

LED Intelligent Dimming Driver

5W~50W 500-1750mA 10-54V

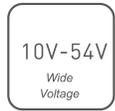
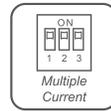
- Dimming interface: DALI, Push Dim.
- PWM digital dimming, standard DALI logarithmic dimming curve.
- 60000:1 wide dimming, range: 0~100%, LED start at 0.1% possible.
- Multiple current, wide voltage, compatible with a variety of LED lights.
- Power factor > 0.99, Efficiency > 85%
- Short circuit / Over-temperature / Over load protection.
- Class 2 power supply. Full protective plastic housing
- DALI bus standard: IEC62386.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV

CE

RoHS



Main Characteristics

Dimming Interface:	DALI (IEC62386), Push Dim	Operating Voltage:	10-54V DC
Dimming Range:	0~100%, LED start at 0.1% possible.	Output Power Range:	5W~50W
Input Voltage Range:	100-240V AC ±10%	Current Accuracy:	±3%
Input Current:	115Vac≤0.6A, 230Vac≤0.3A	No Load Output Voltage:	0V DC
Power Factor:	PF>0.99/115V AC, PF>0.95/230V AC, at full load	Working Temperature:	-30 ~ +55°C
Frequency:	50/60Hz	Working Humidity:	20 ~ 95%RH, non-condensing
Efficiency:	≥85%	Storage Temp., Humidity:	-40 ~ +80°C, 10-95%RH
Inrush Current(typ.):	Cold start 10A at 230V AC (twidth=75µs measured at 50% Ipeak)	Temp. Coefficient:	±0.03%/°C(0-50°C)
Leakage Current:	<0.5mA/230V AC	Vibration:	10-500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes
Output Current:	500mA 700mA 900mA 1050mA 1200mA 1450mA 1600mA 1750mA		
Output Voltage:	10-54V 10-54V 10-54V 10-47V 10-42V 10-34V 10-31V 10-29V		
Output Power:	5-27W 7-37.8W 9-48.6W 10.5-49.4W 12-50.4W 14.5-49.3W 16-49.6W 17.5-50.8W		

Protection

Short Circuit / Over Temperature / Over Load: Auto recovery

Others

Dimension: 133×89×30mm(L×W×H)

Packing: 135×90×35mm(L×W×H)

Weight(G.W.): 290g±10g

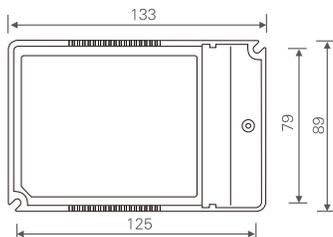
Safety & EMC

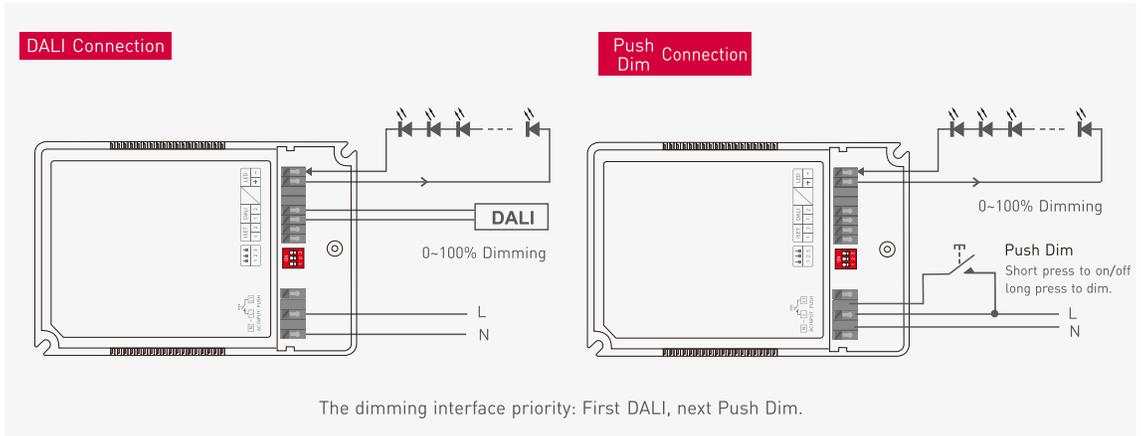
Withstand Voltage: I/P-O/P: 3750VAC;

Isolation Resistance: I/P-O/P: 100MΩ/500VDC/25°C/70%RH

Safety Specification: IEC62386, IEC/EN61347-1, IEC/EN61347-2-13, EN55015, EN61000-3-2 Class C, EN61000-3-3, EN55024, EN61547, EN61000-4-2,3,4,5,6,8,11.

Dimensions





Push Dimming

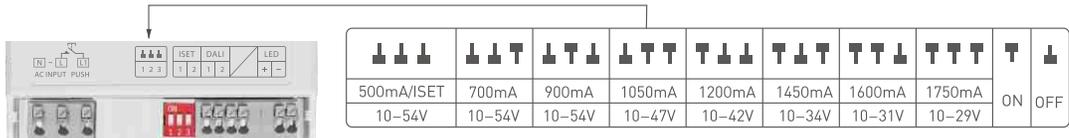


Reset Switch

- On/off control: Short press.
- Stepless dimming: Long press.
- For fine tuning of light level: 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

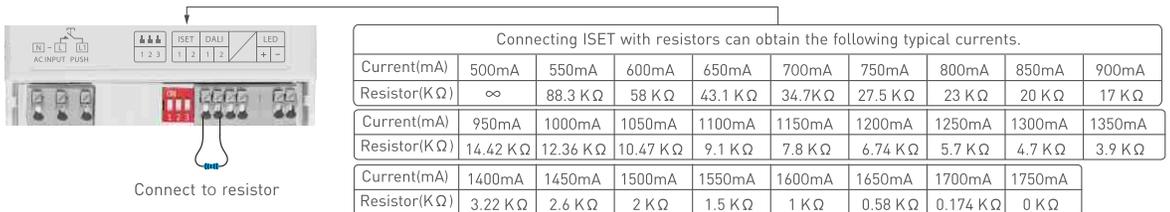
Quick options: DIP switch for 8 optional currents* quick selection[see the table below].



* 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, 10-29V can power 3-9pcs LEDs, the max quantity of LEDs in series will be subject to the actual voltage of LED.

Advanced options: Dial DIP switch down , connect ISET port with resistors of different values to set up any current from 500mA to 1750mA (specific resistor values refer to the table).



Attention:

- Before use, please make sure the LED driver output current matches with the LED lights. improper current will damage the LED lights or influence the luminous efficiency.
- Good heat dissipation can prolong the life of the LED driver. Please try to install the LED driver on the metal surface and use in well-ventilated environment.
- The wire size shall be big enough to load the power with solid connection to LED driver.
- If a malfunction occurs, do not repair by yourself. For any question, please contact the supplier directly.