

**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-IEC-1  
 LVD Certificate No. BST1709992470001Y-15C-2  
 CCC Certificate No. 2017011002993756



**Main Characteristics**

Dimming Interface:	DALI (IEC62386), Push Dim	Current Accuracy:	±3%
Input Voltage Range:	220-240Vac ±10%	Max Output Voltage:	58Vdc
Frequency:	50/60Hz	Non-load Output Voltage:	0Vdc
Input Current:	<0.3A	PWM Frequency:	≤4KHz
Power Factor:	PF>0.95/230Vac, at full load	Dimming Range:	0~100%, LED start at 0.1% possible.
THD:	≤20% at 230Vac, at full load	Working Temperature:	ta: -30°C ~ 50°C tc: 90°C
Efficiency:	>87%	Working Humidity:	20 ~ 95%RH, non-condensing
Inrush Current(typ.):	Cold start 6.31A at 230Vac (twidth=58.4µs measured at 50% Ipeak)	Storage Temp., Humidity:	-40 ~ 80°C, 10~95%RH
Control Surge Capability:	L-N: 1kV	Temp. Coefficient:	±0.03%/°C(0-50°C)
Leakage Current:	<0.5mA/230Vac	Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes
Operating Voltage:	10-54Vdc		
Output Power Range:	2W~36W		

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.

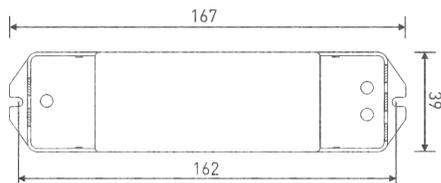
**Safety & EMC**

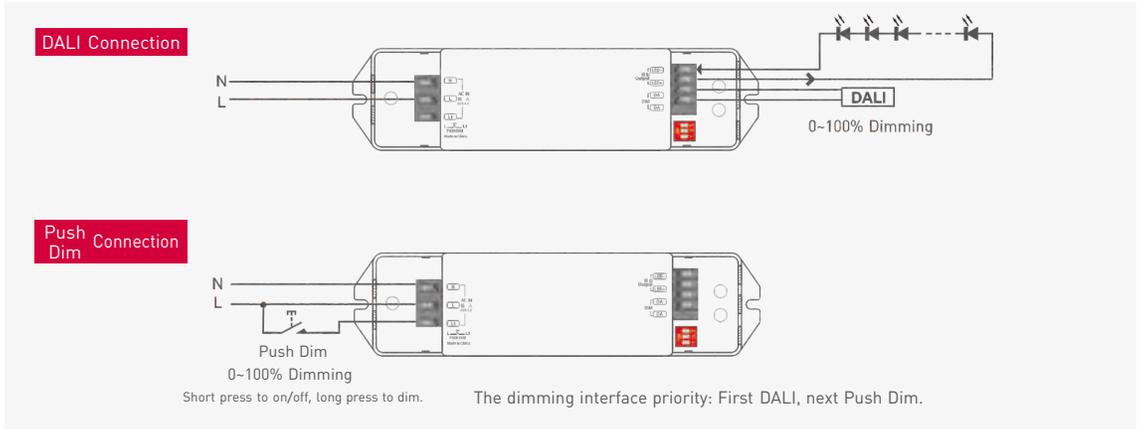
- Withstand Voltage:** I/P-O/P: 3750Vac
- Isolation Resistance:** I/P-O/P: 100MΩ/500VDC/25°C/70%RH
- Safety Standards:** IEC/EN61347-1, IEC/EN61347-2-13
- EMC Emission:** EN55015, EN61000-3-2 Class C, IEC61000-3-3
- EMC Immunity:** EN61000-4-2,3,4,5,6,8,11 EN61547

**Others**

- Dimension:** 167×39×30mm(L×W×H)
- Packing:** 168×41×32mm(L×W×H)
- Weight(G.W.):** 160g±10g

**Dimensions**





## Push Dimming

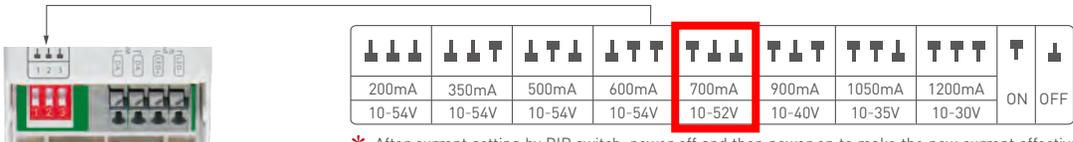


Reset Switch

- 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

