

Constant Voltage Phase/Triac dimmable driver---60W series PWM output

■ Features:

- Output constant voltage
- Universal AC input: 100-130VAC
- High efficiency :up to 87%
- Protection:short circuit/over loading/over current/ Over temperature
- Full protection plastic housing
- Easy installation
- Cooling by free air convection
- Compatible with Forward phase,Magnetic low voltage,Triac Dimmers
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications and others
- Provide with a junction box for power supply and output connection
- Suitable for dry or damp location use, IP20

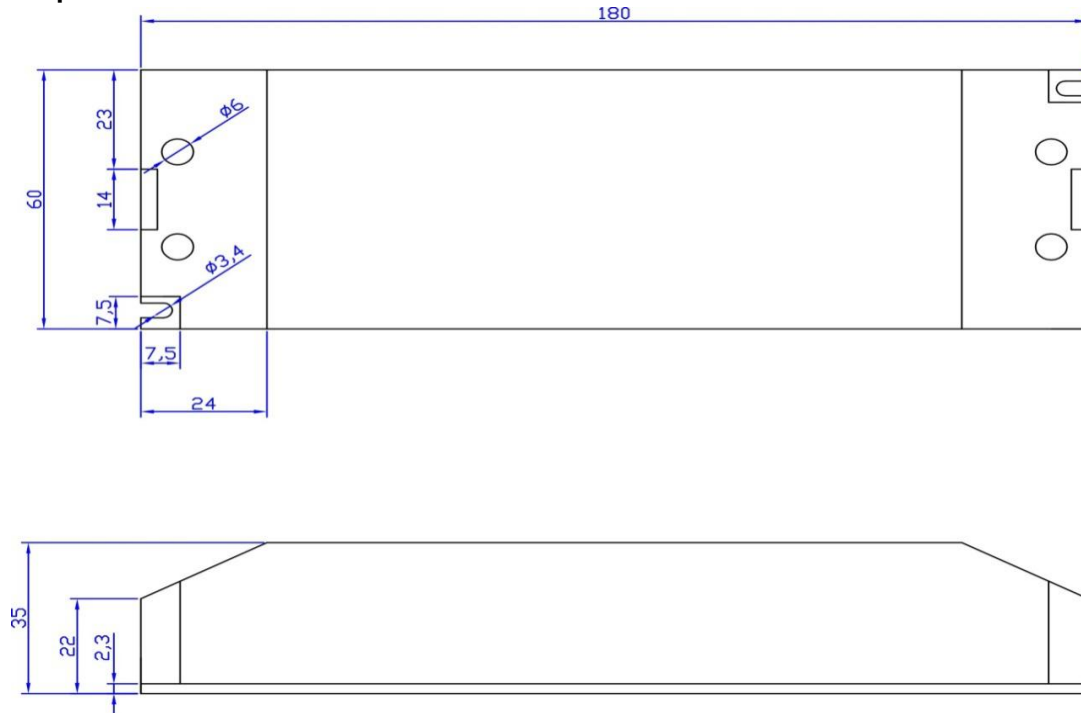

■ Specification

Model		KVP-12060-TDL	KVP-24060-TDL
Certificates		ETL,cETL,FCC	ETL,cETL,FCC
Output	DC Voltage	12V	24V
	Voltage Tolerance	±0.5V	
	Rated current	5A	2.5A
	Rated power	60W	
Input	Voltage Range	100-130VAC	
	Frequency Range	47~63HZ	
	Power Factor	0.65 (Full loading)	
	Efficiency (Typ.)	85%	87%
	AC Current (Max.)	1.0A	1.0A
	Leakage current	< 0.50mA/120VAC	
Protection	Short Circuit	Hiccup mode, recover automatically after fault condition is removed	
	Over Current	≤1.2*I out	
	Over Loading	≤120%	
	Over temperature	100℃±10℃, Shut down o/p voltage, recover automatically after temperature goes down.	
Environment	Working TEMP.	-40~+60℃	
	Working Humidity	20~90%RH, non-condensing	
	Storage TEMP. Humidity	-40~+80℃, 10~95%RH	
	TEMP .coefficient	±0.03%/℃ (0~50℃)	
	Vibration	10~500Hz, 2G 12min./1 cycle, period for 72min. each along X,Y,Z axes	
Safety& EMC	Safety standards	UL8750+UL1310 Class 2 unit	
	Withstand voltage	I/P-O/P:1500VAC	
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25℃/70%RH	
	EMC EMISSION	FCC Part 15 B	
Others	Net. Weight	1.07kg=0.55(driver)+0. 52kg(J12-1)	
	Size	350*77*37mm (L*W*H)	
	Packing	430*375*190mm 20PCS/CTN	

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Notes	<p>1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25℃ of ambient temperature.</p> <p>2. To extend the driver's using life ,please reduce the loading at lower input voltage.</p> <p>3.Loading should be 5-100%.</p>
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■ Mechanical Specification for KVP series 60W Phase/Triac Dimmable driver



■ Label

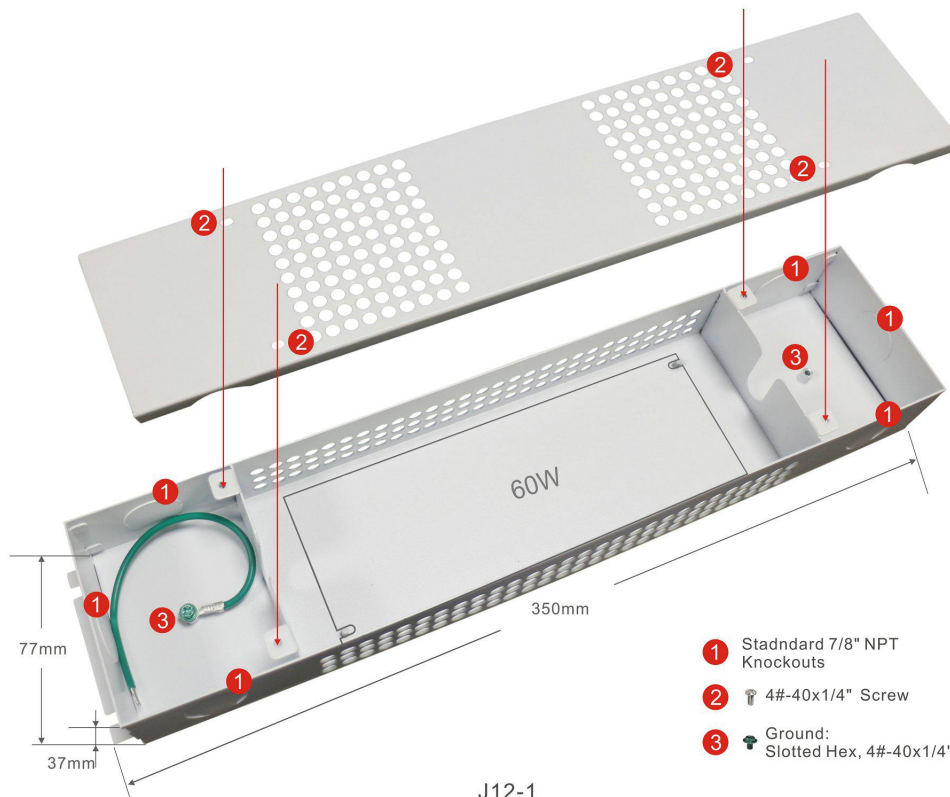
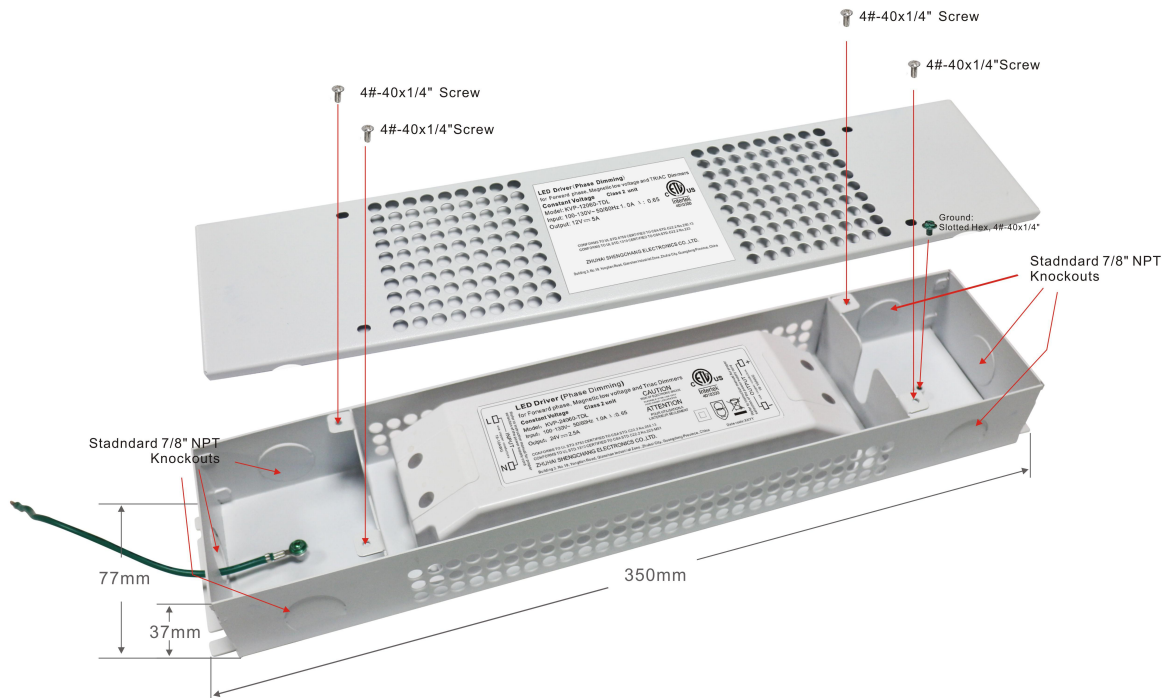


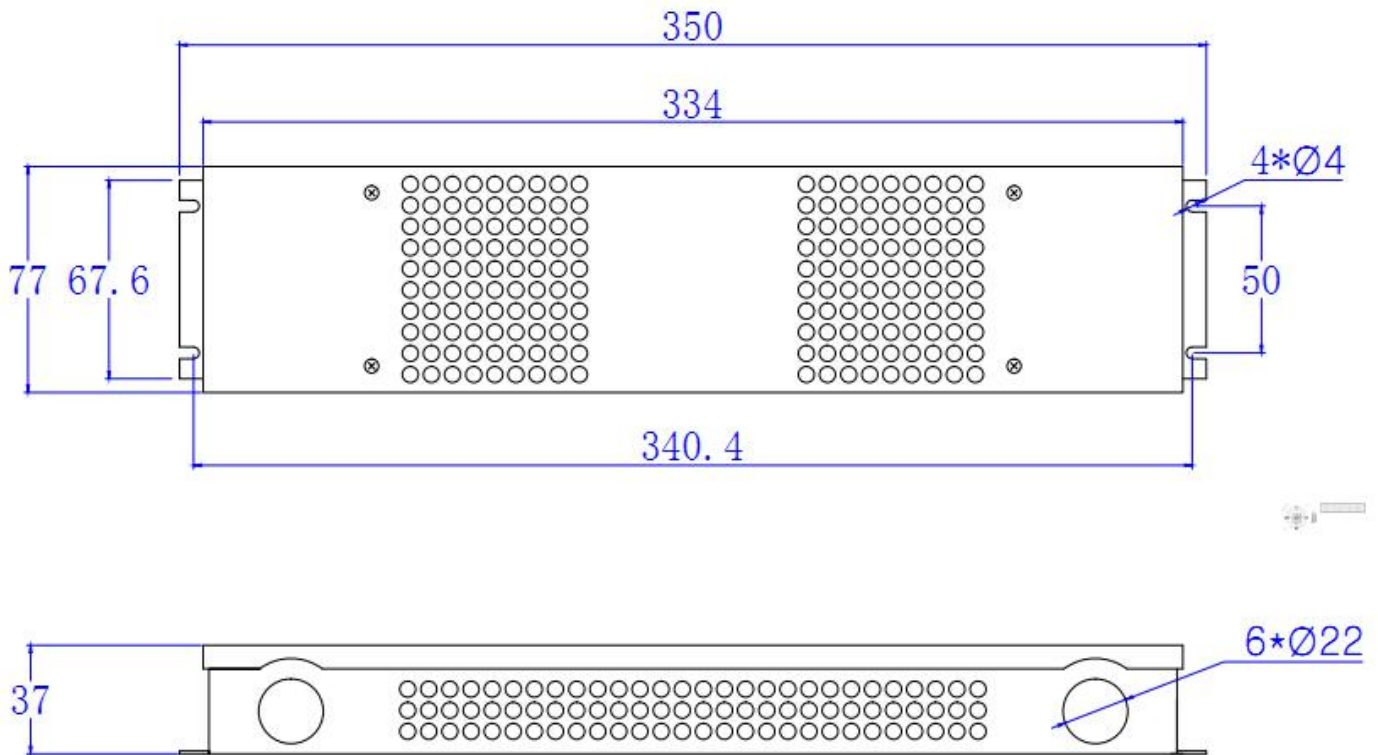
※ Input (L) and (N) with wires to be connected AC.

※ Output : (LED+) (LED-)

■ Mechanical Specification for 60W Phase/Triac Dimmable Driver with junction box J12-1

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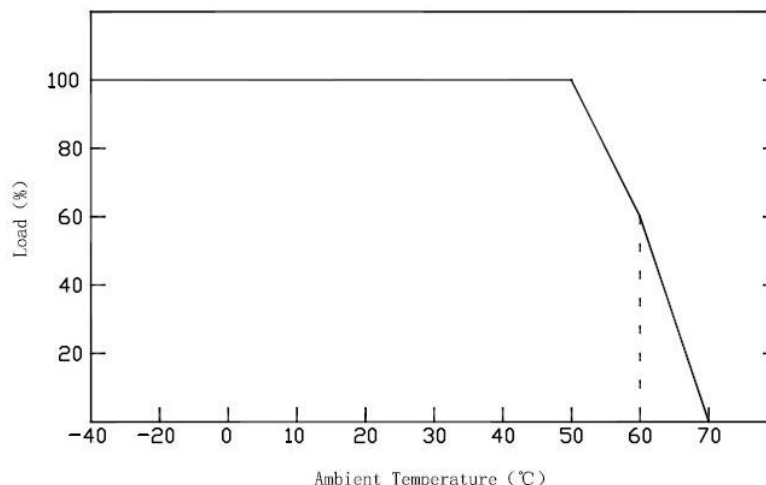
■ Dimming Operation

- ※The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a triac dimmer.
- ※Usually matching with leading edge/Forward Phase Triac Dimmers(Can customized as a driver only matching trailing edge/reverse phase Triac Dimmers if needed).
- ※Please try to use dimmers with power at least 2.5 times as the output power of the driver.
- ※for Forward phase,Magnetic low voltage and Triac Dimmers

■ Warning

- ※Prevent to reverse polarity;
- ※Risk of Electric Shock. When used outdoors, install only on a circuit protected by a Class A GFCI;
- ※Risk of Fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician;
- ※Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.

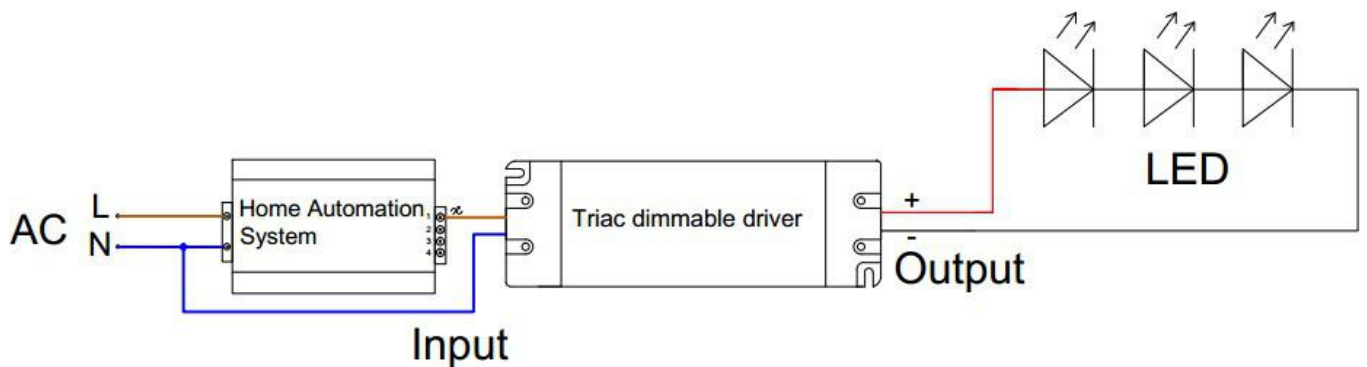
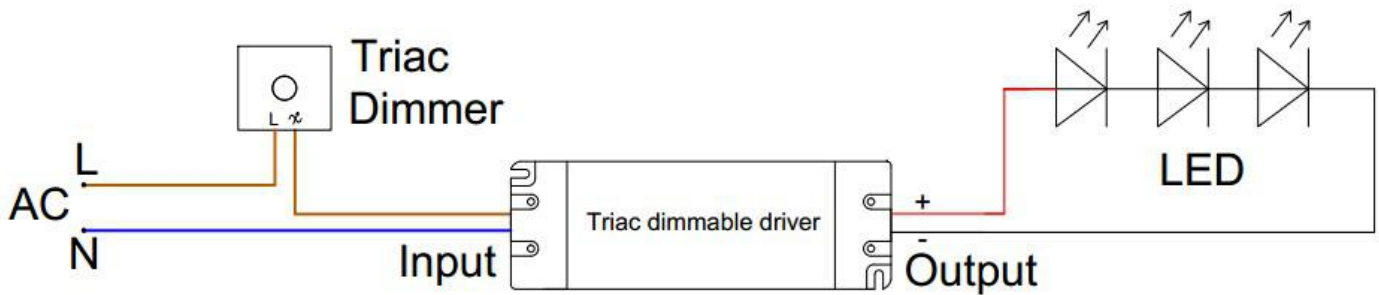
■ Derating Curve



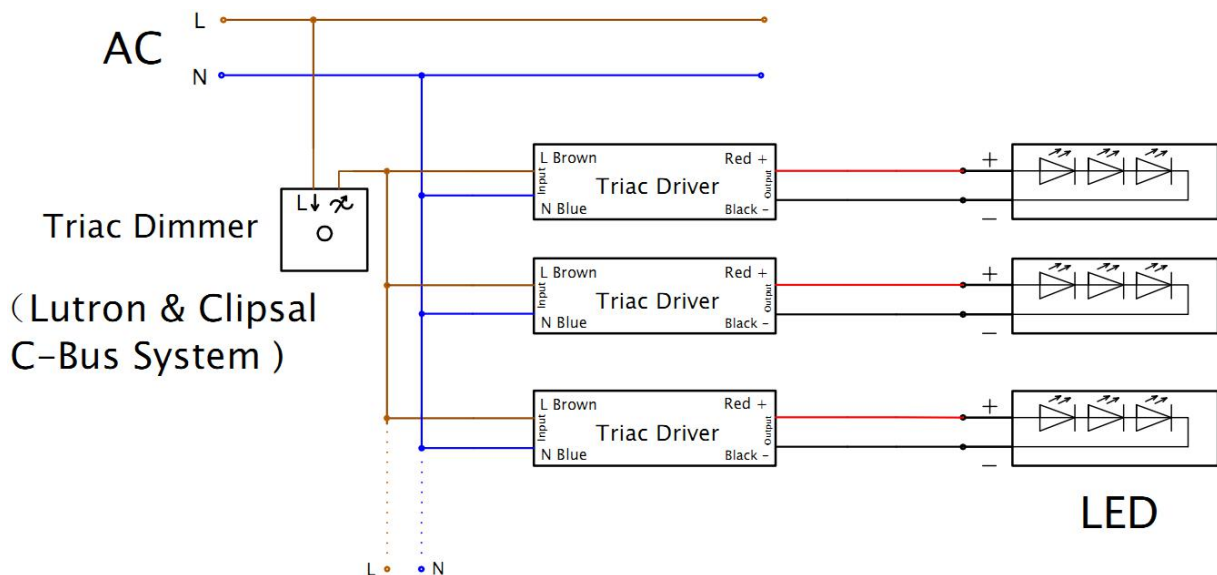
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※To extend their life, please refer to the Derating Curve and derate according to the temperature

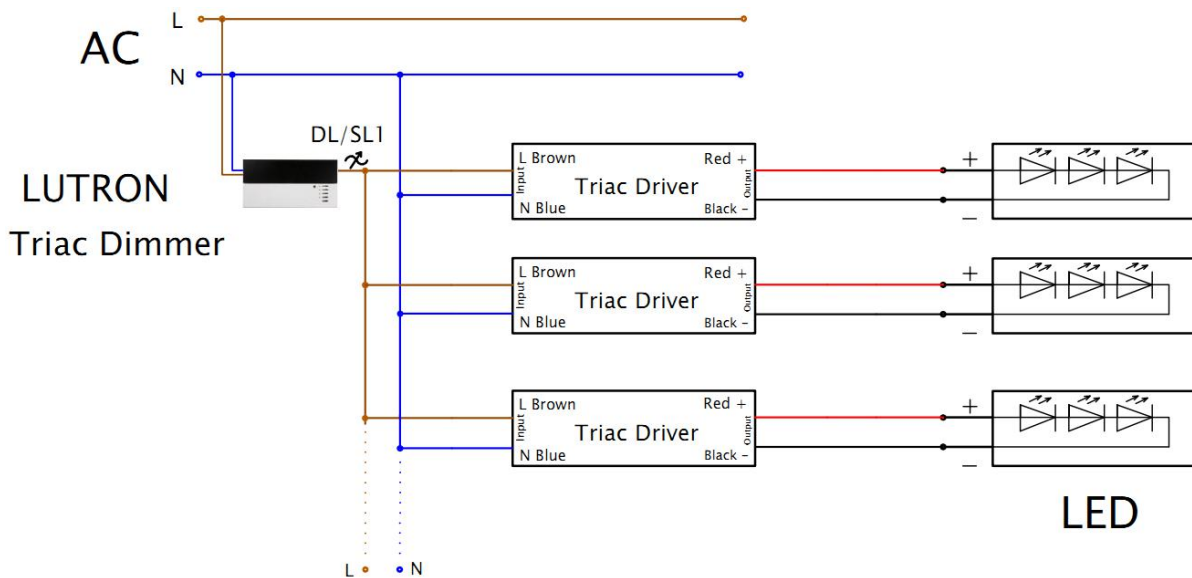
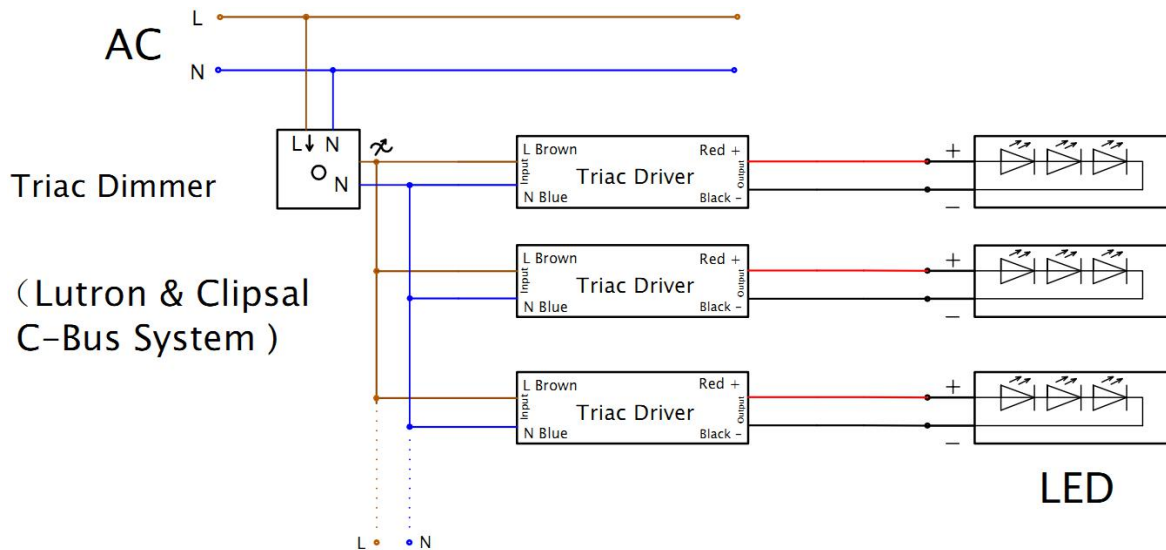
■ Single Driver Connecting Diagram



■ Multiple Drivers Connecting Diagram



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