

LED Intelligent Driver

2~36W 200~1200mA 10~54Vdc

- Dimming interface: DALI, Push DIM
- PWM digital dimming, no alter LED color rendering index.
- Dimming range: 0~100%, LED start at 0.1% possible.
- Support lamp current state and fault feedback function.
- DALI dimming curve can be either linear or logarithmic.
- Non-load output voltage 0V to prevent damages to LED caused by poor contact.
- Multi-current & wide voltage, suitable for different power LED.
- Short circuit / Over-heat / Over load / Non-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 internal lights application for I/II/III.



Dimmable:
0.1%~100%

TUV Certificate No. B 17 06 01119 001
 BIS Certificate No. R-41072265
 CB Certificate No. SG PSB-LE-00609
 RCM Equipment registration No: E2017013627 Ref: ESV170365
 ENEC Certificate No. U6 17 07 01119 004
 CE EMC Certificate No. BST1702498520001Y-1EC-1
 LVD Certificate No. BST1709992470001Y-1SC-2
 CCC Certificate No. 2017011002993756



DALI
Push DIM

PWM
Digital Dimming

PF
>0.95

η >87%
Efficiency

Over-heat
Protection

Short Circuit
Protection

Over Load
Protection

Multiple
Current

Main Characteristics

<p>Dimming Interface: DALI (IEC62386), Push Dim</p> <p>Input Voltage Range: 220-240Vac ±10%</p> <p>Frequency: 50/60Hz</p> <p>Input Current: <0.3A</p> <p>Power Factor: PF>0.95/230Vac, at full load</p> <p>THD: ≤20% at 230Vac, at full load</p> <p>Efficiency: >87%</p> <p>Inrush Current(typ.): Cold start 6.31A at 230Vac (twidth=58.4µs measured at 50% Ipeak)</p> <p>Control Surge Capability: L-N: 1kV</p> <p>Leakage Current: <0.5mA/230Vac</p> <p>Operating Voltage: 10-54Vdc</p> <p>Output Power Range: 2W-36W</p>	<p>Current Accuracy: ±3%</p> <p>Max Output Voltage: 58Vdc</p> <p>Non-load Output Voltage: 0Vdc</p> <p>PWM Frequency: ≤4KHz</p> <p>Dimming Range: 0~100%, LED start at 0.1% possible.</p> <p>Working Temperature: ta: -30°C ~ 50°C tc: 90°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 :	200mA	350mA	500mA	600mA	700mA	900mA	1050mA	1200mA
Output Voltage :	10-54V	10-54V	10-54V	10-54V	10-52V	10-40V	10-35V	10-30V
Output Power :	2W-10.8W	3.5W-18.9W	5W-27W	6W-32.4W	7W-36.4W	9W-36W	10.5W-36.75W	12W-36W

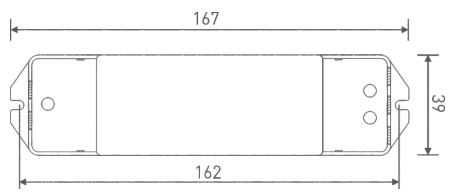
Protection

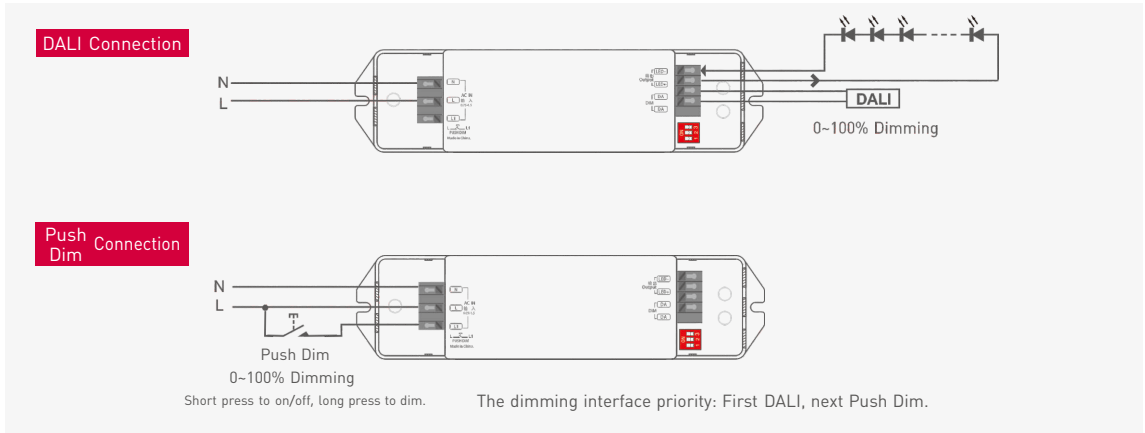
- Over-heat Protection:** Shut down the output when PCB temp. ≥110°C, auto recovers when temp. back to normal.
- Over Load Protection:** Shut down the output when rated power ≥102% ~125%, auto recovers when the load is reduced.
- Short Circuit Protection:** Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.
- Non-load Protection:** Shut down the output if no load, auto recovers when load back to normal.

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





Push Dimming

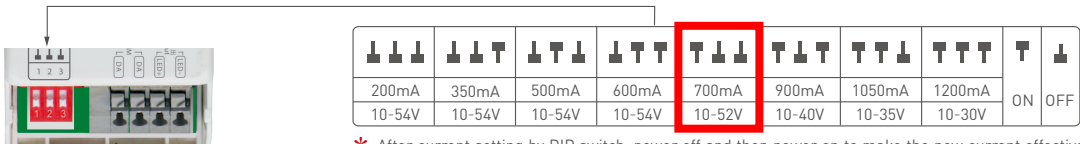


Reset Switch

- 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.

LED Current Selection

Quick options: DIP switch for 8 optional currents' quick selection[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: 10-54V can power 3-16pcs LEDs in series, 10-30V can power 3-9pcs LEDs, the max quantity of LEDs in series will be subject to the actual voltage of LED.

Relationship Diagrams

