

LED Intelligent Driver (DIN Rail)

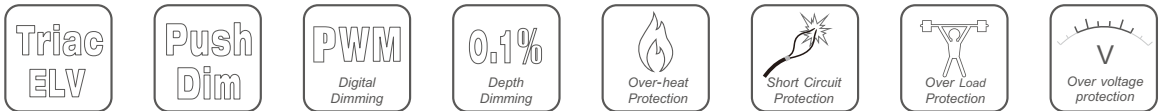
50W 4.2A 12Vdc

- Dimming interface: Triac/ELV, Push DIM.
- 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 temperature.
- Dimming range: Max. 0.1~100%.
- Short circuit / Over-heat / Over load / Over voltage protection.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



Dimmable:  
 .....  
 Max: 0.1-100%

SELV □ ▽ ▽ ▽ ▽ ▽ ▽ ▽ ▽ ▽ ▽ CE RoHS



Main Characteristics

Dimming Interface:	Triac/ELV, Push Dim	Ripple & Noise:	≤200mV
Input Voltage Range:	200-240Vac ±10%	Output Power:	Max. 50W
Frequency:	50/60Hz	Output Power Range:	1~50W
Input Current:	230Vac≤0.45A	Overload Power Limitation:	≥102%~125%
Efficiency:	>84%	PWM Frequency:	200Hz~500Hz
Inrush Current(typ.):	Cold start 40A at 230Vac	Dimming Range:	Max. 0.1~100%
Control Surge Capability:	L-N: 1kV	Working Temperature.:	tc: 70°C ta: -30°C ~ 55°C
Leakage Current:	I/P-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac	Working Humidity:	20 ~ 95%RH, non-condensing
Output Current:	Max. 4.2A	Storage Temp., Humidity:	-40 ~ 80°C, 10~95%RH
Output Voltage:	12Vdc	Temp. Coefficient:	±0.03%/°C(0-50°C)
Output Voltage Range:	12Vdc ±0.5Vdc	Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

\* 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.  
 ATT: 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 Voltage Protection: Shut down the output when non-load Voltage ≥13~18V, re-power on to recover after fault condition is removed.
- 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.

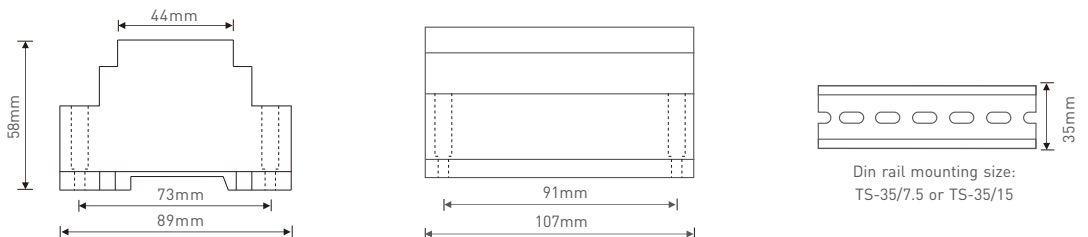
Safety & EMC

- 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

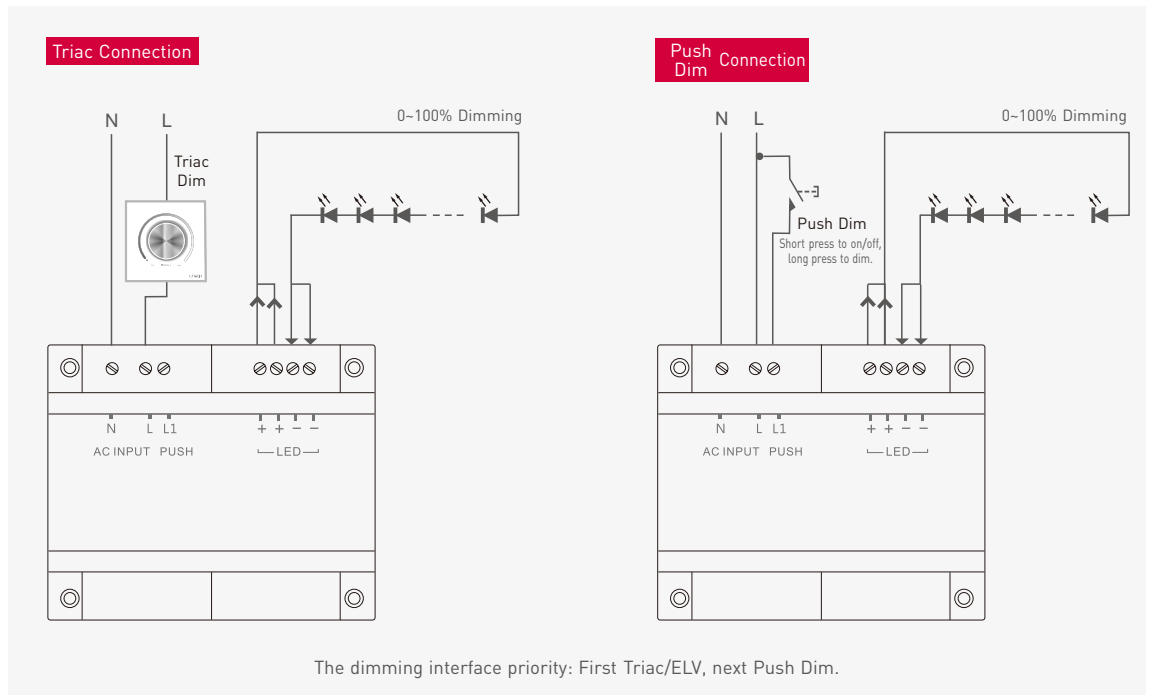
Others

- Dimension: L107×W89×H58mm
- Packing: L109×W99×H63mm
- Weight[G.W.]: 260g±10g

Dimensions



Din rail mounting size:  
 TS-35/7.5 or TS-35/15



## 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.

\* 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.