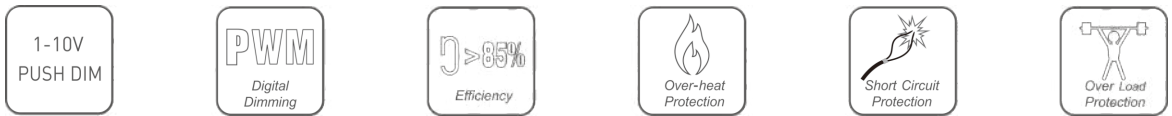


LED Intelligent Driver

36W 3A 12Vdc

- Dimming interface: 1-10V (0-10V/10VPWM/resistor), Push Dim.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range from 0-100%, LED start at 0.1% possible.
- 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 ≤ 0.8A, 230Vac ≤ 0.4A
 Efficiency: ≥ 85%
 Inrush Current(typ.): Cold start 20A at 230Vac
 Leakage Current: <0.5mA/230Vac
 Output Current: Max. 3A
 Output Voltage: 12Vdc
 Output Voltage Range: 12Vdc ±0.5Vdc

Ripple & Noise: ≤ 200mV
 Output Power: Max. 36W
 Output Power Range: 1-36W
 Overload Power Limitation: ≥ 102%-125%
 Dimming Range: 0-100%, LED start at 0.1% possible.
 Working Temperature.: tc: 70°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

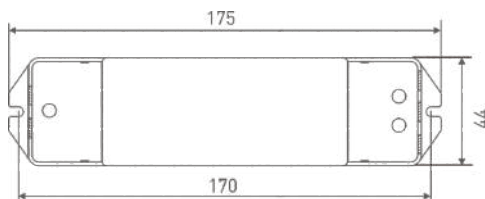
Protection

Over-heat Protection: Shut down the output when PCB temp. ≥ 110°C, auto recovers when temp. back to normal.
 Over Load Protection: Shut down the output when Current Load ≥ 102%-125%, auto recovers after faulty condition is removed.
 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

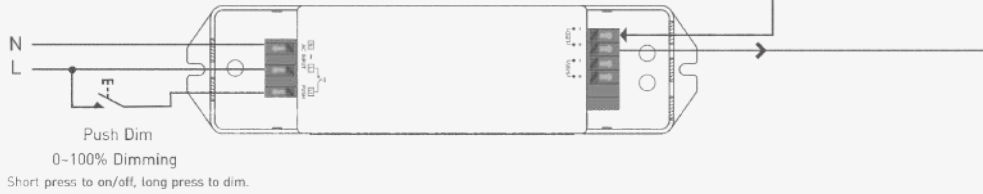
Dimensions



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.