

LED Intelligent Driver

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

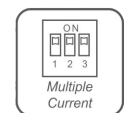
- Dimming interface: DALI, Push DIM
- PWM digital dimming, no alter LED color rendering index.
- Dimming range: 0~100%, LED start at 0.1% possible.
- Support lamp current state and fault feedback function.
- DALI dimming curve can be either linear or logarithmic.
- Non-load output voltage 0V to prevent 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. B5T1702498520001Y-IEC-1
 LVD Certificate No. B5T1709992470001Y-ISC-2
 CCC Certificate No. 2017011002993756



R-41072265



Main Characteristics

Dimming Interface:	DALI (IEC62386), Push Dim						
Input Voltage Range:	220-240Vac $\pm 10\%$						
Frequency:	50/60Hz						
Input Current:	<0.3A						
Power Factor:	PF>0.95/230Vac, at full load						
THD:	$\leq 20\%$ at 230Vac, at full load						
Efficiency:	>87%						
Inrush Current(typ.):	Cold start 6.31A at 230Vac (twidth=58.4 μ s measured at 50% Ipeak)						
Control Surge Capability:	L-N: 1kV						
Leakage Current:	<0.5mA/230Vac						
Operating Voltage:	10~54Vdc						
Output Power Range:	2W~36W						
Output Current :	200mA	350mA	500mA	600mA	700mA	900mA	1050mA
Output Voltage :	10~54V	10~54V	10~54V	10~54V	10~52V	10~40V	10~35V
Output Power :	2W-10.8W	3.5W-18.9W	5W-27W	6W-32.4W	7W-36.4W	9W-36W	10.5W-36.75W

Current Accuracy:	$\pm 3\%$
Max Output Voltage:	58Vdc
Non-load Output Voltage:	0Vdc
PWM Frequency:	≤ 4 KHz
Dimming Range:	0~100%, LED start at 0.1% possible.
Working Temperature:	ta: -30°C ~ 50°C tc: 90°C
Working Humidity:	20 ~ 95%RH, non-condensing
Storage Temp., Humidity:	-40 ~ 80°C, 10~95%RH
Temp. Coefficient:	$\pm 0.03\%/^{\circ}\text{C}$ (0~50°C)
Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

Protection

Over-heat Protection:	Shut down the output when PCB temp. $\geq 110^{\circ}\text{C}$, auto recovers when temp. back to normal.
Over Load Protection:	Shut down the output when rated power $\geq 102\% \sim 125\%$, 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.

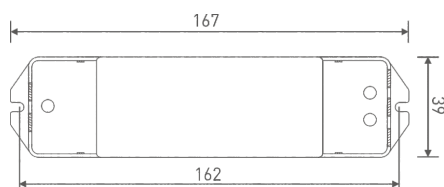
Safety & EMC

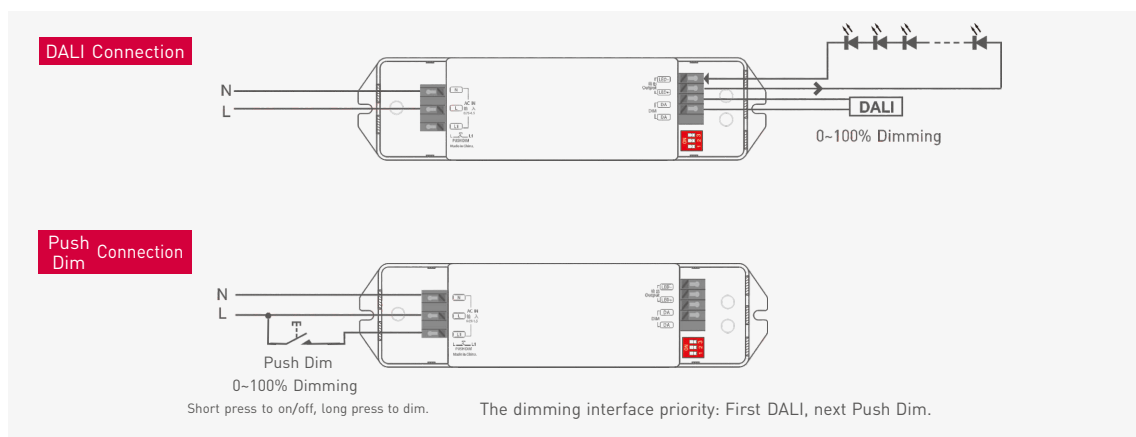
Withstand Voltage:	I/P-O/P: 3750Vac
Isolation Resistance:	I/P-O/P: 100M Ω /500VDC/25°C/70%RH
Safety Standards:	IEC/EN61347-1, IEC/EN61347-2-13
EMC Emission:	EN55015, EN61000-3-2 Class C, IEC61000-3-3
EMC Immunity:	EN61000-4-2, 3, 4, 5, 6, 8, 11 EN61547

Others

Dimension:	167 \times 39 \times 30mm(L \times W \times H)
Packing:	168 \times 41 \times 32mm(L \times W \times H)
Weight[G.W.]:	160g \pm 10g

Dimensions





Push Dimming

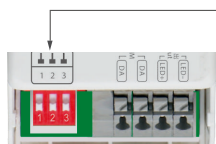


Reset Switch

- 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].



200mA	350mA	500mA	600mA	700mA	900mA	1050mA	1200mA	ON	OFF		
10-54V	10-54V	10-54V	10-54V	10-52V	10-40V	10-35V	10-30V				

* 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

