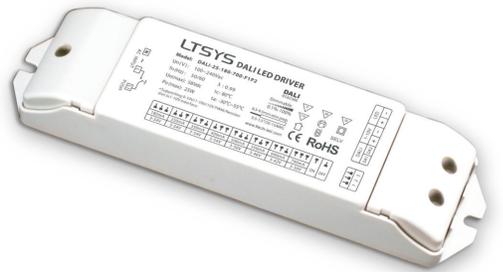


LED Intelligent Driver

0.54-25W 180-700mA 3-54Vdc

- Dimming interface: DALI, 1-10V (0-10V/10VPWM/resistor), Push Dim.
- PWM digital dimming, standard DALI logarithmic dimming curve.
- 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 > 85%.
- Short circuit / Over-temperature / Over load protection.
- Class 2 power supply. Full protective plastic housing.
- DALI bus standard: IEC62386-101,102, 207.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV

DALI  
1-10V  
PUSH DIM

PWM  
*Digital  
Dimming*

PF  
  
>0.99

>85%  
*Efficiency*

*Over-heat  
Protection*

*Short Circuit  
Protection*

ON  
1 2 3  
*Multiple  
Current*

*Over Load  
Protection*

**Main Characteristics**

<p>Dimming Interface: DALI, 1-10V/0-10V/10VPWM/Resistor, Push Dim</p> <p>Input Voltage Range: 100-240Vac ±10%</p> <p>Frequency: 50/60Hz</p> <p>Input Current: 115Vac ≤ 0.30A, 230Vac ≤ 0.18A</p> <p>Power Factor: PF&gt;0.99/115Vac, PF&gt;0.95/230Vac, at full load</p> <p>THD: ≤12% at 115Vac, ≤15% at 230Vac (full load)</p> <p>Efficiency: ≥85%</p> <p>Inrush Current(tp.): Cold start 10A@230Vac</p> <p>Leakage Current: &lt;0.5mA/230Vac</p> <p>Operating Voltage: 3-54Vdc</p>	<p>Output Power Range: 0.54W~25W</p> <p>Current Accuracy: ±3%</p> <p>No Load Output Voltage: 58Vdc</p> <p>Dimming Range: 0~100%, LED start at 0.1% possible.</p> <p>Working Temperature.: tc: 80°C ta: -30°C ~ 55°C</p> <p>Working Humidity: 20 ~ 95%RH, non-condensing</p> <p>Storage Temp., Humidity: -40 ~ 80°C, 10-95%RH</p> <p>Temp. Coefficient: ±0.03%/°C(0-50°C)</p> <p>Vibration: 10-500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes</p>
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Output Current :	180mA	250mA	350mA	400mA	500mA	550mA	600mA	700mA
Output Voltage :	3-54V	3-54V	3-54V	3-54V	3-50V	3-46V	3-42V	3-36V
Output Power :	0.5W-9.7W	0.8W-13.5W	1.1W-18.9W	1.2W-21.6W	1.5W-25W	1.7-25.3W	1.8-25.2W	2.1-25.2W

**Protection**

- Over-heat Protection:** Shut down the output when PCB temp. ≥ 110°C, auto recovers when temp. back to normal.
- Over Load Protection:** When O/P voltage exceed its range, O/P current declines, auto recovers when the load is reduced.
- Short Circuit Protection:** Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

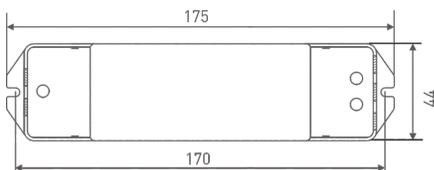
**Safety & EMC**

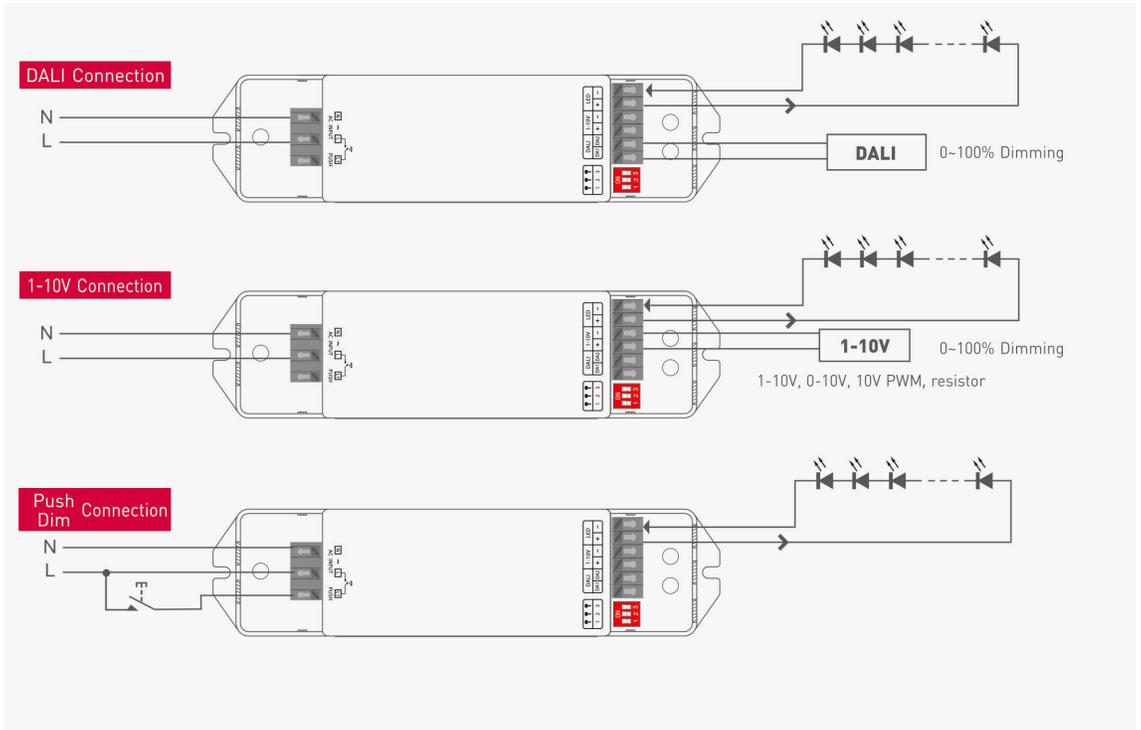
- Withstand Voltage:** I/P-O/P: 3750Vac
- Isolation Resistance:** I/P-O/P: 100MΩ/500VDC/25°C/70%RH
- Safety Standards:** IEC/EN61347-1, IEC/EN61347-2-13
- EMC Emission:** EN55015, EN61000-3-2 Class C, IEC61000-3-3
- EMC Immunity:** EN61000-4-2,3,4,5,6,8,11 EN61547

**Others**

- Dimension:** 175×44×30mm(L×W×H)
- Packing:** 178×48×33mm(L×W×H)
- Weight(G.W.):** 160g±10g

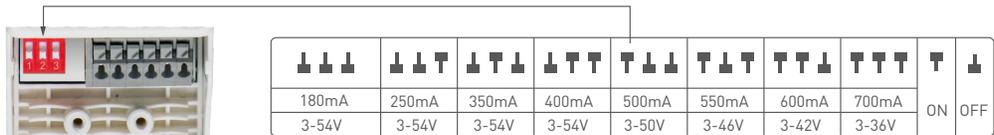
**Dimensions**





## LED Current Selection

The current can be easily configured by choosing the correct combination of the DIP switches (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: 3-54V can power 1-16pcs LEDs in series, 3-36V can power 1-11pcs LEDs, the max quantity of LEDs in series will be subject to the actual voltage of LED.

## 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.