

## LED Intelligent Driver

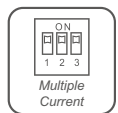
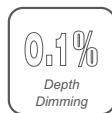
0.3-15W 100-400mA 3-54Vdc

- Dimming interface: Triac/ELV.
- Apply to leading edge and trailing edge TRIAC dimmers.
- Built-in high performance MCU, dimming curve can be customized.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range: Max. 0.1~100%.
- 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:  
.....  
0.1%~100%

SELV



## Main Characteristics

Dimming Interface: Triac/ELV  
 Input Voltage Range: 200~240Vac ±10%  
 Frequency: 50/60Hz  
 Input Current: 230Vac ≤ 0.18A  
 Efficiency: >83%  
 Inrush Current(typ.): Cold start 45A at 230Vac  
 Control Surge Capability: L-N: 1kV  
 Leakage Current: <0.5mA/230Vac  
 Operating Voltage: 3-54Vdc  
 Output Power Range: 0.3W~15W

Current Accuracy: ±3%  
 No Load Output Voltage: ≤58Vdc  
 PWM Frequency: 200Hz~500Hz  
 Dimming Range: Max. 0.1~100%.  
 Working Temperature.: tc: 75°C ta: -30°C ~ 55°C  
 Working Humidity: 20 ~ 95%RH, non-condensing  
 Storage Temp., Humidity: -40 ~ 80°C, 10~95%RH  
 Temp. Coefficient: ±0.03%/°C(0-50°C)  
 Vibration: 10~500Hz, 2G 12min./1 cycle, period for 72min. each along X, Y, Z axes.

Output Current :	100mA	120mA	150mA	200mA	250mA	300mA	350mA	400mA
Output Voltage :	3-54V	3-54V	3-54V	3-54V	3-54V	3-50V	3-42V	3-38V
Output Power :	0.3-5.4W	0.4-6.5W	0.5-8.1W	0.6-11W	0.8-13.5W	0.9-15W	1.1-14.7W	1.2-15.2W

\* The dimming range parameters adopted LUTRON® dimming system as testing standards. The parameters may differ by using Triac/ELV dimming systems of different brands. We can customize program for clients' high requirements.

Attn: LUTRON® is registered trademarks of Lutron Electronics Co., Inc. registered in the U.S. and other countries

## Protection

Over-heat Protection: Shut down the output when PCB temp. ≥ 110°C, auto recovers when temp. back to normal.  
 Over Load Protection: When O/P voltage exceed its range, O/P current declines, auto recovers when the load is reduced.  
 Short Circuit Protection: Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

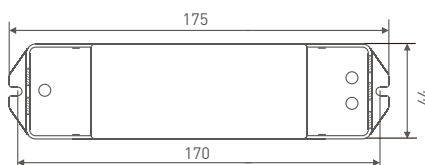
## Safety &amp; EMC

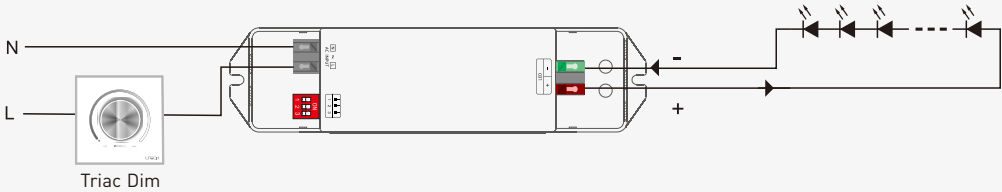
Withstand Voltage: I/P-O/P: 3750Vac  
 Isolation Resistance: I/P-O/P: 100MΩ/500VDC/25°C/70%RH  
 Safety Standards: IEC/EN61347-1, IEC/EN61347-2-13

## Others

Dimension: 175×44×30mm(L×W×H)  
 Packing: 178×48×33mm(L×W×H)  
 Weight(G.W.): 155g±10g

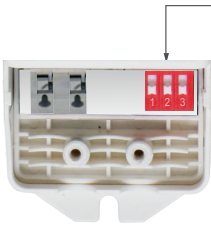
## Dimensions





LED Current Selection

The current can be easily configured by choosing the correct combination of the DIP switches (see the table below).



100mA	120mA	150mA	200mA	250mA	300mA	350mA	400mA	ON	OFF					
3-54V	3-54V	3-54V	3-54V	3-54V	3-50V	3-42V	3-38V							

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

\* E.g. LED 3.2V/pcs:  
3-54V can power 1-16pcs LEDs in series, 3-36V can power 1-11pcs LEDs in series, the maximum 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.