Triac dimmable driver---Constant Current series 60W

■ Features:

·Output constant current
·Range AC input :180-240VAC
·Built-in active PFC function
·Efficiency :up to 86%
·Protections:short circuit/over loading/over voltage over temperature
·Full protection aluminum housing easy installation
·IP66 design for outdoor installation
·Cooling by free air convection
·Work with leading edge and trailing edge TRIAC dimmers
·Strong compatibility, flicker-free dimming
· Suitable for LED lighting and moving sign applications

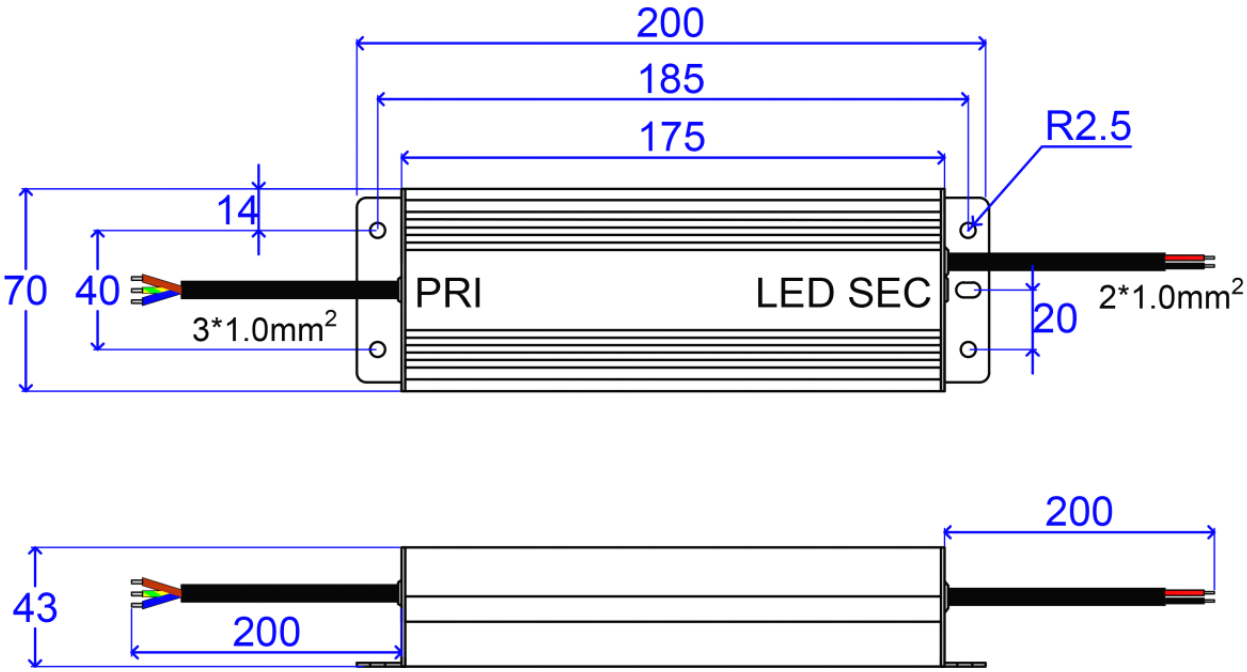
IP66
SELV

■ Specification

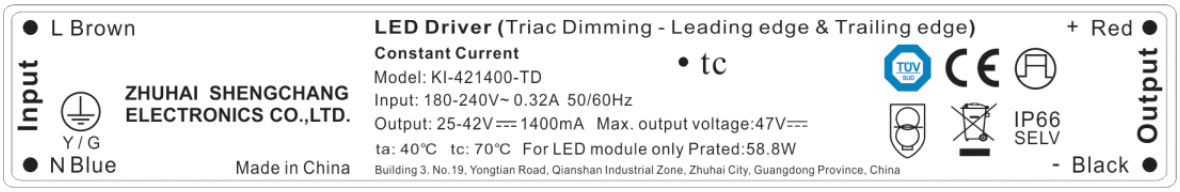
Model		KI-70830-TD	KI-70900-TD	KI-601050-TD	KI-421400-TD	KI-361750-TD	KI-302100-TD
Output	Rated current	830mA	900mA	1050mA	1400mA	1750mA	2100mA
	Current Tolerance	±5%					
	Voltage Range	40-70V	40-70V	35-60V	25-42V	20-36V	18-30V
	Rated power	58.1W	63W	63W	58.8W	63W	63W
Input	Voltage Range	180-240VAC					
	Frequency Range	47-63HZ					
	Power Factor	PF≥0.95/180VAC PF≥0.92/230VAC PF≥0.92/240VAC(Full loading)					
	Full Load Efficiency(Typ.)	86%	86%	86%	86%	86%	86%
	AC Current(Max.)	0.42A	0.46A	0.46A	0.42A	0.46A	0.46A
	Leakage current	<0.50mA					
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed					
	Over Load	≤120%					
	Over Voltage	≤75V	≤75V	≤65V	≤47V	≤41V	≤35V
	Protection Class:	I					
	Over temperature	100℃±10℃shut down o/p voltage ,re-power on to recover					
Environment	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℃)					
	Vibration	10 - 500Hz, 2G 12min./1 cycle, period for 72min.each along X,Y,Z axes.					
Safety &EMC	Safety standards	EN61347-1 EN61347-2-13 IP66					
	Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC					
	Isolation resistance	I/P-O/P I/P-FG O/P-FG:100MΩ/500VDC/25℃/70%RH					
	EMC EMISSION	EN55015,EN61000-3-2,3 (≥60%loading)					
	EMC IMMUNITY	EN61000-4-2,3,4,5,6,11,EN61547,A light industry level (Surge 4KV)					
Others	Net.Weight	0.95 Kg					
	Size	200*70*43mm (L*W*H)					
	packing	204*73*58mm inner box 310*240*165mm / 10PCS/ CTN					
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25℃of ambient						

	temperature. 2. Tolerance: includes set us tolerance, line regulation and load regulation . 3. The power supply is considered as a component that will be operated in combination with final Equipment. Since EMC performance will be affected by the complete installation, the final equipment manufactures must be-qualify EMC Directive on the complete installation again

■Mechanical Specification



■ Label



※Input Rubber cable H05RN-F 3G 1.0㎜²,the green /yellow cable connect with (FG),Brown with AC (L),Blue with AC(N)

※Output Rubber cable H05RN-F2 1.0㎜²,Red is output(V+) Positive,Black is output (V-) negative.Connected to LED Lamps.

※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.

※Compatible with Leading edge or tailing 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.

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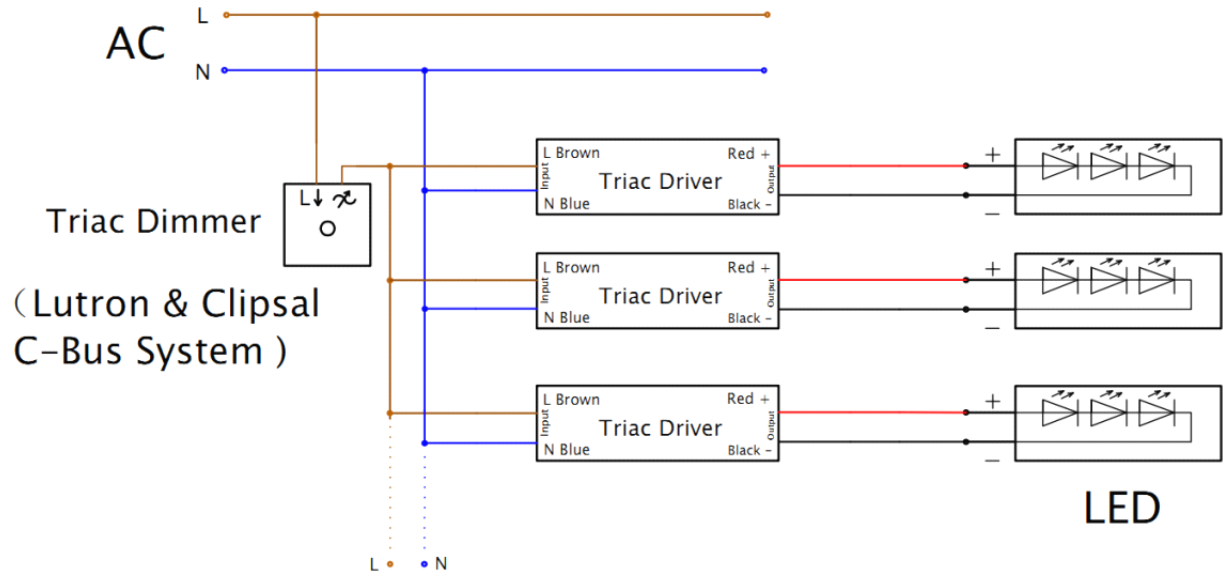
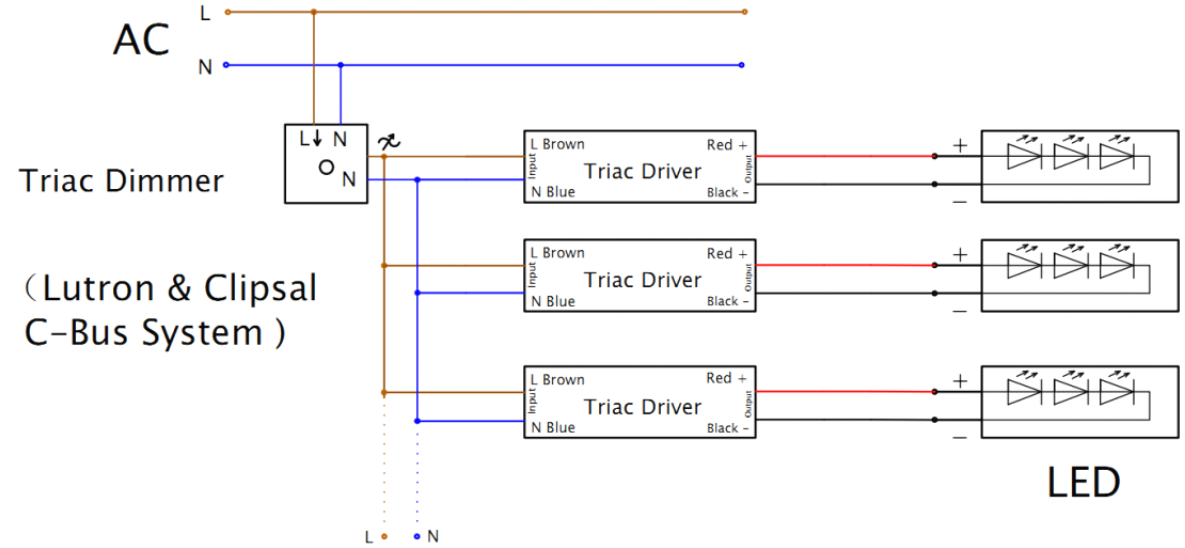
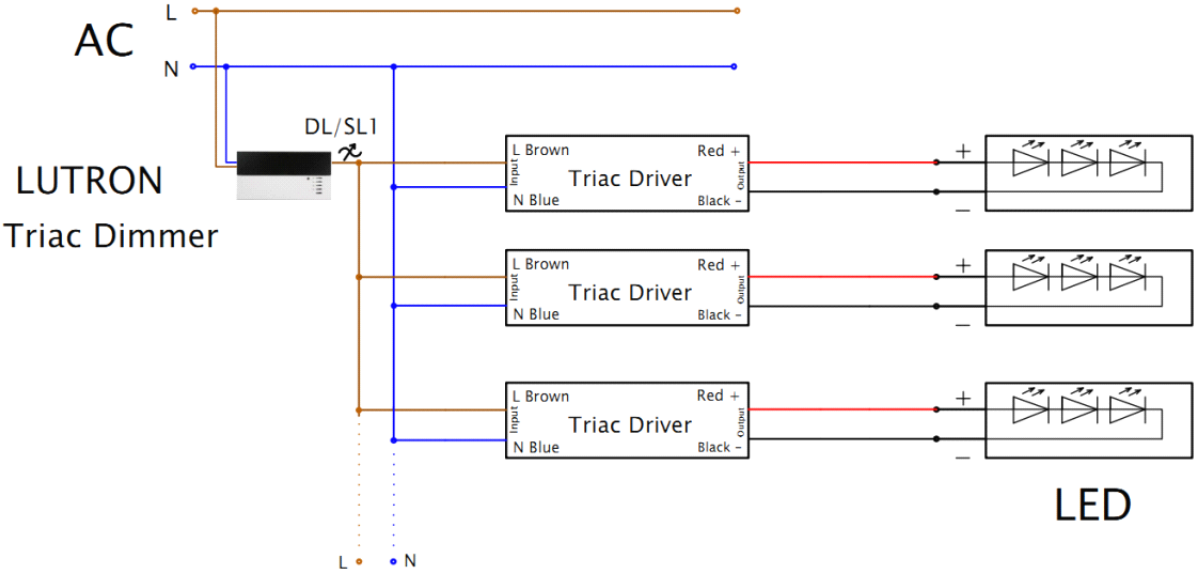
■ Connecting Diagram







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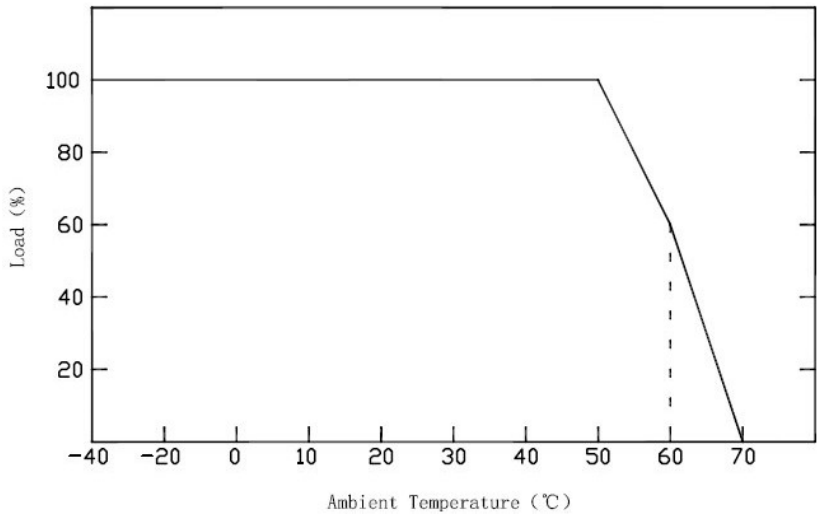
■Derating Curve



※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 connot work normally, don't maintain privately;Have any question,please contact Shengchang.

Any other question please feel free to contact ZHUHAI SHENGCHANG ELETRONICS CO