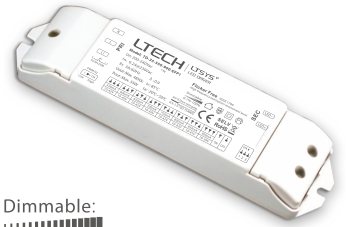


LED Intelligent Driver

- Support Leading edge (Triac), Trailing edge (ELV) and Push Dimmer.
- Built-in SCM, dimming curve and smoothing time can be customized.
- Dimming range: 0-100%, dimming depth: Max. 0.01%.
- Flicker-free [IEEE 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 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.



Flicker-free
IEEE 1789

Dimmable:
0.1 - 100%

SELV



RoHS

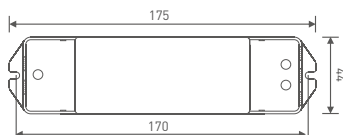


Specification

| Model | | TD-35-550-900-EFP1 |
|----------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| OUTPUT | Output Voltage | 10-42Vdc |
| | Max Output Voltage | 48Vdc |
| | Output Current | 550-900mA |
| | Output Power Range | 5.5W-35W |
| | Fluctuation Level | Exemption assessment level. |
| | Dimming Range: | 0-100%, dimming depth: Max. 0.1% |
| | LF current ripple(<120Hz) | <2% |
| | Current Accuracy | ±5% |
| Ripple & Noise | ≤2V | |
| PWM Frequency | 3600Hz or 300Hz | |
| INPUT | Dimming Interface | Triac/ELV, Push |
| | Input Voltage Range | 200-240Vac |
| | Frequency | 50/60Hz |
| | Input Current | 0.21A@230Vac |
| | Power Factor | PF>0.9/230Vac [full load] |
| | Efficiency(typ.) | 85% |
| | Inrush Current(typ.) | Cold start 5A at 230Vac (twidth=76μs measured at 50% Ipeak) |
| Anti Surge | L-N: 1kV | |
| Leakage Current | <0.25mA/230Vac | |
| ENVIRONMENT | Working Temperature | ta: -20 ~ 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. | |
| PROTECTION | Over Load Protection | Power limit when rated power ≥ 102%, auto recovers. |
| | Over-heat Protection | Intelligently adjusting or turning off the output current if the PCB temperature ≥ 110°C, auto recovers. |
| | Short Circuit Protection | Shut down automatically if short circuit occurs, 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 |
| | EMC Emission | EN55015, EN61000-3-2 Class C, IEC61000-3-3 |
| | EMC Immunity | EN61000-4-2,3,4,5,6,8,11 EN61547 |
| Strobe Test Standard | IEEE 1789 | |
| OTHERS | Dimension | 175×44×30mm[L×W×H] |
| | Packing | 178×48×33mm[L×W×H] |
| | Weight[G.W.] | 175g±10g |

Dimensions

Unit: mm



LED Current Selection

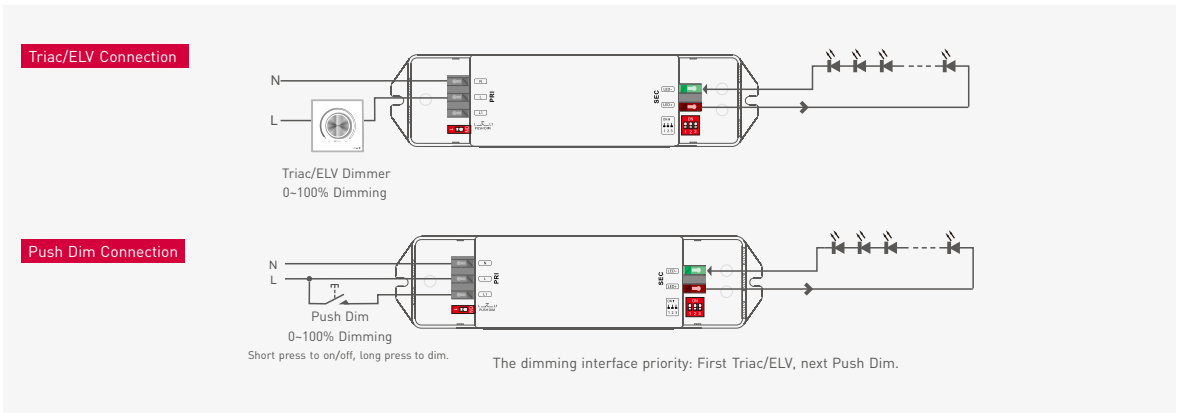
DIP switch for 8 optional currents' quick selection

| TD-35-550-900-EFP1 | DIP switch | | | | | | | | | |
|--------------------|----------------|------------|----------|------------|----------|------------|----------|------------|----------|--|
| | Output current | 550mA | 600mA | 650mA | 700mA | 750mA | 800mA | 850mA | 900mA | |
| | Output voltage | 10-42V | 10-42V | 10-42V | 10-42V | 10-42V | 10-42V | 10-41V | 10-39V | |
| | Output power | 5.5W-23.1W | 6W-25.2W | 6.5W-27.3W | 7W-29.4W | 7.5W-31.5W | 8W-33.6W | 8.5W-34.9W | 9W-35.1W | |

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

* E.g. LED 3.2V/pcs: 10-42V can power 3-14pcs LEDs in series, 10-39V can power 3-13pcs LEDs, the max quantity of LEDs in series will be subject to the actual voltage of LED.

Connections



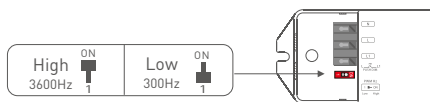
Push Dimming



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 Frequency Setting



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

* 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.