

LED Intelligent Driver

1-10W 100-400mA 10-45Vdc



- Dimming interface: DALI
- PWM digital dimming, standard DALI logarithmic dimming curve.
- Dimming range: 0-100%, LED start at 0.1% possible.
- Short circuit / Over-heat / 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



Main Characteristics

Dimming Interface: DALI  
 Input Voltage Range: 110-240Vac ±10%  
 Frequency: 50/60Hz  
 Input Current: 115Vac ≤ 0.20A, 230Vac ≤ 0.15A  
 Efficiency: ≥ 79%  
 Inrush Current (typ.): Cold start 20A@230Vac  
 Leakage Current: < 0.5mA/230Vac  
 Operating Voltage: 10-45Vdc  
 Output Power: Max. 10W

Current Accuracy: ±3%  
 No Load Output Voltage: ≤ 47Vdc  
 Dimming Range: 0-100%, LED start at 0.1% possible.  
 Working Temperature: tc: 80°C ta: -30°C ~ 55°C  
 Working Humidity: 20 ~ 95%RH, non-condensing  
 Storage Temp., Humidity: -40 ~ 80°C, 10-95%RH  
 Temp. Coefficient: ±0.03%/°C(0-50°C)  
 Vibration: 10-500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

Output Current :	100mA	150mA	200mA	250mA	300mA	350mA	400mA
Output Voltage :	10-45V	10-45V	10-45V	10-40V	10-33V	10-28V	10-25V
Output Power :	1-4.5W	1.5-6.75W	2-9W	2.5-10W	3-9.9W	3.5-9.8W	4-10W

Attn: Please mark out the current while placing orders.

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.

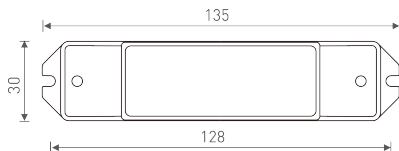
Safety & EMC

- 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:** EN61000-3-2 Class C, IEC61000-3-3
- EMC Immunity:** EN61000-4-2,3,4,5,6,8,11 EN61547

Others

- Dimension:** 135×30×20mm(L×W×H)
- Packing:** 140×34×23mm(L×W×H)
- Weight(G.W.):** 80g±10g

Dimensions



Wiring Diagram

