

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

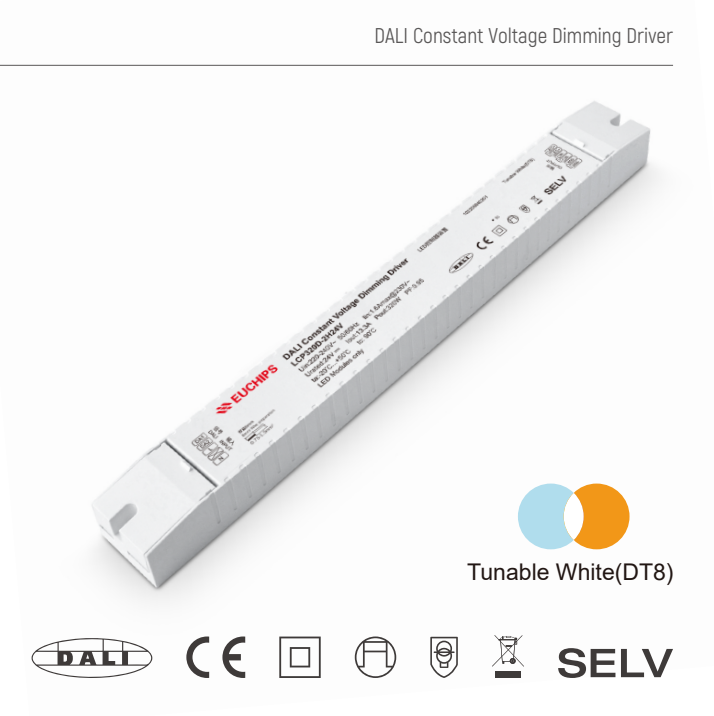
For LED constant voltage strip light only



LED Strip Light



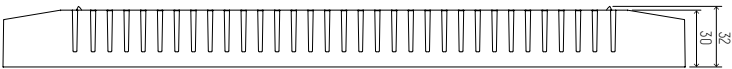
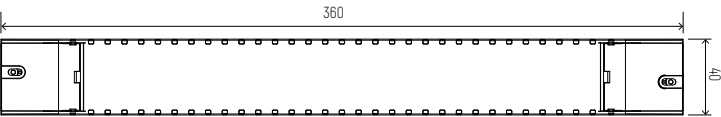
LED Tube



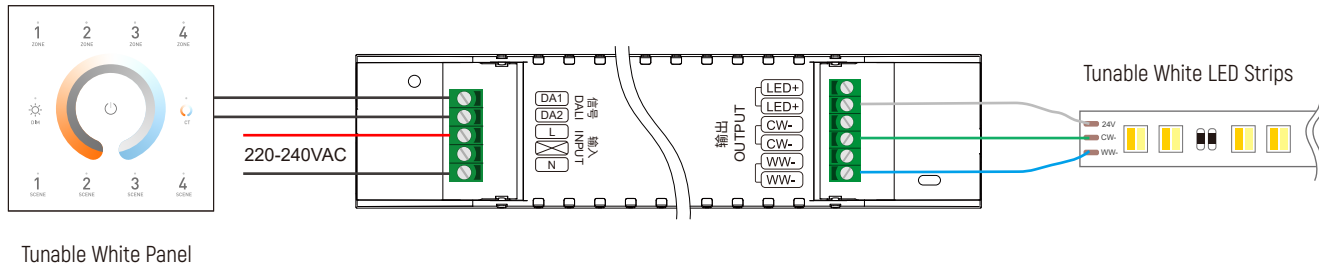
Technical Paramaters

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)

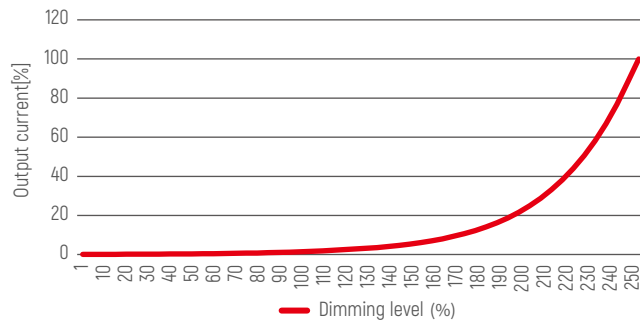
Dimension(mm)



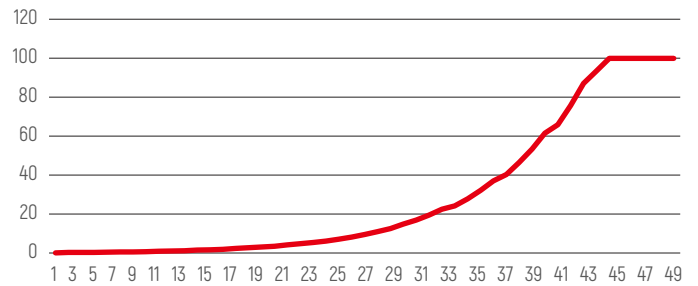
DALI Wiring



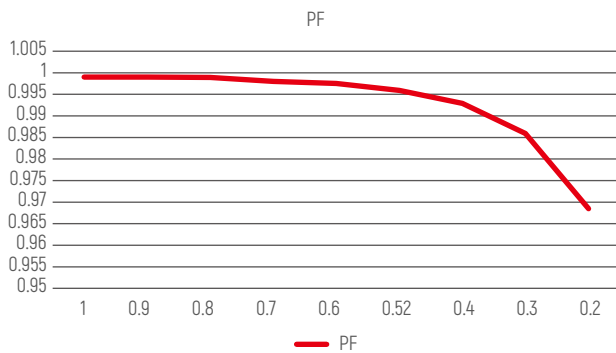
Dimming Curve



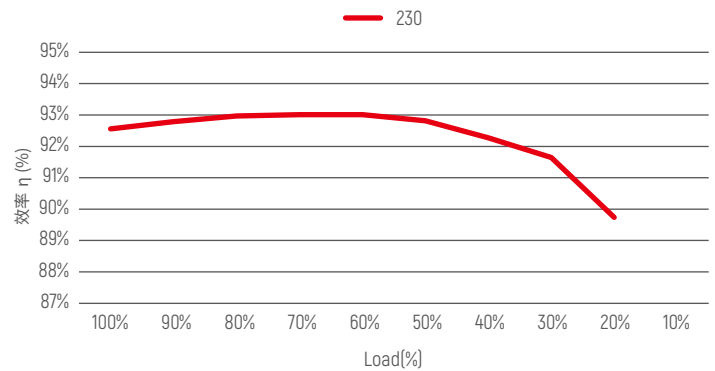
Derating Curve



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 .

LCP320D-2H24 V

概述

LCP320D-2H24V是一款恒压模式输出LED驱动器。
支持DALI标准协议和调光调色。

产品特点

- 2通道恒压输出，每路单独载13.3A；多路带载时，负载累计不超过13.3A
- 遵循DALI协议标准 IEC62386 DT8
- 宽电压输入：220VAC-240VAC
- 短路保护，负载载保护
- 调光曲线平滑，无闪烁
- IP20，适用于室内LED灯具

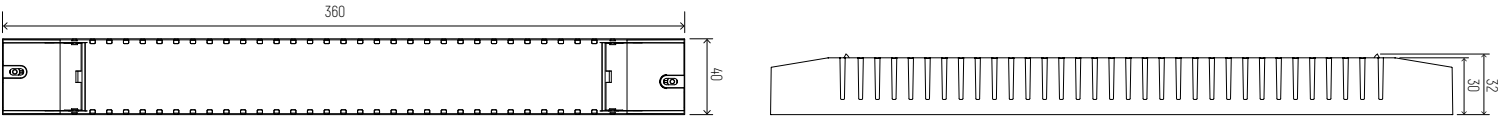
仅用于LED恒压灯带



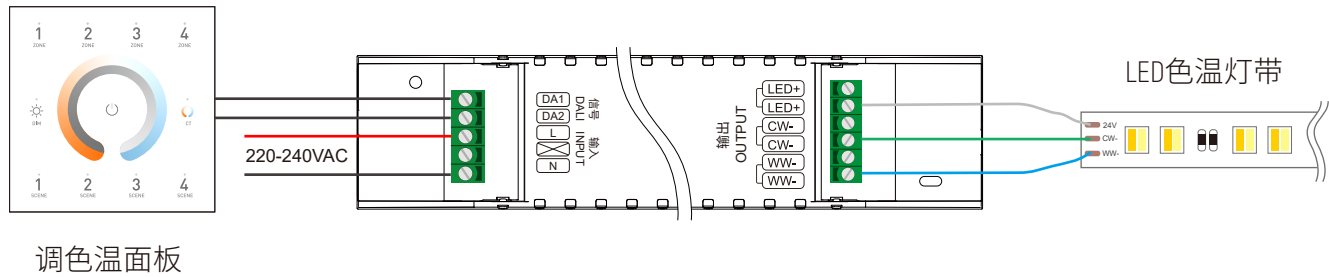
技术参数

型号	LCP320D-2H24V	
输入	效率	≥92%@230VAC, 满载
	电压	220VAC-240VAC
	频率	50/60Hz
	功率因素	0.95@230VAC, 满载
	电流	1.6Amax@230VAC
	待机功耗	≤2W
	浪涌电流	冷启动,80A@230VAC
输出	电流/电压/功率	13.3A / 24VDC / 320W
	通道	2
	纹波电压	3%
	启动延时	<0.8s, at230Vac [当灯光亮起]
	空载电压	25.2VDC max
功能	调光方式	DALI 调光
	调光范围	0.5%-100% 变暗直至关闭
	调光曲线	对数
	色温值	2700K-6500K
保护	短路	短路无输出，排除故障输出正常
	过负载	无输出，排除故障输出正常
安全&电磁兼容	雷击浪涌	L-N:1KV
	耐压标准	I/P-O/P: 3000VAC/1min/5mA O/P-DIM[Signal port]: 1500Vac/1min/<5mA
	安全标准	IEC/EN62384, IEC/EN61347-1, IEC/EN61347-2-13
其它	工作温度	-20℃~50℃
	储存温度、湿度	-40℃~85℃, 20-90%RH
	tc	90℃
	材质	PC
	防水等级	IP20
	寿命	50,000小时@tc:75℃
	质保	5年
	开关周期	25,000次
	包装尺寸(重量)	净重:630g±5%/PCS; 25PCS/箱; 16.25kg±5%/箱; 外箱尺寸:377*241*196cm(长*宽*高)
	尺寸	360*40*32mm (长*宽*高)

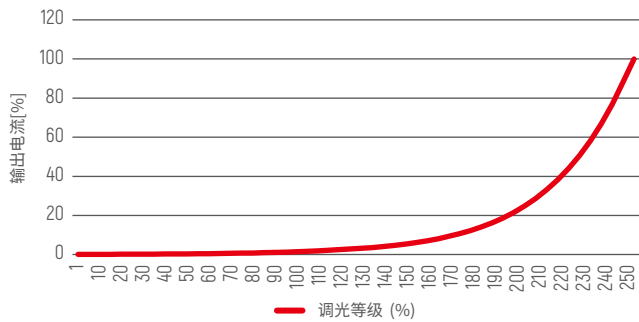
尺寸(mm)



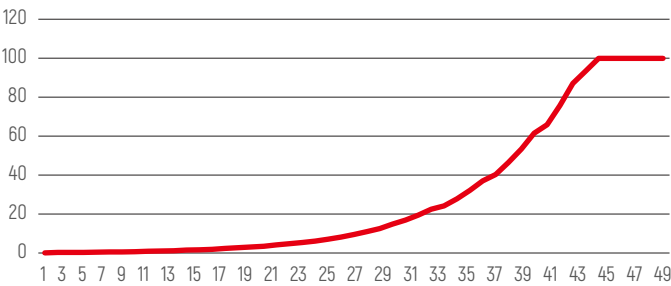
接线图



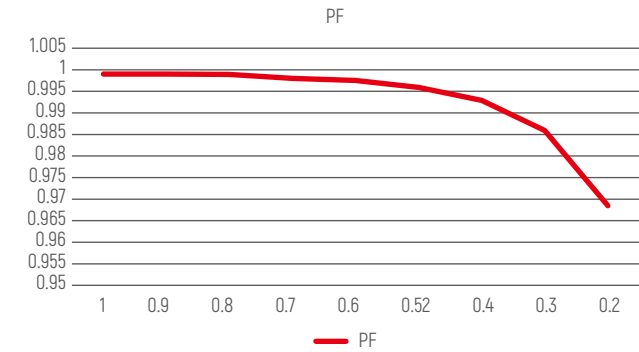
调光曲线



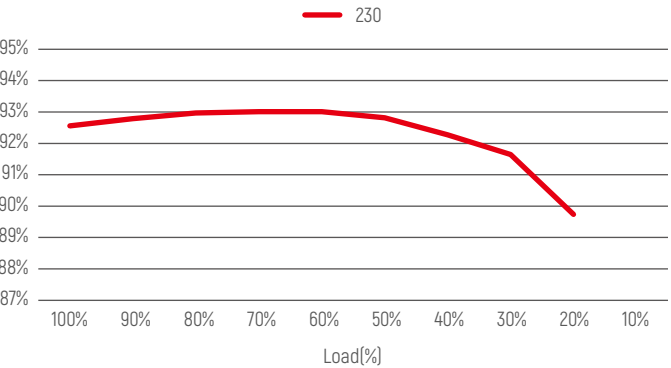
降额曲线



PF vs 负载



Eff. vs 负载



注意事项:

- 1、本产品请由具有专业资格的人员进行调试安装。
- 2、本产品不能防水，需避免日晒雨淋，如安装在户外，请用防水箱。
- 3、良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境。
- 4、请检查使用的LED电源输出电压电流，是否符合产品要求。
- 5、出于安全考虑，推荐输入和输出（信号端除外）用0.75-1.5mm² PVC或橡胶线缆，并确保接线牢固，以免电线过热或接触不良触发事故。扁平电源线不适用。
- 6、通电调试前，应确保所有接线正确，以避免因接线错误而导致灯具损坏。
- 7、如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

※ 本说明书内容如有更新，恕不另行通知。若您使用的产品功能与说明书不一致时，请以产品为准。如有疑问请与我们联系。