

LED Intelligent Driver

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

- Dimming interface: 0-10V (compatible with 1-10V/PWM/RX), Push Dim.
- Built-in high performance MCU, dimming curve can be customized.
- 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 > 89%.
- Short circuit / Over-heat / Over load protection.
- Non-load output voltage 0V to prevent damages to LED caused by poor contact.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



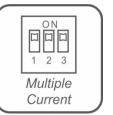
5 in 1 dimming

- 0-10V
- 1-10V
- PWM
- RX
- Push DIM

Dimmable:

 0.1%~100%

SELV



Main Characteristics

Dimming Interface: 0-10V (compatible with 1-10V/PWM/RX), Push Dim
 Input Voltage Range: 100-277Vac ±10%
 Frequency: 50/60Hz
 Input Current: 115Vac ≤ 0.45A, 230Vac ≤ 0.25A
 Power Factor: PF > 0.99/115Vac, PF > 0.95/230Vac, at full load
 THD: ≤ 16% at 115Vac, ≤ 20% at 230Vac, at full load
 Efficiency: > 89%
 Inrush Current(typ.): Cold start 20A at 230Vac
 Control Surge Capability: L-N: 1kV
 Leakage Current: < 0.5mA/230Vac
 Operating Voltage: 10-54Vdc
 Output Power Range: 2W-36W

Current Accuracy: ±3%
 Max. Output Voltage: 58Vdc
 No Load Output Voltage: 0Vdc
 Dimming Range: 0~100%, LED start at 0.1% possible.
 PWM Frequency: ≤ 4KHz
 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 :	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:** Shut down the output when PCB temp. ≥ 110°C, auto recovers when temp. back to normal.
- Over Load Protection:** Shut down the output when rated power ≥ 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.

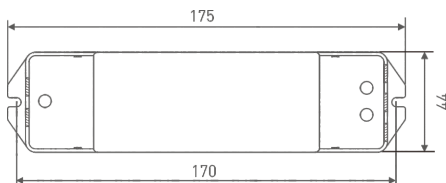
Safety & EMC

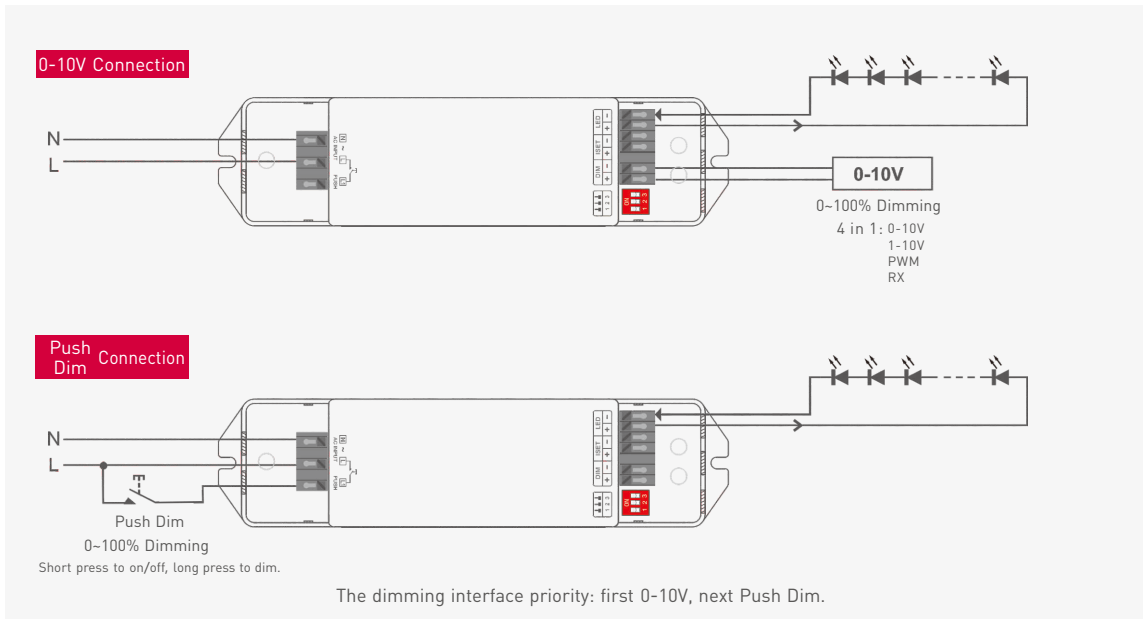
- Withstand Voltage:** I/P-O/P: 3750Vac
- Isolation Resistance:** I/P-O/P: 100MΩ/500VDC/25°C/70%RH
- Safety Standards:** IEC/EN61347-1, IEC/EN61347-2-13
- EMC Emission:** EN55015, EN61000-3-2 Class C, IEC61000-3-3
- EMC Immunity:** EN61000-4-2,3,4,5,6,8,11 EN61547

Others

- Dimension:** 175x44x30mm(LxWxH)
- Packing:** 178x48x33mm(LxWxH)
- Weight[G.W.]:** 175g±10g

Dimensions





Push Dimming

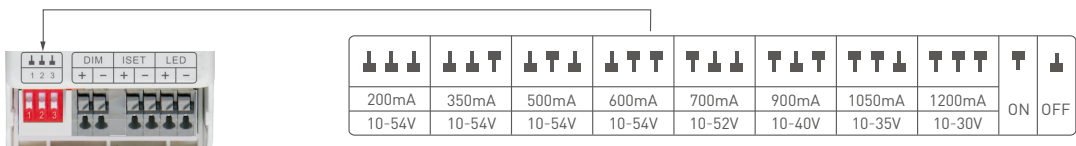


Reset Switch

- 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: 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.

Advanced options: connect ISET port with resistors of different values to set up any current from 200mA to 1200mA. [specific resistor values refer to the table].

