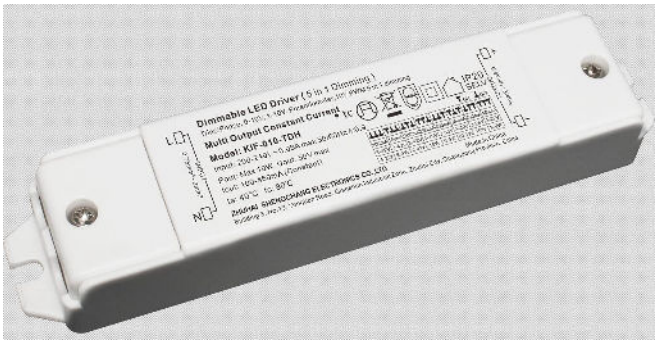
LUMINAIRE Galarneau

Triac dimmable LED Constant Current driver with DIP Adjustment Multi-current KIF-TDW series 20W



IP20 SELV

■ Features:

·Output constant current
·Range AC input :100-277VAC
·Efficiency up to 78%
·Built-in active PFC function
·Protections: short circuit/over current
·Full protection plastic housing easy installation
·IP20 design for indoor installation
·Cooling by free air convection
·Dimming function: Triac/phase cut dimming
Work with leading or trailing edge Triac dimmer /forward or reverse phase Triac dimmers
·Strong compatibility, flicker-free dimming
·Suitable for LED lighting and moving sign applications

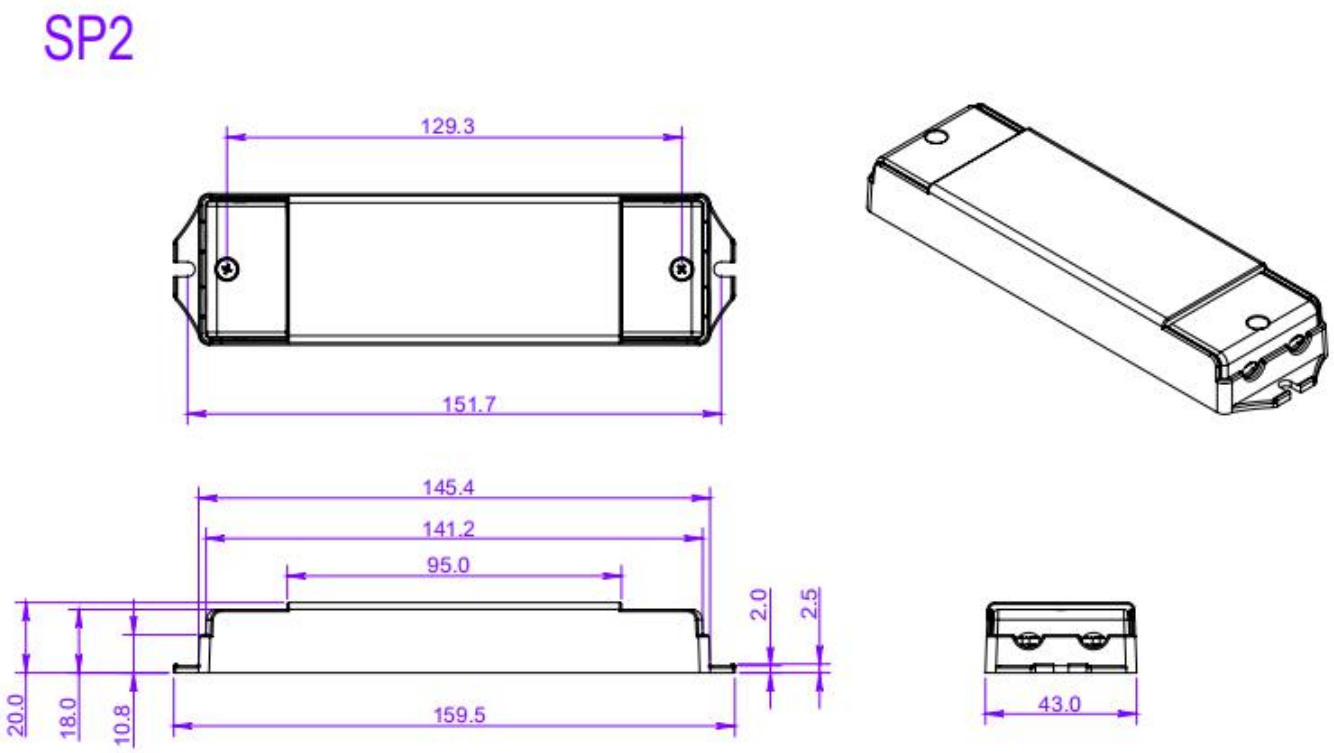
■ Specification

T ON ⊥ OFF

Model		KIF-020-TDW							
Output	Rated current (mA)	700mA TTT	600mA ⊥TT	550mA T⊥T	500mA TT⊥	450mA ⊥⊥T	400mA ⊥T⊥	350mA T⊥⊥	250mA ⊥⊥⊥
	Current Tolerance	±25mA							
	DC Voltage	3-29V	3-33V	3-26V	3-40V	3-42V	3-42V	3-42V	3-42V
	Rated power	20W	20W	20W	20W	18.9W	16.8W	14.7W	10.5W
Input	Rated Input Voltage	100-277VAC							
	Rated Frequency	47-63HZ							
	Power Factor	Full loading ≥0.95@120VAC; ≥ 0.88@277VAC							
	Efficiency (Typ.)	Full loading ≥78%@120VAC; ≥ 78%@277VAC							
	AC Current (Max.)	0.3A							
	Inrush Current (Typ.)	2.56A,18us @ 50%Ipeak at 120VAC; 3.04A,10us @ 50%Ipeak at 277VAC							
	Leakage current	<0.50mA							
Protection	Short Circuit	Constant current mode, recovers automatically after fault condition is removed							
	Output No-Load Voltage	52V max.							
	Over temperature	Ambient temp. over 50±5℃, output current will be reduced to 50%; Ambient temp. over 60±5℃, output will be off; recovers automatically after temp. drops.							
	Protection Class:	II							
Environ-ment	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 10min./1 cycle,period for 60min.each along X,Y,Z axes							
Safety & EMC	Safety standards	UL8750							
	Withstand voltage	I/P-O/P:1.80KVAC							
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25℃/70%RH							
	EMC emission	FCC 47 CFR Part 15 ,Subpart B							

Others	Weight	0.115Kg
	Size	159.5*43*20mm(L*W*H)
	packing	340*250*135mm (50PCS/CTN) for outer carton 6.52KG/CTN
Notes	1. All parameters NOT specially mentioned are measured at 120VAC input, rated load and 25℃of ambient temperature. 2. Tolerance: includes set us tolerance, line regulation and load regulation.	

■ Mechanical Specification



※Input with DG126 terminals 3P: Live Wire AC (L), Neutral Wire AC(N)

※Output LED SEC with DG126 terminals 2P: output Positive (LED+), output negative (LED-). Connected to LED Lamps.

※ Suggested wire diameter: Input 0.75-2mm^2; Output:0.5-2mm^2.

※ 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

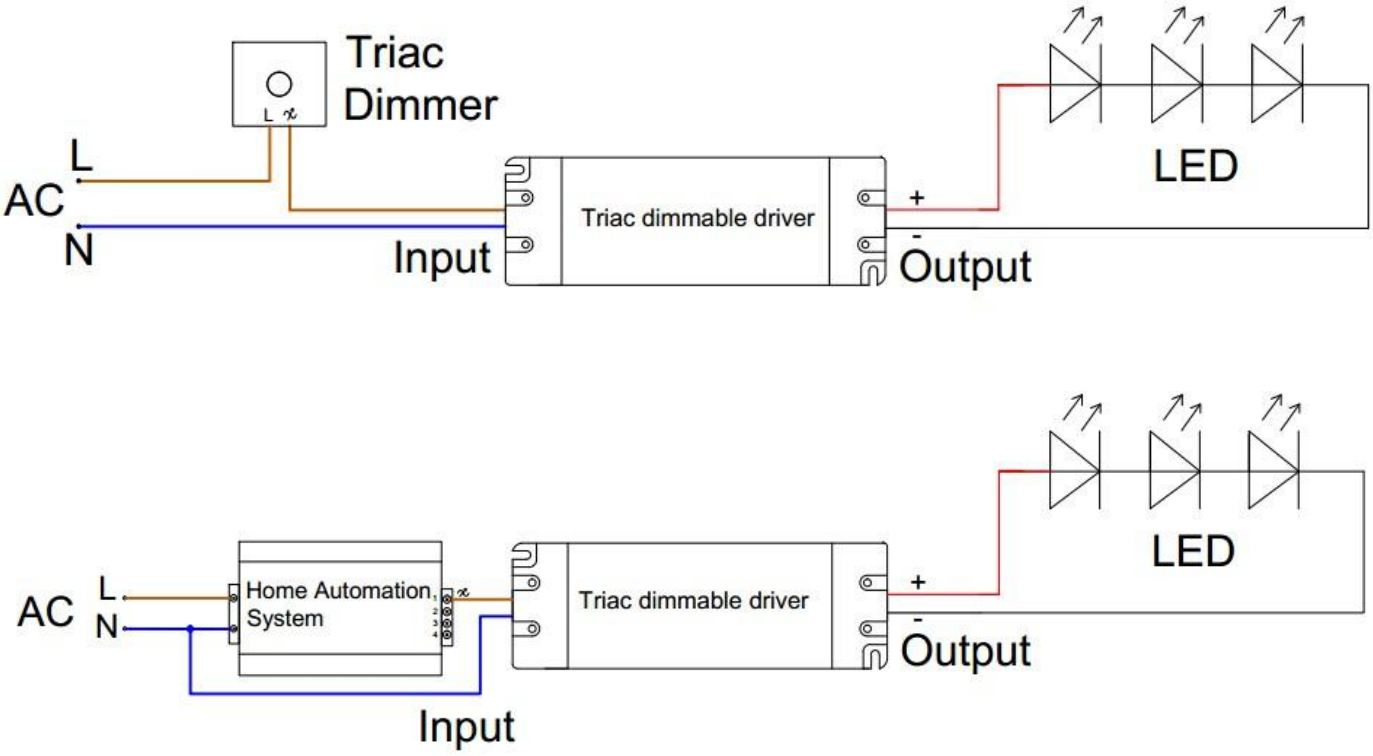
※Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a Triac dimmer.

※Usually matching with leading edge and trailing edge both.

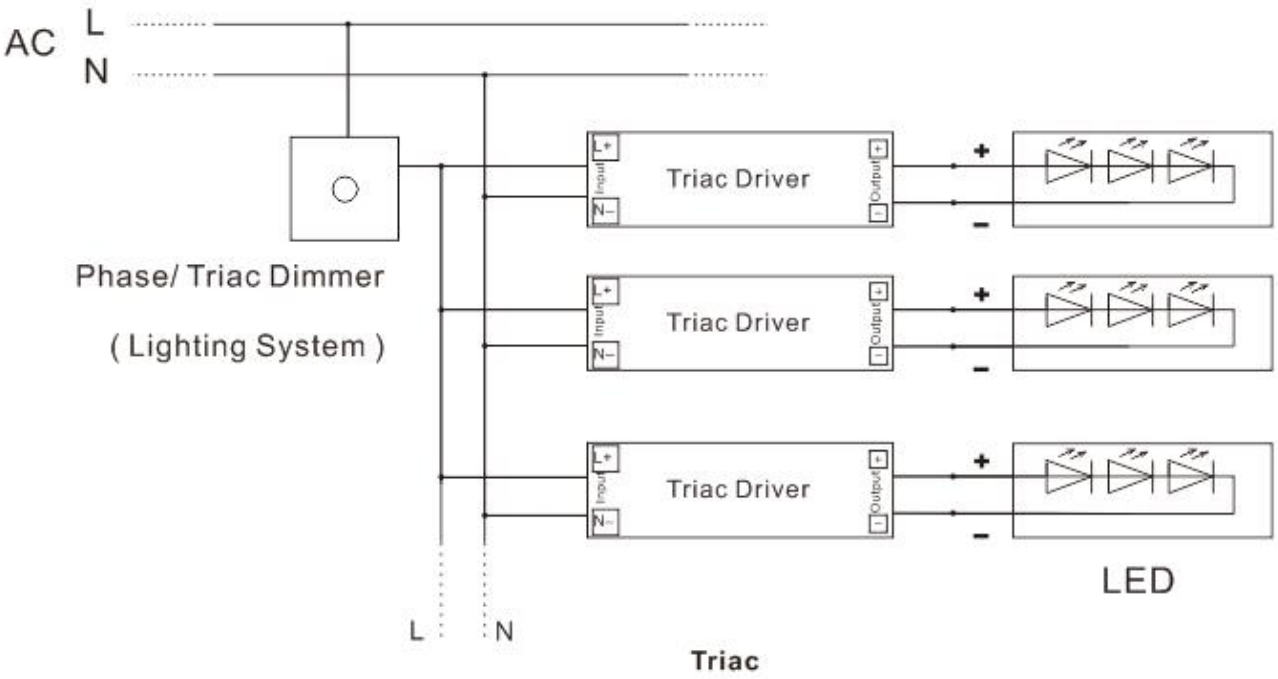
※please try to use the small power dimmer, have access to a wider dimming range, high-power dimmer is difficult to achieve the output current to zero

※please try to use dimmers with power at least 2 times as the output power of the driver.

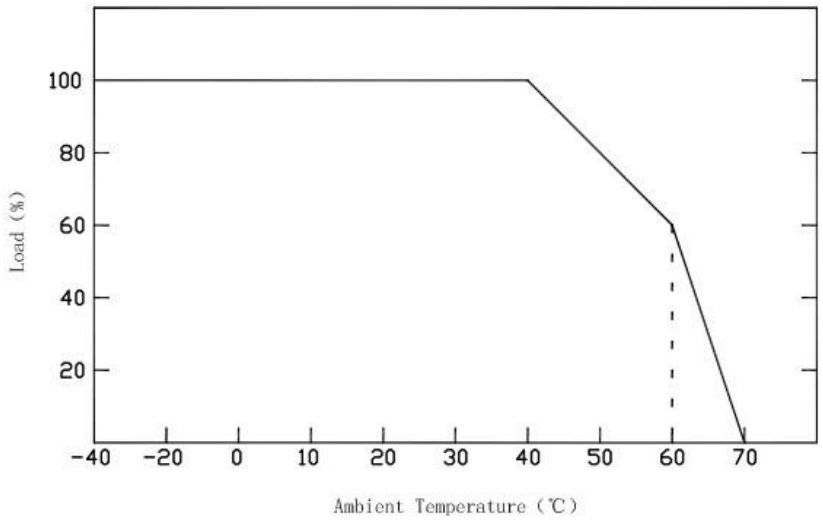
■ Connecting Diagram in Single (I)



■ Connecting Diagram Multiple (II)



■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, don't maintain privately;
5) Have any question, please contact Shengchang Electronics (SC POWER).

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