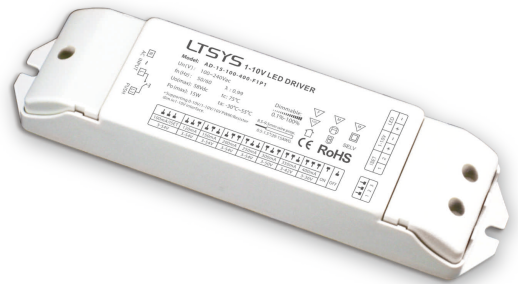
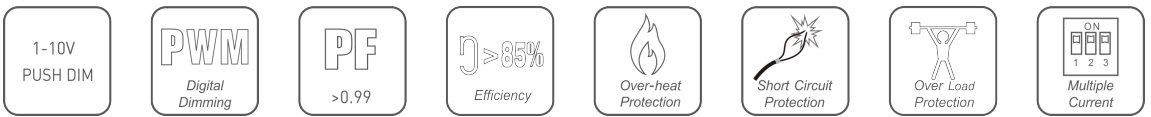


LED Intelligent Driver

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



- Dimming interface: 1-10V (0-10V/10VPWM/resistor), Push Dim.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range: 0~100%, LED start at 0.1% possible.
- Multiple current, wide voltage, compatible with a variety of LED lights.
- Power factor > 0.99, Efficiency > 85%
- 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.



Main Characteristics

Dimming Interface: 1-10V (0-10V/10VPWM/Resistor), Push Dim
 Input Voltage Range: 100-240Vac ±10%
 Frequency: 50/60Hz
 Input Current: 115Vac≤0.20A, 230Vac≤0.10A
 Power Factor: PF>0.99/115Vac, PF>0.95/230Vac, at full load
 THD: ≤12% at 115Vac, ≤15% at 230Vac (full load)
 Efficiency: ≥85%
 Inrush Current(typ.): Cold start 20A@230Vac
 Leakage Current: <0.5mA/230Vac
 Operating Voltage: 3~54Vdc

Output Power Range: 0.3W~15W
 Current Accuracy: ±3%
 No Load Output Voltage: 58Vdc
 Dimming Range: 0~100%, LED start at 0.1% possible.
 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./1cycle, 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	3-36V
Output Power :	0.3-5.4W	0.4-6.5W	0.5-8.1W	0.6-11W	0.8-13.5W	0.9-15W	1.1-15W	1.2-15W

Protection

Over-heat Protection: Shut down the output when PCB temp. ≥110°C, auto recovers when temp. back to normal.
 Over Load Protection: O/P current declines when Power Load ≥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.

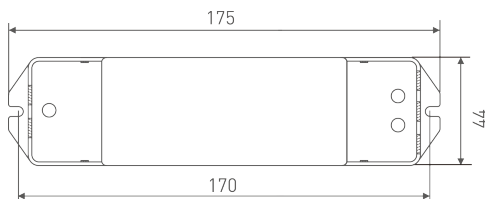
Safety & EMC

Withstand Voltage: I/P-O/P: 3750Vac
 Isolation Resistance: I/P-O/P: 100MΩ/500VDC/25°C/70%RH
 Safety Standards: IEC/EN61347-1, IEC/EN61347-2-13
 EMC Emission: EN55015, EN61000-3-2 Class C, IEC61000-3-3
 EMC Immunity: EN61000-4-2,3,4,5,6,8,11 EN61547

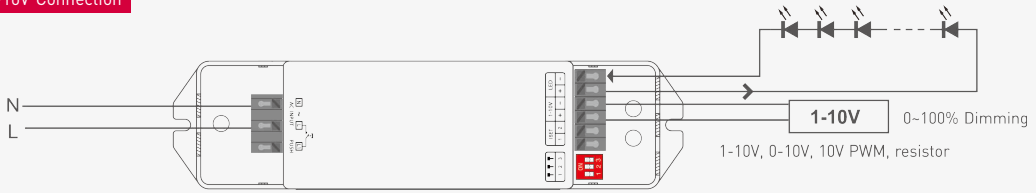
Others

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

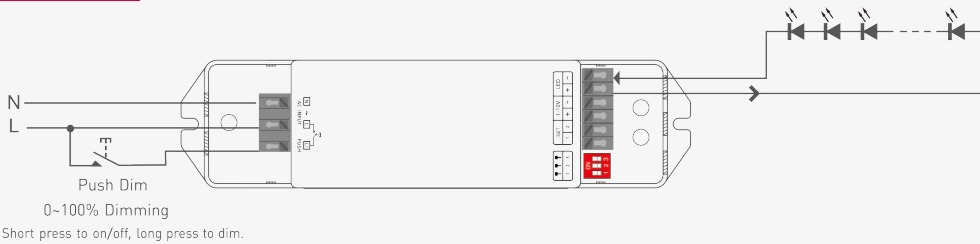
Dimensions



1-10V Connection



Push Dim Connection



The dimming interface priority: First 1-10V, next Push Dim,

Push Dimming

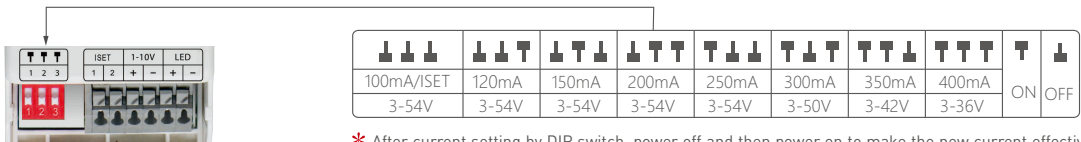


Reset Switch

- On/off control: Short press.
- Stepless dimming: Long press.
- With every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.

LED Current Selection

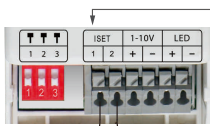
Quick options: DIP switch for 8 optional currents' quick selection[see the table below].



* 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, the max quantity of LEDs in series will be subject to the actual voltage of LED.

Advanced options: Dial DIP switch down , connect ISET port with resistors of different values to set up any current from 100mA to 400mA (specific resistor values refer to the table).



Connect t resistor

Connecting ISET with resistors can obtain the following typical currents.

Current (mA)	100mA	125mA	150mA	175mA	200mA	225mA	250mA	275mA	300mA	325mA	350mA	375mA	400mA
Resistor K		75.30 K	36.70 K	26.90 K	16.56 K	15.30 K	9.10 K	6.93 K	5.94 K	3.38 K	2.95 K	1.10 K	0 K