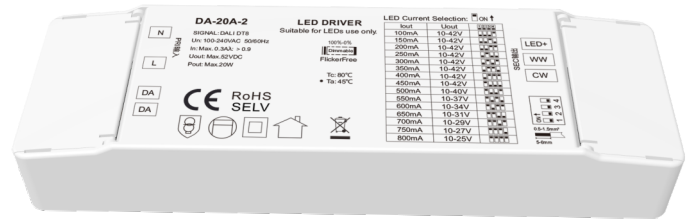


DALI CCT Constant Current LED Driver

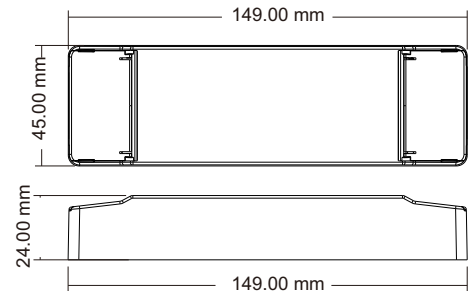
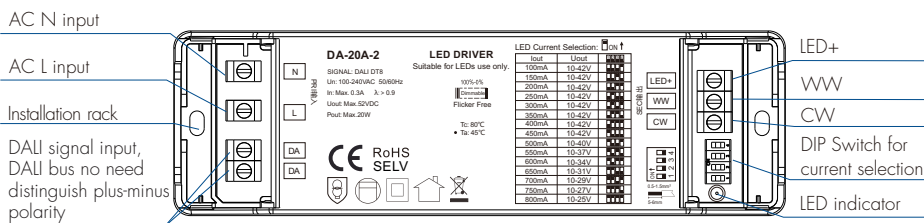
- Support DALI-2 dimming mode.
- In accordance with DALI standard protocol IEC 62386-102, IEC 62386-207, IEC 62386-209 and in compliance with DALI products from other international incorporation.
- PWM digital dimming, standard DALI logarithmic dimming curve.
- DALI address will be automatically assigned 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	52VDC
	Output Current	100-800mA
	Output Power	Max. 20W
	Dimming Range	0~100%, dimming depth:0.1%
	PWM Frequency	4KHz
	Current Accuracy	±5%
	Ripple & Noise	<5%(Maximum current non dimming state)
Input	Input Voltage Range	100~240VAC
	Frequency Range	50/60Hz
	Efficiency(TYP)	>83% (500mA at full load)
	Input Current	<0.3A/115VAC, <0.15A/230VAC
	Power Factor	>0.95/115VAC, >0.9/230VAC
	THD	<12% / 230VAC(at full load)
	Anti Surge	LN:1.2KV
	Inrush Current	Cold start13.9A, 180us 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
Protection	Over Load Power	Current decrease or Hiccup, recovers automatically after fault condition is removed
	Short circuit protection	Output shortcircuit, LED indicator flash prompt, PWM intermittent shutdown output, a long time shortcircuit, the system will completely shut down the LED output, need to repower on activation
	Open circuit protection	Output open circuit, LED indicator slow flash prompt, PWM intermittent shutdown output, troubleshooting, lamps and lanterns back to normal lighting
	Over temperature protection	Current decrease when PCB temp>100°C, recovers automatically after fault condition is removed
Environment	Working Temperature	-20°C~45°C
	Tcase Max	80°C
	Working Humidity	20%~90%RH, non-condensing
	Storage Temp/Humidity	-40°C~80°C, 10%~95%RH
	Temperature Coefficient	±0.03%/°C (0-50%)
Safety&EMC	Vibration Resistance	10-500Hz, 2G, 6min/cycle, X,Y,Zaxes/2min
	Security Specifications	CE-VD: EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 62493:2015
	Withstand Voltage	I/P-O/P: 3750VAC, I/P-DALI: 1500V AC, O/P-DALI: 1500V AC.
	Insulation Resistance	I/P-O/P: 100M/500VDC/25°C/70%RHΩ
	EMC Emission	CE-EMC:EN55015,EN61000-3-2,EN61000-3-3
	EMC Immunity	CE-EMC: EN61000-4-2,3,4,5(thunderbolt1KV),6,11
	Certifications	CE, DALI 2.0

