DALI-10-100-400-F1P1

LTECH

DALI

LED Intelligent Driver

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

- Dimming interface: DALI
- PWM digital dimming, no alter LED rendering index.
- Dimming range: 0~100%, LED start at 0.1% possible.
- DALI dimming curve: Liner curve or logarithmic curve
- 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 internal lights application for Ⅰ/Ⅱ/Ⅲ.

Dimmable:
0.1%-100%

SELV CE RoHS

DALI | PWM Digital Dimming | >82% Efficiency | Over-heat Protection | Short Circuit Protection | Over Load Protection

Main Characteristics

Dimming Interface:	DALI
Input Voltage Range:	100-240Vac ±10%
Frequency:	50/60Hz
Input Current:	115Vac≤0.20A, 230Vac≤0.15A
Efficiency:	>82%
Inrush Current(typ.):	Cold start 20A@230Vac
Control Surge Capability:	L-N: 1kV
Leakage Current:	<0.5mA/230Vac
Operating Voltage:	10~45Vdc
Output Power	Max. 10W

Current Accuracy:	±3%
No Load Output Voltage:	≤47Vdc
PWM Frequency:	200Hz-500Hz
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

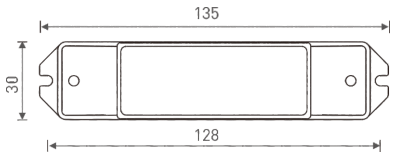
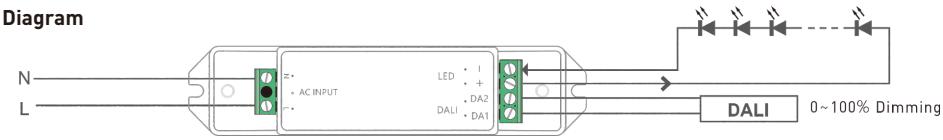
Withstand Voltage:	I/P-O/P: 3750Vac;
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
Safety Standards:	IEC/EN61347-1, IEC/EN61347-2-13
EMC Emission:	EN55015, EN61000-3-2 Class C, IEC61000-3-3
EMC Immunity:	EN61000-4-2,3,4,5,6,8,11 EN61547

Others

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

Dimensions

Unit: mm



Wiring Diagram