

LCP320D-2H24V

Summary

LCP320D-2H24V is a constant voltage mode output LED driver. It supports DALI standard protocol and adjustment of brightness and colour temperature.

Product Features

- 2 channels of constant voltage output, each carrying 13.3A ; separately ; When carrying multiple loads, the cumulative load shall not exceed 13.3A
- Meet DALI protocol IEC 62386 DT8
- Wide input voltage of 220VAC ~ 240VAC
- Dimming effect smooth, no flicker
- Over load protection; short circuit protection
- IP20, suitable for indoor LED lighting application

Application

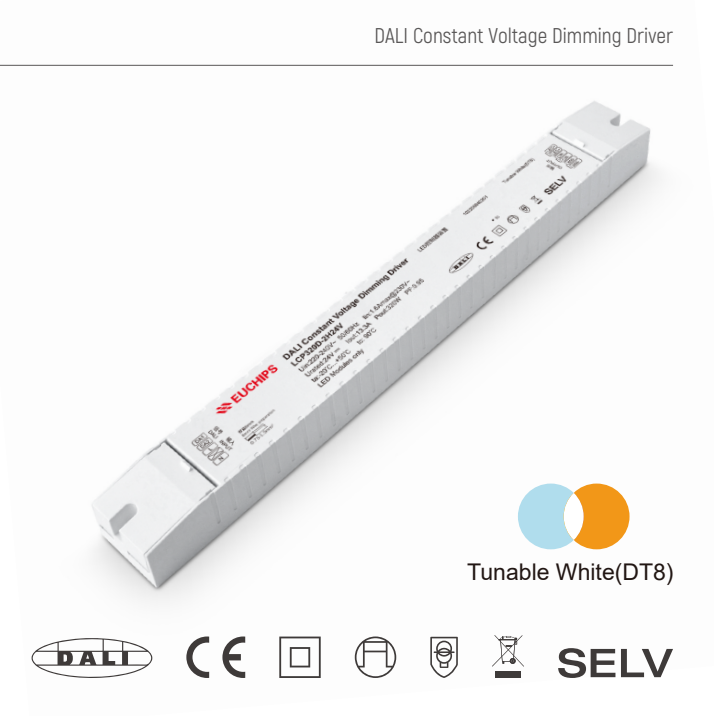
For LED constant voltage strip light only



LED Strip Light



LED Tube



Tunable White(DT8)

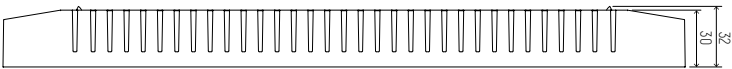
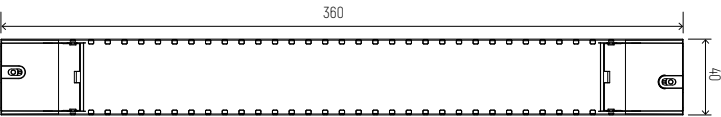


SELV

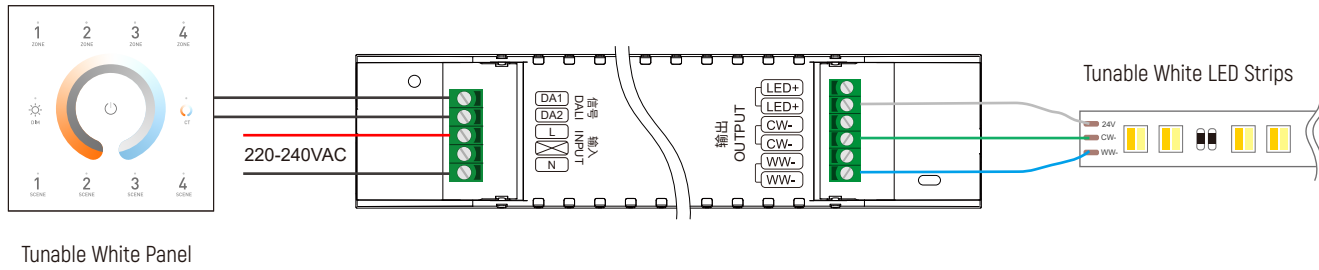
Technical Paramaters

Model	LCP320D-2H24V	
Input	Efficiency	≥92%@230VAC, Full load
	Voltage	220VAC-240VAC
	Frequency Range(Hz)	50/60Hz
	Power Factor	0.95@230VAC, Full load
	AC Current(max)	1.6Amax@230VAC
	Standby power	≤2W
	Inrush Current(max)	Cold start,80A@230VAC
Output	Current / Voltage / Power	13.3A / 24VDC / 320W
	Channel	2
	Ripple Voltage	3%
	Turn on delay Time	≤ 0.8 s, at230Vac (When the light begins to shine)
	No load output voltage	25.2VDC max
Function	Dimming Type	DALI Dimming
	Dimming Range	0.5%-100% Dimming to off
	Dimming curves	Logarithm
	Color temperature	2700K-6500K
Protection	Short circuit	Short circuit No output, troubleshooting output normal
	Over load	If no output is displayed, the troubleshooting output is normal
Safety& EMC	Surge	L-N:1KV
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA O/P-DIM[Signal port]: 1500Vac/1min/<5mA
	Safety standards	IEC/EN62384, IEC/EN61347-1, IEC/EN61347-2-13
Others	Working Temp.	-20℃~50℃
	Storage Temp., Humidity	-40℃~85℃, 20-90%RH
	tc	90℃
	Material	PC
	IP Rating	IP20
	Lifetime	50,000h@tc:75℃
	Warranty Condition	5 years
	Switch Cycle	25,000 times
	Packing(weight)	Net weight:630g±5%/PCS; 25PCS/Carton;16.25kg±5%/Carton; Carton Size:377*241*196mm(L*W*H)
	Dimension	360*40*32mm(L*W*H)

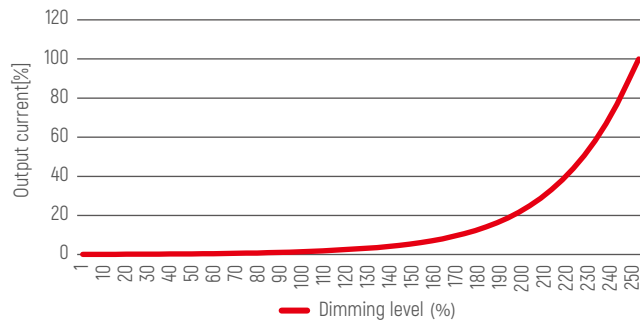
Dimension(mm)



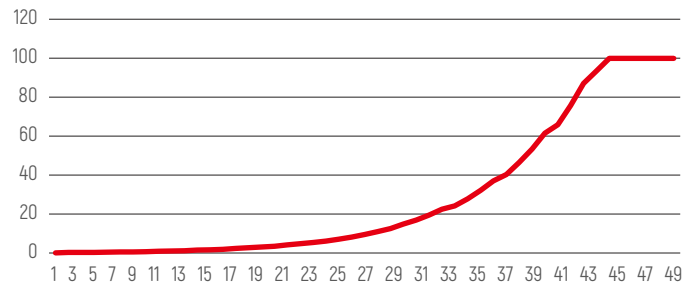
DALI Wiring



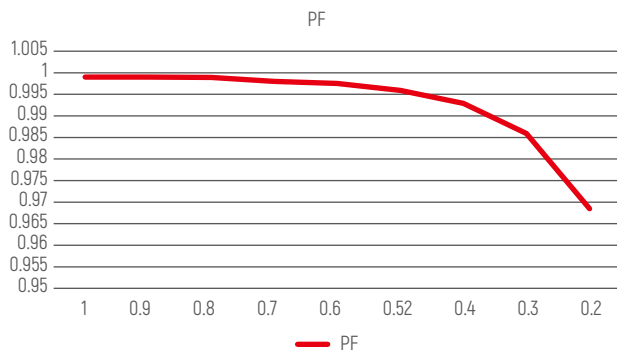
Dimming Curve



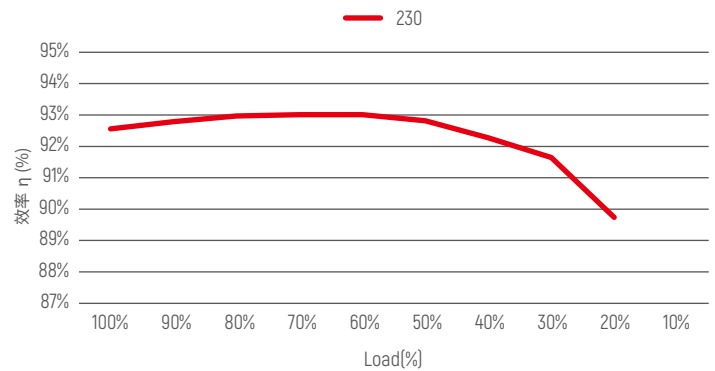
Derating Curve



PF vs Load



Eff. vs Load



Cautions

- 1.This product should be installed by qualified personnel.
- 2.This product is non waterproof, need to avoid sun and rain.In case of outdoor use, please ensure it is mounted in a water proof enclosure.
- 3.Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.
- 4.Please make sure LED power supply output voltage, current is used to meet the product requirements.
- 5.Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 6.Due to safety concerns, PVC or rubber cord of 0.75- 1.5mm² is recommended for input and output terminal(s)(excluding signal terminals). Flat power cord is not suitable.Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 7.In case of malfunction, do not repair it yourself.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail.Please contact us if you have any questions .