

1.35~9W 150~500mA 9~36Vdc

- Support Triac leading edge, ELV trailing edge phase-cut dimming.
- Super small size, can be built-in the guide rail shooting light.
- T-PWM™ digital dimming, present a perfect visual experience.
- Dimming range: 0~100%, LED start dimming from < 0.1%.
- Flicker-free (IEEE-PAR 1789), achieve the level of exemption assessment.
- Innovative thermal management technology, intelligent power life protection .
- Multi-current & wide voltage, suitable for different power LED.
- Over load / Over-heat / Short circuit / Over voltage protection, recover automatically.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for internal lights application for I /II/III.

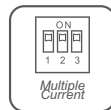


T-PWM™
Super depth dimming technology

Flicker-free
IEEE-PAR 1789

Dimmable:
0.1%~100%

SELV **RoHS**



Specification

Output

Output Voltage: 9-36Vdc
 Max Output Voltage: 40Vdc
 Output Current: 150-500mA
 Output Power Range: 1.35W~9W
 Fluctuation Level: Exemption assessment level.
 Dimming Range: 0~100%, dimming depth: <0.1%
 PWM Frequency: ≤3600z
 LF current ripple(<120Hz): <2%
 Current Accuracy: ±5%

Output Current:	150mA	200mA	250mA	300mA	350mA	400mA	450mA	500mA
Output Voltage:	9-36V	9-36V	9-36V	9-30V	9-26V	9-22.5V	9-20V	9-18V
Output Power:	1.35-5.4W	1.8-7.2W	2.25-9W	2.7-9W	3.15-9.1W	3.6-9W	4.05-9W	4.5-9W

Input

Dimming Interface: Triac leading edge / ELV trailing edge
 Input Voltage Range: 200-240Vac
 Frequency: 50/60Hz
 Input Current: 0.11A@230Vac
 Efficiency (typ.): 80%
 Inrush Current(typ.): Cold start 25A at 230Vac (twidth=240µs measured at 50% Ipeak)
 Control surge capability: L-N: 1kV
 Leakage Current: <0.5mA/230Vac

Protection

Over-heat Protection: Intelligently adjusting or turning off the output current if the PCB temperature ≥110°C. auto recovers.
 Over Load Protection: Power limit when Max. power loaded≥108%, auto recovers.
 Short Circuit Protection: Shut down automatically if short circuit occurs, auto recovers.
 Over Voltage Protection: Protection start if exceed non load voltage value, auto recovers.

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
 Strobe Test Standard: IEEE-PAR 1789

Others

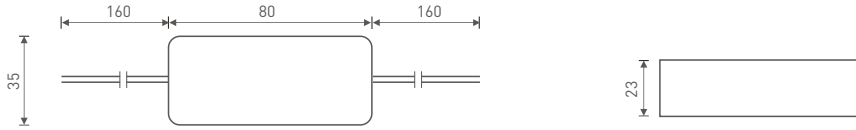
Dimension: 80×35×23mm(L×W×H)
 Packing: 93×43×27mm(L×W×H)
 Weight[G.W.]: 75g±10g

Environment

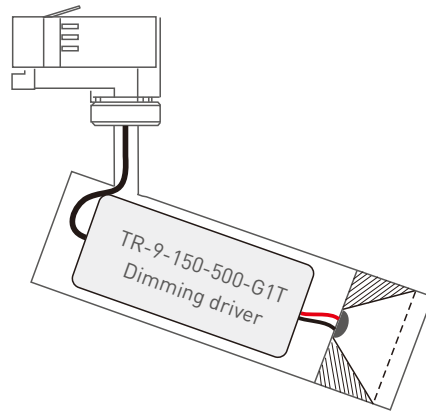
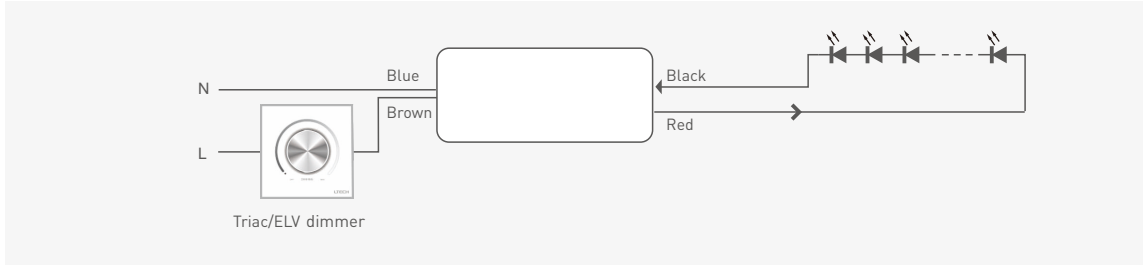
Working Temperature: ta: -20°C ~ 50°C tc: 85°C
 Working Humidity: 20 ~ 95%RH, non-condensing
 Storage Temp., Humidity: -40°C ~ 80°C, 10~95%RH
 Temp. Coefficient: ±0.03%/°C (0-50°C)
 Vibration: 10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes.

Dimensions

Unit : mm



Connections



LED Current Selection

Remove the housing, find the following DIP switch, 8 optional currents' quick selection as the table.

DIP switch	↓ ↓ ↓	↓ ↓ ↑	↓ ↑ ↓	↓ ↑ ↑	↑ ↓ ↓	↑ ↓ ↑	↑ ↑ ↓	↑ ↑ ↑	↑	↓
Output Current	150mA	200mA	250mA	300mA	350mA	400mA	450mA	500mA	ON	OFF
Output Voltage	9-36V	9-36V	9-36V	9-30V	9-26V	9-22.5V	9-20V	9-18V		

* After current setting by DIP switch, power off and then power on to make the new current effective.

* E.g. LED 3V/pcs: 9-36V can power 3-12pcs LEDs in series, 9-18V can power 3-6pcs LEDs, the max quantity of LEDs in series will be subject to the actual voltage of LED.