.4W	50W	49.45W	50.4W	45W	42.5W	35W
Input	Rated Input Voltage	180-240VAC							
	Rated Frequency:	47-63HZ							
	Power Factor (full load)@180VAC	PF≥0.547A	PF≥0.545A	PF≥0.544A	PF≥0.543A	PF≥0.548A	PF≥0.542A	PF≥0.825A	PF≥0.676A
	Full Load Efficiency(Typ)	82.5%	82.6%	82.7%	82.8%	83.2%	83.3%	82.7%	81.7%
	AC Current(Max.)	<0.64A							
	Inrush Current (Typ.)	35.2A/Twidth=300us							
Protection	Leakage current	<0.50mA							
	Short Circuit	Protection type: Hiccup mode, recovers automatically after fault condition is removed							
	Output No-Load Voltage	52-60V							
	Over Load	≤ 120%							
Environ- ment	Protection Class:	II							
	Working TEMP.	-40-+60℃							
	Working Humidity	20-95%RH ,non-condensing							
	Storage TEM. Humidity	-40-+80℃,10-95%RH							
	TEMP. coefficient	±0.03%/℃ (0-50℃)							
Safety & EMC	Vibration	10-500Hz,2G 10min./1 cycle,period for 60min.each along X,Y,Z axes							
	Safety standards	EN61347-1 EN61347-2-13							
	Withstand voltage	I/P-O/P:3.75KVAC							
Others	Isolation resistance	I/P-O/P:100MΩ/500VDC/25℃/70%RH							
	Weight	0.32KG							
	Size	178*61*24mm(L*W*H)							
Notes	packing	290*215*240mm outside carton 20PCS/CTN G.W: 7.5KG							
		1. All parameters NOT specially mentioned are measured at 120VAC input , rated load and 25℃							

50W Triac dimmable LED driver ---Constant Current DIP Adjustment Multi-current output Series

of ambient temperature.

2. Tolerance: includes set us tolerance, line regulation and load regulation .

■ Mechanical Specification



■ Label

LED Driver (Triac Dimming - Leading edge)

Multi Output Constant Current

• tc

T ON T OFF

Model: KIP-050-TD

Input: 180-240V~ 0.64A 50/60Hz

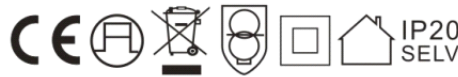
Pout: Max 50W Uout: 10-50V

Iout: 700-1400mA

(Constant)

ta: 40°C tc: 85°C

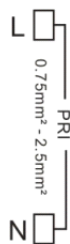
III	ITL	ITT	ITT	TLL	TLT	TTT	
700mA	850mA	900mA	1050mA	1150mA	1250mA	1300mA	1400mA
10-50V	10-50V	10-50V	10-48V	10-43V	10-40V	10-38V	10-36V
35W	42.5W	45W	50.4W	49.5W	50W	49.4W	50.4W



ZHUHAI SHENGCHANG ELECTRONICS CO.,LTD.

Made in China

Building 3. No.19, Yongtian Road, Qianshan Industrial Zone, Zhuhai City, Guangdong Province, China



※Input with Live Wire AC (L), Neutral Wire AC(N)

※Output LED SEC output Positive (LED+) , output negative(LED-). Connected to LED Lamps.

※ Suggested wire diameter:Input 0.75-2.5mm²; Output:0.5-2.5mm².

※ Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.

※Note: Any other requests we can customized.

■ Dimming Operation

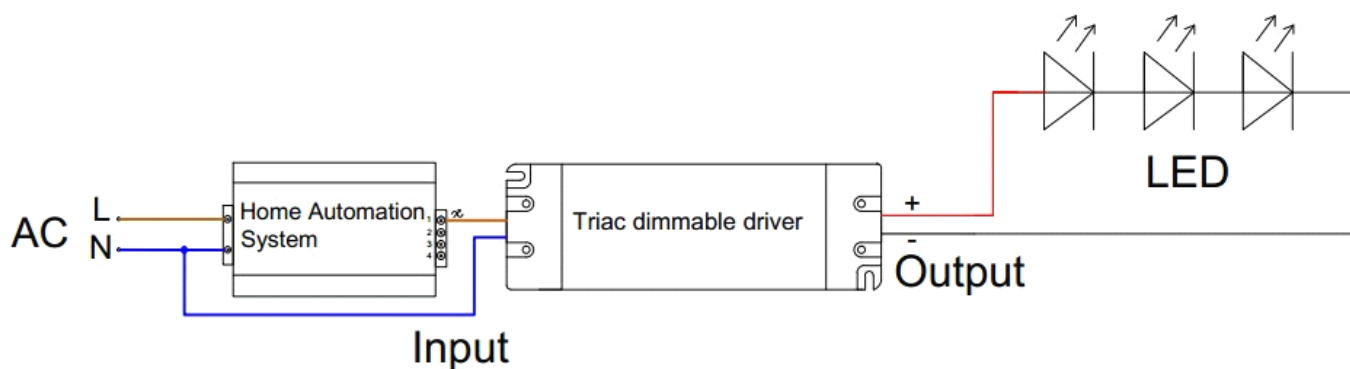
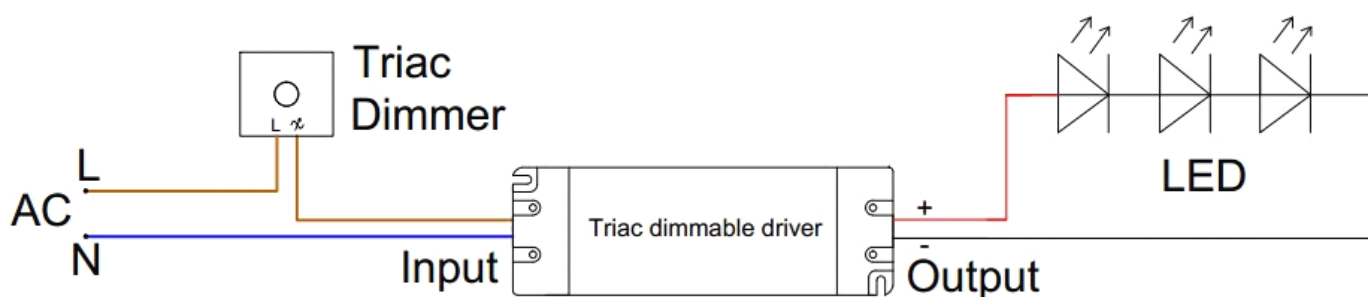
※Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a triac dimmer.

※Usually matching with leading edge Triac Dimmers and some kind of the trailing edge Triac Dimmers.

※please try to use the small power dimmer, have access to a wider dimming range, high-power dimmer is difficult to achieve the output current to zero

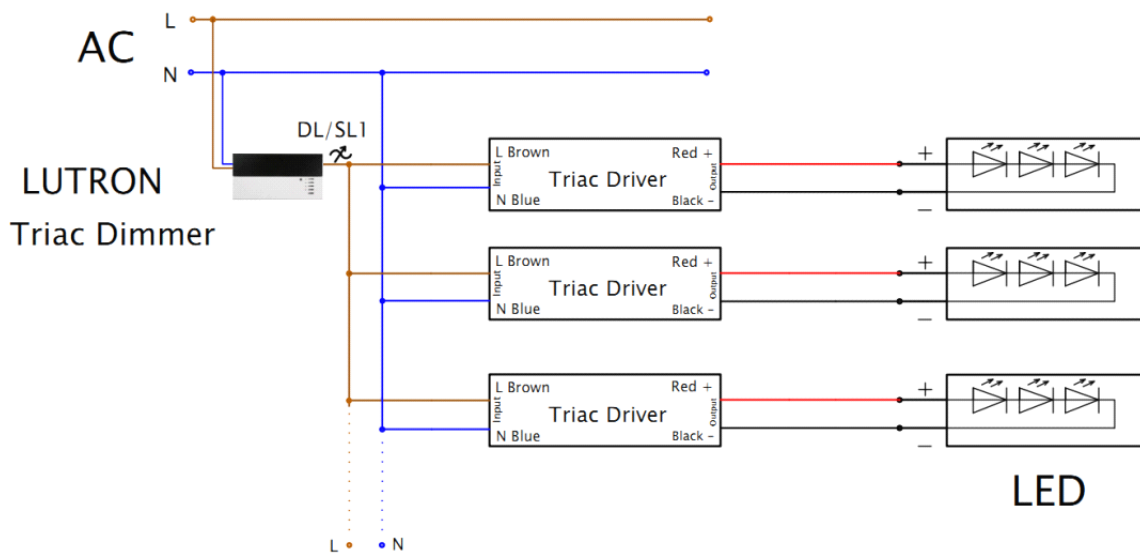
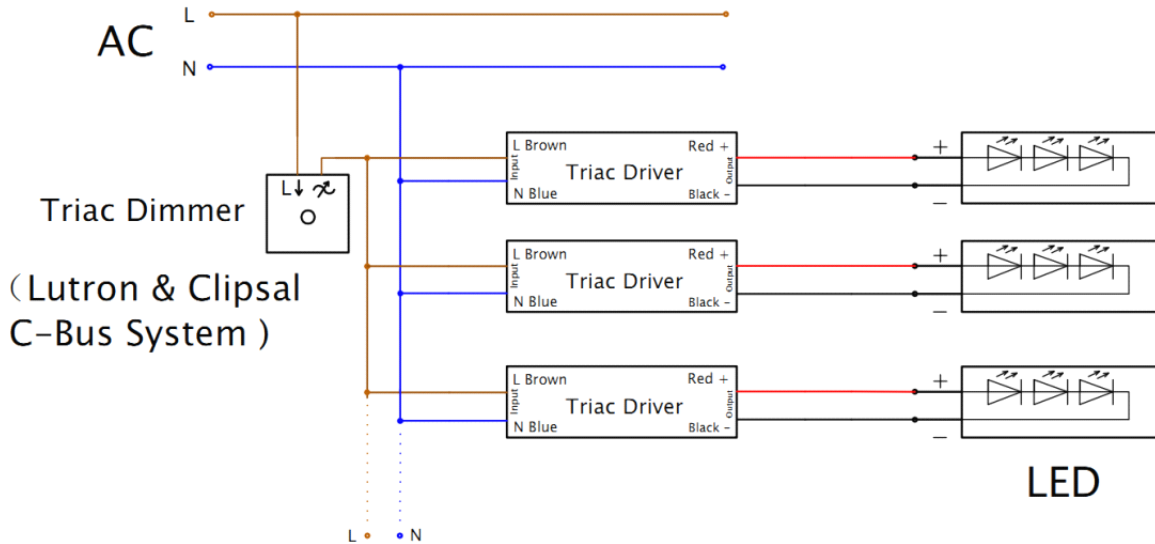
※please try to use dimmers with power at least 3 times as the output power of the driver.

■ Connecting Diagram in Single (I)

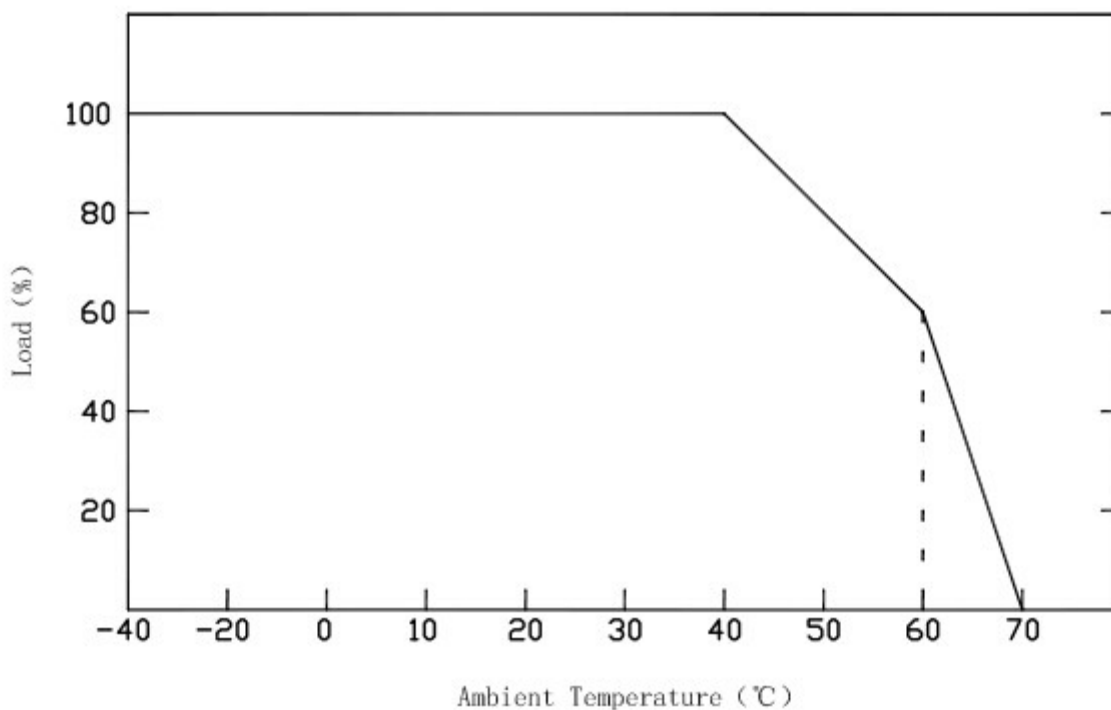


■ Connecting Diagram in Multiple (II)

50W Triac dimmable LED driver ---Constant Current DIP Adjustment Multi-current output Series



Derating Curve



※To extend their life, please refer to the Derating Curve and derate according to the temperature.

Instruction:

- 1.This driver should be installed by qualified and professional person;
- 2.Please make sure the transformer is installed with adequate ventilation around it to allow for heat dissipation.
- 3.Ensure that wiring is correct before test in order to avoid light and power supply damage;
- 4.If driver cannot work normally, please don't maintain privately;

Should you have any questions, please feel free to contact with Shengchang .