

## LED Intelligent Driver

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

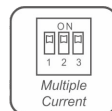
- Dimming interface: 1-10V [0-10V/10VPWM/resistor], Push Dim.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range: 0~100%, LED start at 0.1% possible.
- Multiple current, wide voltage, compatible with a variety of LED lights.
- Power factor > 0.99, Efficiency > 89%.
- Short circuit / Over-heat / Over load protection.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV



RoHS



## Main Characteristics

Dimming Interface:	1-10V [0-10V/10VPWM/Resistor], 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 Current :	200mA	350mA	500mA	600mA	700mA	900mA	1050mA	1200mA
Output Voltage :	10-54V	10-54V	10-54V	10-54V	10-52V	10-40V	10-34V	10-30V
Output Power :	2W-10.8W	3.5W-18.9W	5W-27W	6W-32.4W	7W-36.4W	9-36W	10.5-35.7W	12-36W

Output Power Range:	2W~36W
Current Accuracy:	±3%
No Load Output Voltage:	Max. 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

## Protection

Over-heat Protection:	Ambient Temp. ≥ 65°C, shut down the output, 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.

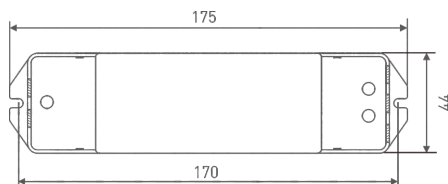
## Safety &amp; EMC

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
EMC Emission:	EN55015, EN61000-3-2 Class C, IEC61000-3-3
EMC Immunity:	EN61000-4-2,3,4,5,6,8,11 EN61547

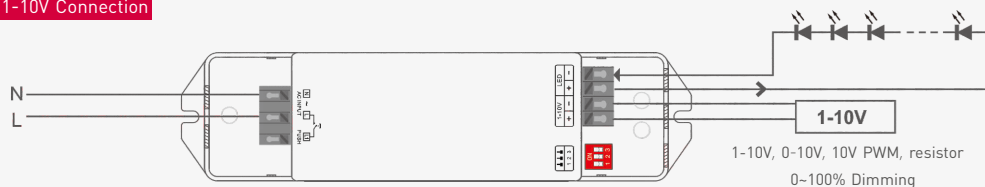
## Others

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

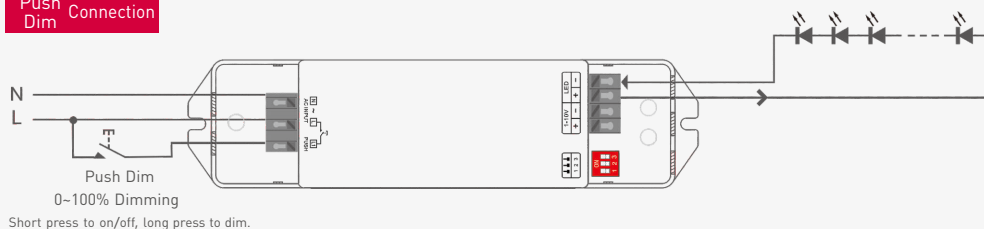
## Dimensions



## 1-10V Connection



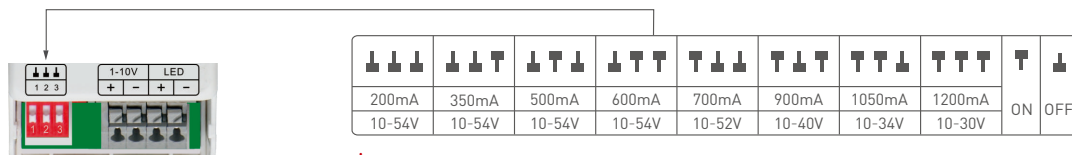
## Push Dim Connection



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

## 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.