LUMINAIRE Galarneau

Triac dimmable LED Constant Current driver with DIP Adjustment Multi-current KIF-TDW series 60W

IP20 SELV

■ Features:

·Output constant current
·Range AC input :100-277VAC
·Efficiency up to 83%
·Built-in active PFC function
·Protections: short circuit/over current/over temperature
·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 or systems
·Strong compatibility, flicker-free dimming
·Suitable for LED lighting and moving sign applications

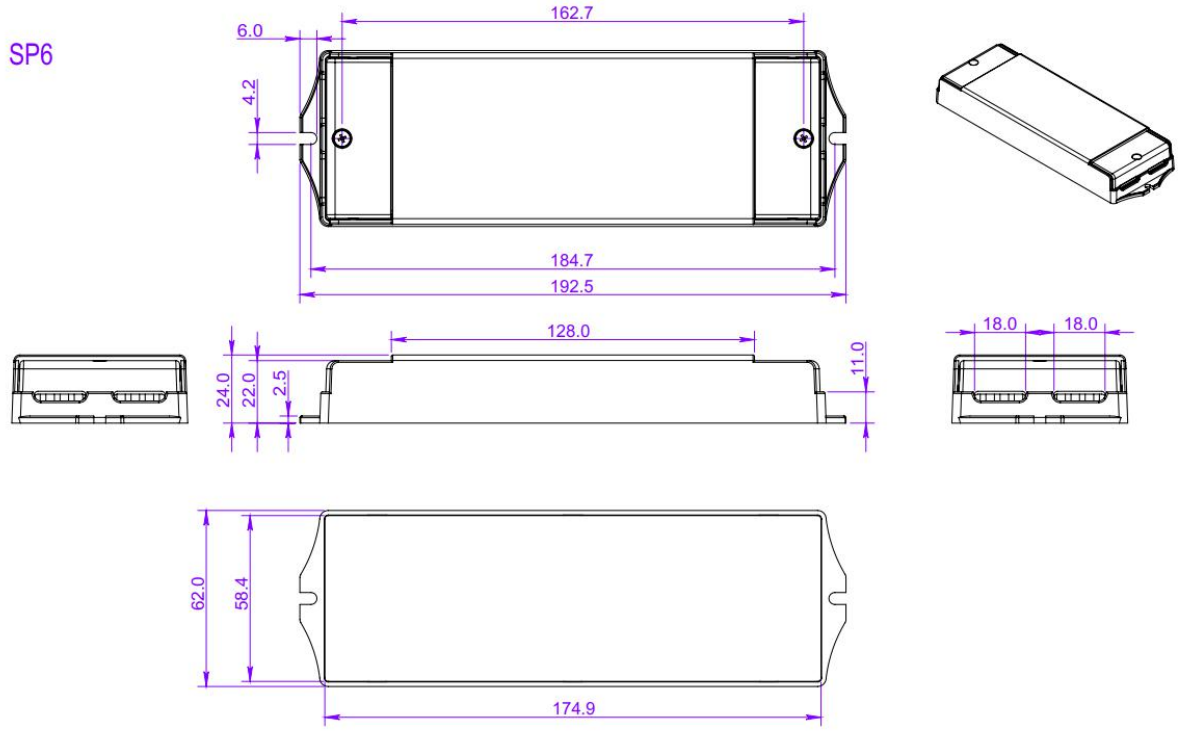
■ Specification

T ON ⊥ OFF

	Model	KIF-060-TDW															
Output	Rated current (A)	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
	DIP Code	⊥⊤⊤⊤		⊥⊤⊤⊥		⊥⊤⊥⊤		⊥⊤⊥⊥		⊥⊥⊤⊤		⊥⊤⊥⊤		⊥⊥⊤⊤		⊥⊤⊤⊤	
	DIP Code		⊤⊤⊤⊥		⊤⊤⊥⊤		⊤⊥⊤⊥		⊤⊥⊥⊤		⊤⊥⊥⊤		⊤⊤⊥⊥		⊤⊥⊤⊤		⊤⊤⊤⊤
	Current Tolerance	±5%															
	DC Voltage (V)	3-65V				3-60	3-55	3-50	3-46	3-43	3-40	3-38	3-35	3-33	3-32	3-30	3-29
	Rated power (W)	39	45.5	52	58.5	60											
Input	Rated Input Voltage	100-277VAC															
	Rated Frequency	47-63HZ															
	Power Factor	Full loading ≥0.99@120VAC 60Hz; ≥0.96@277VAC 60Hz;															
	Efficiency (Typ.)	Full loading ≥83%@120VAC 60Hz;															
	AC Current (Max.)	0.78A															
	Inrush Current (Typ.)	10A 90us @ 50% Ipeak at 120VAC 24A 80us @ 50% Ipeak at 277VAC															
	Leakage current	<0.50mA															
Protec-tion	Short Circuit	Constant current mode, recovers automatically after fault condition is removed															
	Output No-Load Voltage	75V 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															

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 10min./1 cycle, period for 60min.each along X,Y,Z axes
Safety	Safety standards	EN61347-1 EN61347-2-13 / UL8750
	Withstand voltage	I/P-O/P:3.75KVAC
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25℃/70%RH
Others	Weight	0.225Kg
	Size	192.5*62*24mm(L*W*H)
	packing	290*215*140mm (20PCS/CTN) for outer carton 7.5KG/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.	

■ Mechanical Specification



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

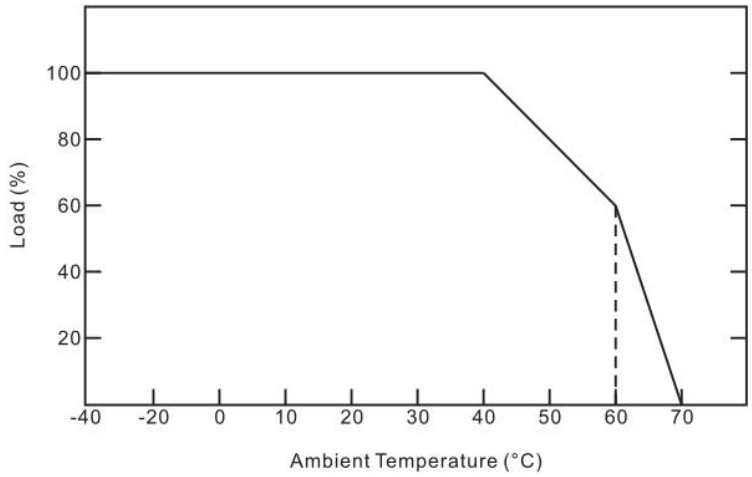
※Output LED SEC with DG126 terminals 2P: output Positive (LED+), output negative (LED-). Connected to LED Lamps.

※ 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.

■Derating Curve



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

■Dimming Operation

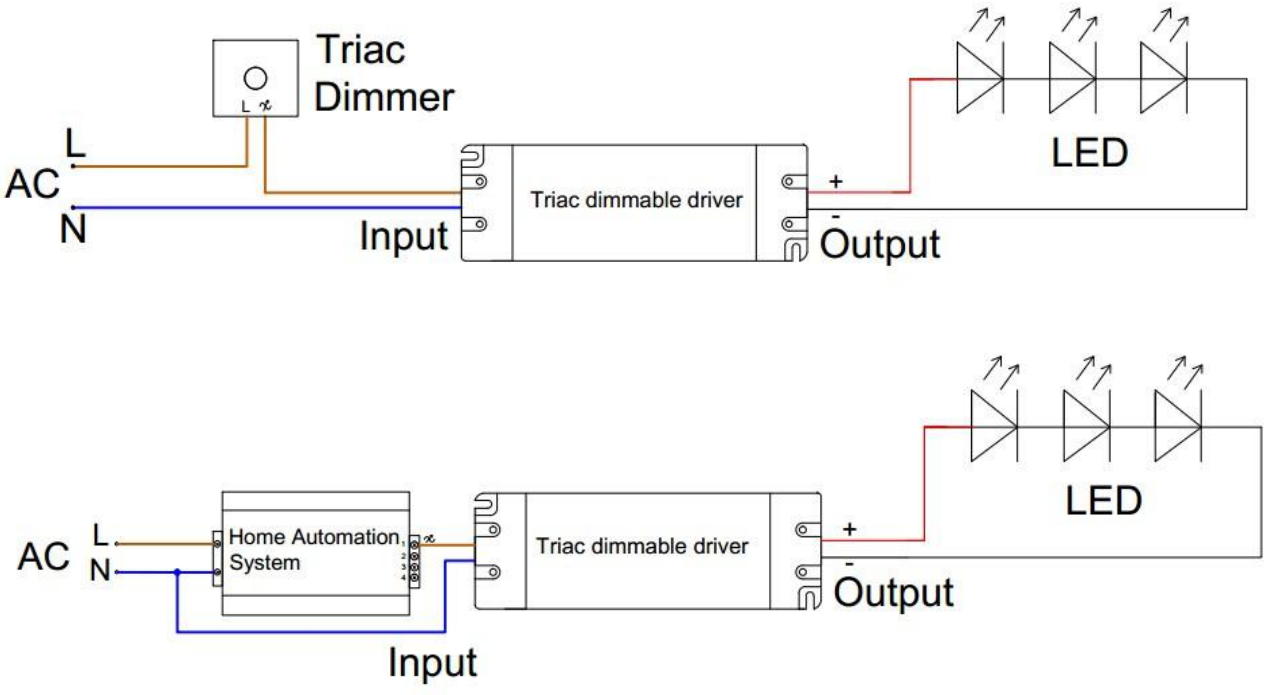
※Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a Triac dimmer.

※Usually matching with leading edge and trailing edge dimmer both.

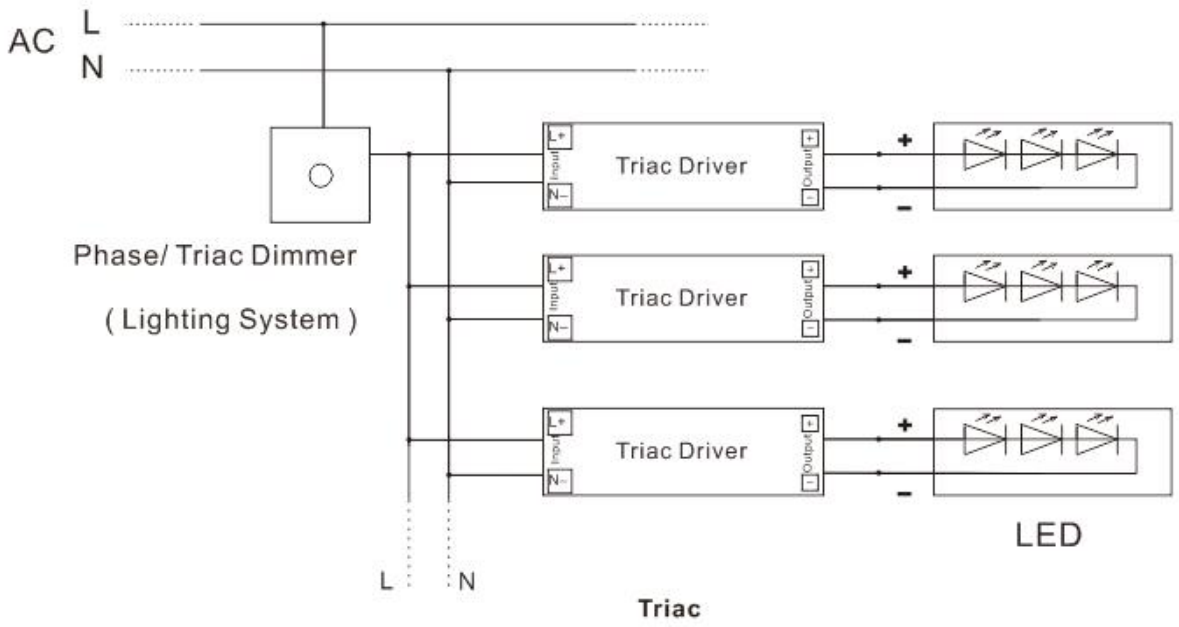
※please try to use the small power dimmer, have access to a wider dimming range,
high-power dimmer is difficult to achieve the output current to zero

※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)



■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