

Triac dimmable LED Constant Current driver with DIP Adjustment Multi-current KIF-TDW series 10W













UL

■ Specification

■ Features:

- ·Output constant current
- ·Range AC input :100-277VAC
- ·Efficiency up to 75%
- ·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



Output Current Tolerance ±25mA DC Voltage 3-22V 3-25V 3-28V 3-33V 3-40V 3-42V 3-42V Rated power 10W 10W 10W 10W 10W 8.4W 6.3W Input Rated Input Voltage 100-277VAC Rated Frequency 47-63HZ Power Factor Full loading ≥0.98@120VAC; ≥0.9@27VAC AC Current (Max.) 0.16A Inrush Current (Typ.) 2.16A,7us @ 50%lpeak at 120VAC; ≥75%@277VAC Leakage current <0.50mA Short Circuit Constant current mode, recovers automatically after fault condition is removed Output No-Load Voltage 52V max. Protection Class: II Working TEMP. -40+60°C Working Humidity 20-90%RH, non-condensing Storage TEMP. Humidity 20-90%RH, non-condensing TEMP. coefficient ±0.03%/°C (0-50°C) Vibration 10-500Hz, 2G 10min./1 cycle,period for 60min.each along X,Y,Z axes							ΓDW	KIF-010-7	Model							
DC Voltage	1	150mA LTT		1					Rated current (mA)							
Rated power 10W 10W 10W 10W 10W 8.4W 6.3W									Current Tolerance	Output						
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Safety standards UL8750	±0.03%/℃ (0-50℃)							TEMP. coefficient								
	10-500Hz, 2G 10min./1 cycle,period for 60min.each along X,Y,Z axes							Vibration								
Safety Withstand voltage I/P-O/P:1.80KVAC	UL8750							Safety standards								
-	I/P-O/P:1.80KVAC							Withstand voltage	Safety							
& Isolation resistance I/P-O/P:100MΩ/500VDC/25°C/70%RH	I/P-O/P:100MΩ/500VDC/25°C/70%RH								Isolation resistance	&						
EMC emission FCC 47 CFR Part 15 ,Subpart B	FCC 47 CFR Part 15 ,Subpart B						EMC emission	EMC								

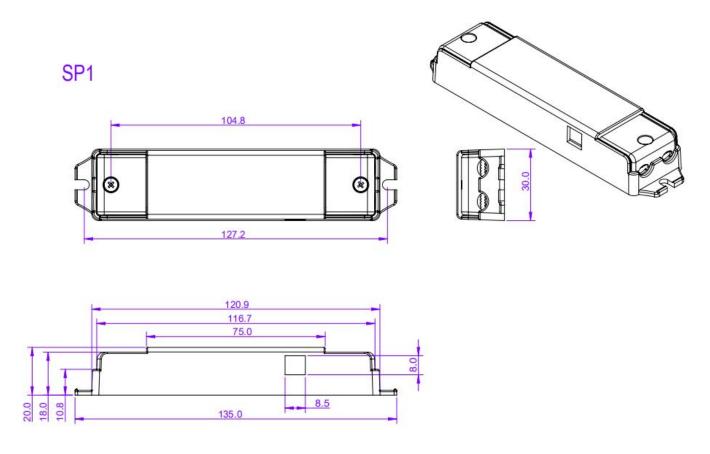
Data Sheet: Mar.8th 2020 Subject to change without notice website: www.luminairegalarneau.com E-mail: raymond@luminairegalarneau.com



Triac dimmable LED Constant Current driver with DIP Adjustment Multi-current KIF-TDW series 10W

	Weight	0.065Kg						
Others Size		135*30*20mm(L*W*H)						
	packing	140*33*23mm for inner box 350*300*135mm (100PCS/CTN) for outer carton 7.6KG/CTN						
1. All parameters NOT specially mentioned are measured at 120VAC input, rated load and 25°C of ambient temperature.								
Notes	2. Tolerance: includes set us tolerance, line regulation and load regulation.							

■ Mechanical Specification



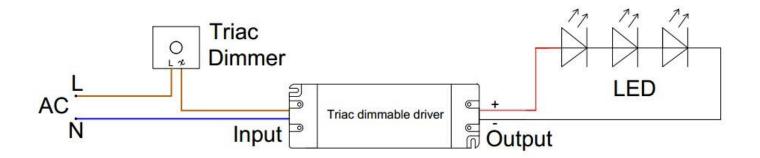
- XInput with DG126 terminals 3P: Live Wire AC (L), Neutral Wire AC(N)
- ※Output LED SEC with DG126 terminals 2P: output Positive (LED+), output negative (LED-). Connected to LED Lamps.
- ※ Suggested wire diameter: Input 0.75-2mm²; Output:0.5-2mm².
- ** Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.
- Note: Any other requests we can customized.

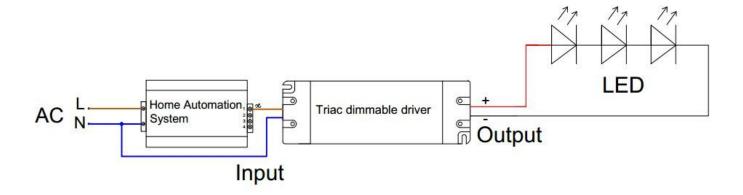
■Dimming Operation

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

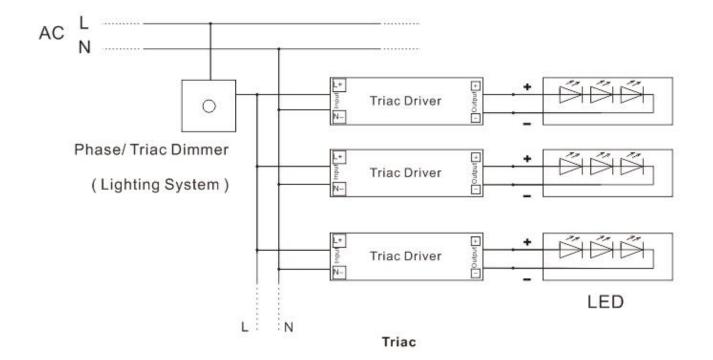


■ Connecting Diagram in Single (I)





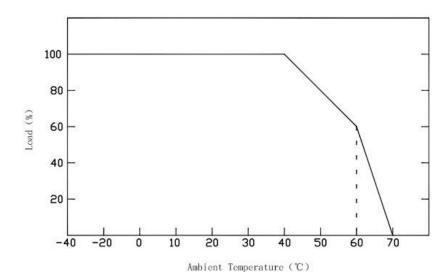
■ Connecting Diagram Multiple (II)



website: www.luminairegalarneau.com



■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