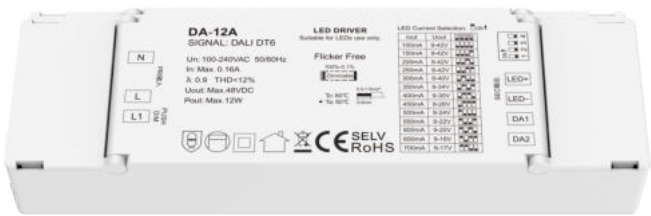


DALI Dimming LED Driver (Constant Current)

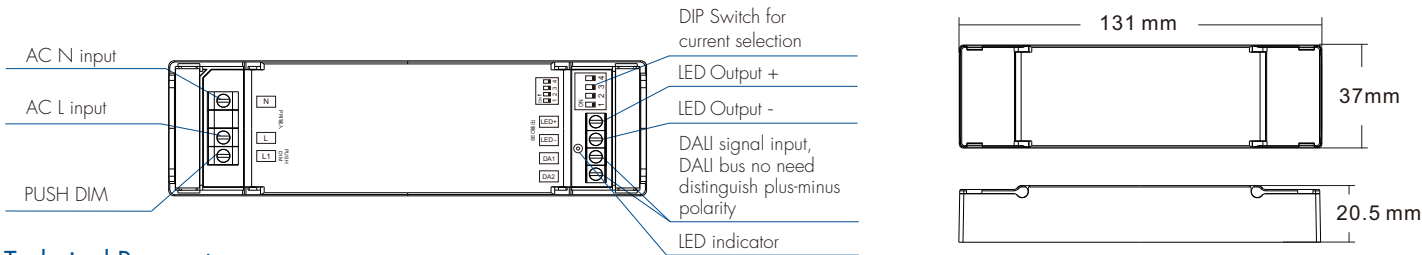
- Support DALI-2, Push DIM dimming mode.
- In accordance with DALI standard protocol IEC 62386-102, IEC 62386-207 and in compliance with DALI products from other international incorporation.
- PWM digital dimming, standard DALI logarithmic dimming curve.
- DALI address will be automatically assigned by DALI master, 1 DALI address.
- Universal AC input / Full range, High PF, High efficiency, Flicker Free.
- Standby power input<0.5W, meets the requirements of ERP certification.
- Multi-current & wide voltage, suitable for different power LEDs.
- Over-heat / Over-load / Short circuit protection, recover automatically.
- Class II design, SELV safety ultra-low voltage.
- Suitable for indoor LED lighting application.
- 5 Year, 50,000hr warranty.



Applications

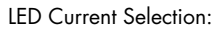
- Suitable for downlight, spotlight and decorative applications.
- Office / Commercial / Domestic Lighting, Hotels, Classrooms, Warehouse, Health care, Retail and Display.
- Use for retrofit upgrades & new luminaire designs.

Mechanical Structures and Installations



Technical Parameters

Output	Output Voltage	10~42VDC
	Max Output Voltage	48VDC
	Output Current	100-700mA
	Output Power	Max. 12W
	Dimming Range	0~100%, dimming depth:0.1%
	PWM Frequency	3600Hz
	Current Accuracy	100mA gear $\pm$ 10%, the rest of the gear $\pm$ 5%
	Ripple & Noise	<5%(Maximum current non dimming state)
Input	Input Voltage Range	100~240VAC
	Frequency Range	50/60Hz
	Efficiency(TYP)	>80% (350mA at full load)
	Input Current	$\leq$ 0.15A/115VAC, $\leq$ 0.08A/230VAC
	Power Factor	>0.95/115VAC, >0.9/230VAC
	THD	<12% / 230VAC(at full load)
	Anti Surge	I:N:1.5KV
	Inrush Current	Cold start8A, 135us duration(50% Ipeak) / 230VAC
	Leakage Current	< 0.6mA/230VAC
	Standby Power/No Load Power	<0.5W(DIMMING OFF)
Dimming Interface	DALI dimming	Voltage range: 9.5-22.5V, typical 16V, interface current consumption: 1.8mA
	Push DIM dimming	Voltage range: 100-240V 47/63Hz
Protection	Over Load Power	Current decrease or Hiccup, recovers automatically after fault condition is removed
	Short Circuit	Output shortcircuit, intermitently shut down output; Long time shortcircuit, the system will completely shut down the LED output, you need to manually power on restart activation
	Over Temperature	Current decrease when PCB temp>100°C, recovers automatically after fault condition is removed
Environment	Working Temperature	-20°C~50°C
	Tcase Max	80°C
	Working Humidity	20%~90%RH, non-condensing
	Storage Temp/Humidity	-40°C~80°C, 10%~95%RH
	Temperature Coefficient	$\pm$ 0.03%/°C (0-50%)
	Vibration Resistance	10-500Hz, 2G, 6min/cycle, X,Y,Zaxes/2min
Safety&EMC	Security Specifications	CE-LVD: EN 61347-2:13:2014/A1:2017, EN 61347-1:2015, EN 62493:2015
	Withstand Voltage	I/P/O/P: 3750VAC
	Insulation Resistance	I/P/O/P: 100M/500VDC/25°C/70%RH $\Omega$
	EMC Emission	CE-EMC:EN55015,EN61000-3-2,EN61000-3-3
	EMC Immunity	CE-EMC: EN61000-4-2,3,4,5thunderbolt1KV,6,11
	Certications	CE, DALI 2.0



## Wiring Diagram

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