

LED Intelligent Driver

2~36W 200~1200mA 10~54Vdc

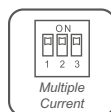
- Dimming interface: Triac/ELV.
- Apply to leading edge / trailing edge Triac dimmers and dimming system.
- Built-in high performance MCU, dimming curve can be customized.
- Dimming range: Max. 0.1~100%.
- Power factor > 0.9, Efficiency > 85%
- Multiple current, wide voltage, compatible with a variety of LED lights.
- Short circuit / Over-heat / Over load protection.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



Dimmable:

 Max: 0.1~100%

SELV           



Main Characteristics

Dimming Interface: Triac/ELV
 Input Voltage Range: 200-240Vac $\pm 10\%$
 Frequency: 50/60Hz
 Input Current: 230Vac $\leq 0.21A$
 Power Factor: PF > 0.9/230Vac, at full load
 Efficiency: > 85%
 Inrush Current(typ.): Cold start 50A at 230Vac
 Control surge capability: L-N: 1kV
 Leakage Current: < 0.5mA/230Vac
 Operating Voltage: 10-54Vdc
 Output Power Range: 2W~36W

Current Accuracy: $\pm 3\%$
 Max Output Voltage: Max. 58Vdc
 Dimming Range: Max. 0.1~100%.
 PWM Frequency: 200~500Hz
 Working Temperature: tc: 80°C ta: -30°C ~ 55°C
 Working Humidity: 20 ~ 95%RH, non-condensing
 Storage Temp., Humidity: -40 ~ 80°C, 10~95%RH
 Temp. Coefficient: $\pm 0.03\%/^{\circ}C(0-50^{\circ}C)$
 Vibration: 10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

Output Current :	200mA	350mA	500mA	600mA	700mA	900mA	1050mA	1200mA
Output Voltage :	10-54V	10-54V	10-54V	10-54V	10-52V	10-40V	10-35V	10-30V
Output Power :	2W-10.8W	3.5W-18.9W	5W-27W	6W-32.4W	7W-36.4W	9-36W	10.5-36.75W	12-36W

Protection

Over-heat Protection: PCB temp. > 110°C, shut down;
 100°C~110°C, output power reduces to 50%
 of current power; < 90°C, normal.
 Over Load Protection: Shut down the output when rated power $\geq 102\%$
 ~125%, auto recovers when the load is reduced.
 Short Circuit Protection: Shut down automatically if short circuit occurs,
 auto recovers after faulty condition is removed.

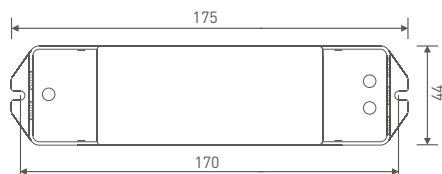
Safety & EMC

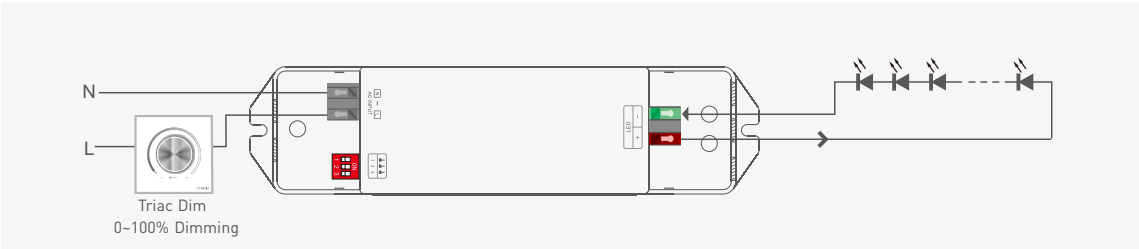
Withstand Voltage: I/P-O/P: 3750Vac
 Isolation Resistance: I/P-O/P: 100M Ω /500VDC/25°C/70%RH
 Safety Standards: IEC/EN61347-1, IEC/EN61347-2-13

Others

Dimension: 175x44x30mm(LxWxH)
 Packing: 178x48x33mm(LxWxH)
 Weight(G.W.): 165g $\pm 10g$


Dimensions





LED Current Selection

Quick options: DIP switch for 8 optional currents' quick selection(see the table below).



200mA	350mA	500mA	600mA	700mA	900mA	1050mA	1200mA	ON	OFF	
10-54V	10-54V	10-54V	10-54V	10-52V	10-40V	10-35V	10-30V			

* After current setting by DIP switch, power off and then power on to make the new current effective.

* E.g. LED 3.2V/pcs: 10-54V can power 3-16pcs LEDs in series, 10-30V can power 3-9pcs LEDs, the max quantity of LEDs in series will be subject to the actual voltage of LED.

* No further notice if any changes in the manual.
Product function depends on the goods.
Please feel free to contact our official distributor if any question.