LCP75D-2W24V (Product No.:102200570101)



Summary

LCP75D-2W24V 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 3.125A ; separately ; When carrying multiple loads, the cumulative load shall not exceed 3.125A
· Meet DALI protocol IEC 62386 DT8
· High input voltage of 120VAC ~ 277VAC
· Dimming effect smooth, no flicker
· Over load protection; over voltage 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)

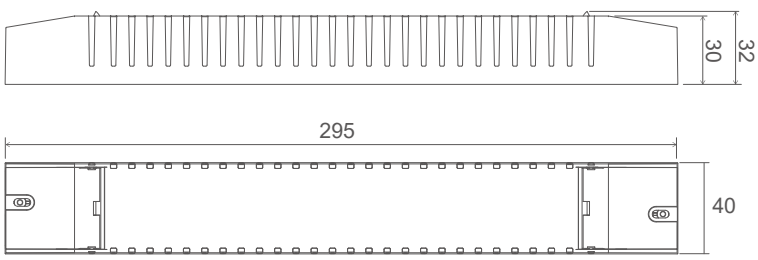
DALI 2　Dimmable 0.1%-100%

SELV

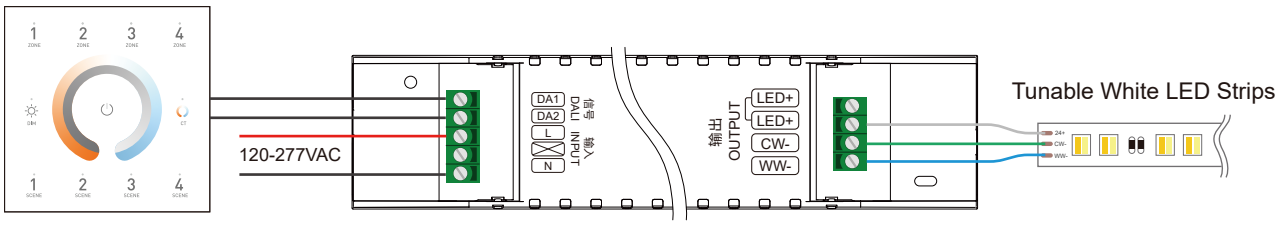
Technical Paramaters

Model	LCP75D-2W24V	
Input	Efficiency	92%@230VAC,Full load
	Voltage	120VAC-277VAC
	Frequency Range(Hz)	50/60Hz
	Power Factor	0.95@230VAC,Full load
	THD(full load)	5%@230VAC, Full load
	AC Current(max)	0.39Amax@230VAC
	Standby power	<0.5W
	Inrush Current(max)	Cold start,35A@230VAC
Output	Current(mA)/Voltage (VDC) Power(W)	3.125A/24VDC/75W
	Channel	2
	Voltage Tolerance	±5%
	Turn on delay Time	<0.5s, at230Vac (When the light begins to shine)
Function	Dimming Type	DALI Dimming
	Dimming Range	0.1%-100% Dimming to off
Protection	Over voltage	Hiccup, recovers after fault condition is removed
	Over load	Hiccup, recovers after fault condition is removed
	Short Circuit	after fault removed Close output ,the output current recovers automatically
Safety& EMC	Surge	L-N:2KV
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA
	DALI Standard	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-207: 2009
	Safety Standards	EN61347, GB19510
	EMI Emission	EN55015, EN61000-3-2
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547
Others	Working Temp.	-20°C~50°C
	Storage Temp., Humidity	-40°C~85°C, 20-90%RH
	tc	80°C
	Material	PC
	IP Rating	IP20
	Lifetime	50,000h@tc:80°C
	Warranty Condition	5 years
	Switch Cycle	25,000 times
	Packing(weight)	Net weight: 340g±5%/PCS; 50PCS/Carton;17.5kg±5%/Carton; Carton Size: 434*302*174mm(L*W*H)
	Dimension	295*40*32mm（L*W*H）

Dimension(mm)

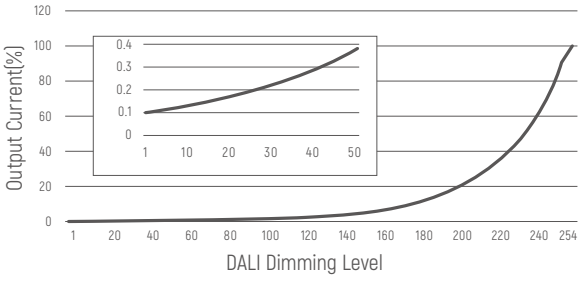


DALI Wiring



Tunable White Panel

Dimming Curve



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 .

LCP75D-2W24V (产品代码:102200570101)



Tunable White(DT8)

DALI 2 | Dimmable 0.1%-100% | SELV

概述

LCP75D-2W24V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3.125A；多路带载时，负载累计不超过3.125A
·遵循DALI协议标准 IEC62386 DT8
·宽电压输入：120VAC~277VAC
·过压保护，短路保护，过载保护
·调光曲线平滑，无闪烁
·IP20，适用于室内LED灯具

应用

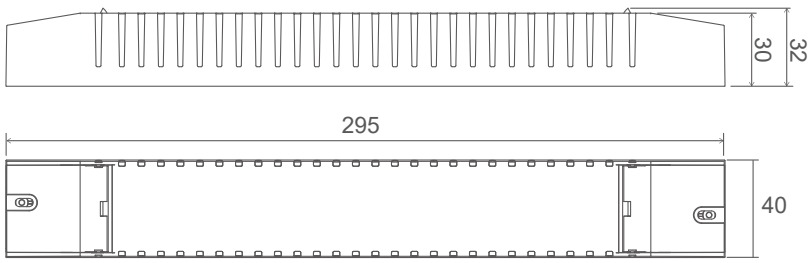
仅用于LED恒压灯带

LED灯带　LED硬灯条

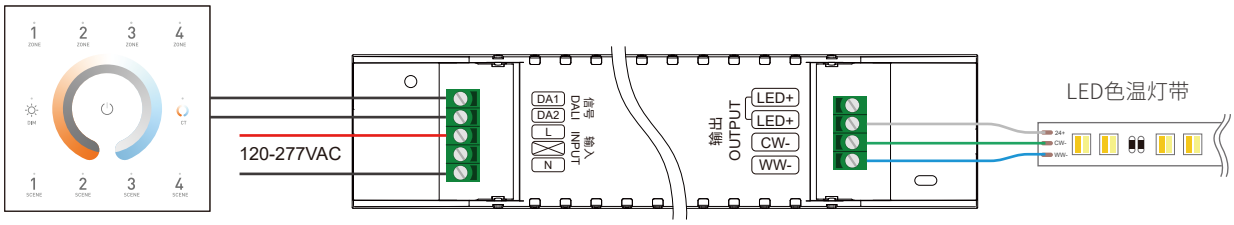
技术参数

型号	LCP75D-2W24V	
输入	效率	92%@230VAC, 满载
	电压	120VAC-277VAC
	频率	50/60Hz
	功率因素	0.95@230VAC, 满载
	THD	5%@230VAC, 满载
	电流	0.39Amax@230VAC
	浪涌电流	冷启动,35A@230VAC
输出	电流/电压/功率	3.125A/24VDC/75W
	通道	2
	电压公差	±5%
	启动延时	<0.5s, at230Vac
功能	调光方式	DALI 调光
	调光范围	0.1%-100% 变暗直至关闭
保护	短路	关闭输出，排除故障后自恢复
	过压	关闭输出，排除故障后自恢复
	过载	关闭输出，排除故障后自恢复
安全&电磁兼容	浪涌	L-N:2KV
	耐压标准	I/P-O/P: 3000VAC/1min/5mA
	DALI 标准	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-207: 2009
	安全标准	EN61347, GB19510
	电磁兼容	EN55015, EN61000-3-2
	EMC抗扰度	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547
其它	工作温度	-20°C~50°C
	储存温度、湿度	-40°C~85°C, 20-90%RH
	tc	80°C
	材质	PC
	防水等级	IP20
	寿命	50,000小时@tc:80°C
	质保	5年
	开关周期	25,000次
	包装尺寸(重量)	净重: 340g±5%/PCS; 50PCS/Carton; 17.5kg±5%/箱; 外箱尺寸: 434*302*174cm(长*宽*高)
	尺寸	295*40*32mm （长*宽*高）

尺寸(mm)

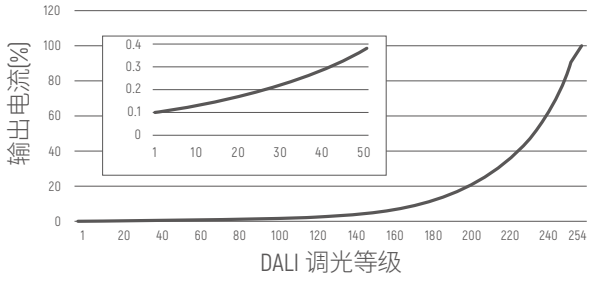


接线图



调光调色面板

调光曲线



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0.75-1.5mm^2 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。