

LCP75D-2W24V

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, Flicker free
- 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



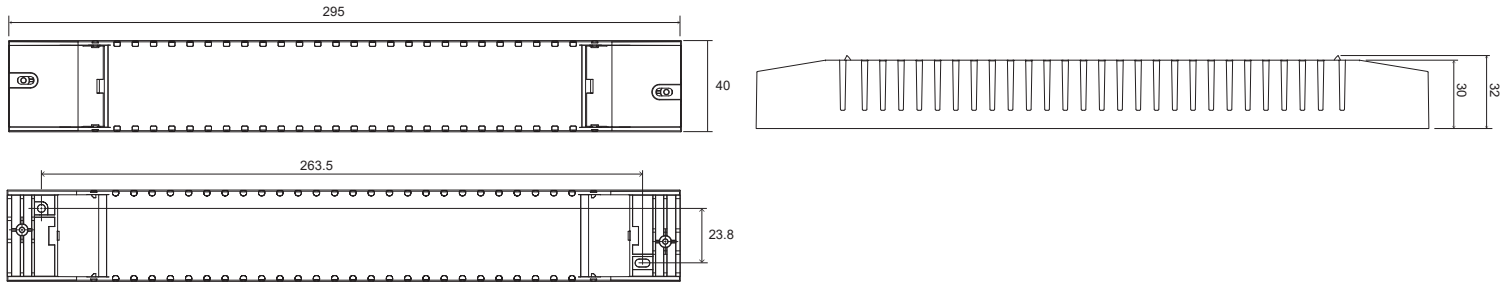
Tunable White(DT8)



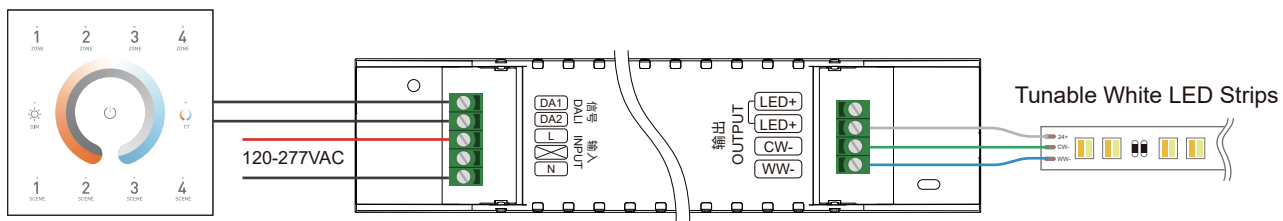
Technical Parameters

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)	0.76Amax@230VAC
	Standby power	<0.5W
	Inrush Current(max)	Cold start,35A@230VAC
Output	Current	3.125A
	Voltage	24VDC
	Power	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	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	CCC [China] GB19510.1, GB19510.14 TUV [Germany] EN61347-1, EN61347-2-13, EN62493
		CB [CBmember states] IEC61347-1, IEC61347-2-13 CE [European Union] EN61347-1, EN61347-2-13, EN62384
		RCM [Australia] AS 61347-1, AS 61347-2-13 ENEC [Europe] EN61347-1, EN61347-2-13, EN62384
	EMC Emission	CCC [China] GB/T17743, GB17625.1
		CE [European Union] EN55015, EN61000-3-2, EN61000-3-3, EN61547
		RCM [Australia] EN55015, EN61000-3-2, EN61000-3-3, EN61547
	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/Cartron;17.5kg±5%/Cartron; Carton Size: 434*302*174mm(L*W*H)
	Dimension	295*40*32mm (L*W*H)

Dimension(mm)

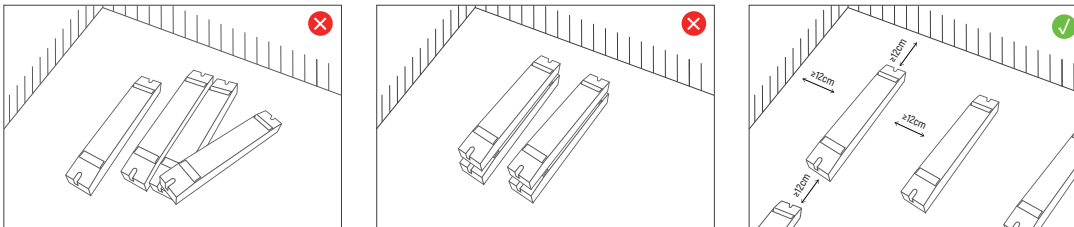


DALI Wiring



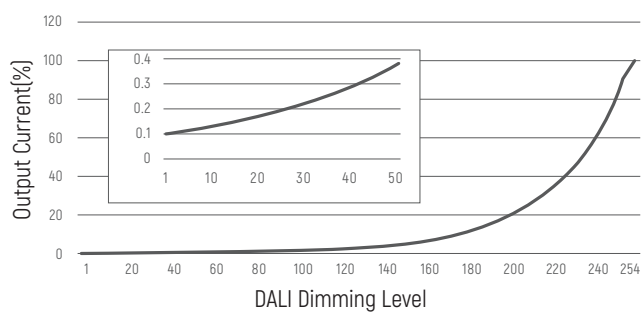
Tunable White Panel

Installation Precautions



Please do not stack the products. The distance between two products should be >12cm so as not to affect heat dissipation and the lifespan of the products.

Dimming Curve



Cautions

This product must be installed and adjusted by a qualified professional.		
1	Confirmation of installation conditions	Waterproof and Protection: Install in a suitable location according to the waterproof and protection requirements of the power supply. Products without waterproof function should be protected from direct sunlight and rain. When installing outdoors, please use a waterproof box for protection. Heat dissipation requirements: The drive power supply should avoid exposure to high temperature environments. Please ensure that the working environment temperature is within the recommended range. To ensure proper heat dissipation of the drive power supply, a well ventilated area should be selected for installation. Good heat dissipation conditions can help extend product lifespan.
2	Power check	Before use, check the product parameters and confirm that the output voltage and current of the LED power supply meet the requirements
3	Safe wiring	- Use cables that meet the specifications to ensure that the cross-section of the wire matches the requirements of the driving power supply. Solid cables typically measuring 0.75-2.5 mm², (Please refer to the silk screen printing or wiring diagram in the instruction manual for specific wire diameter requirements). - If the power supply (metal casing) is installed on a grounded lighting component or equipment, the power supply needs to be grounded.
4	Wiring confirmation	Before power on debugging, ensure that the wiring is secure and avoid poor contact to prevent unstable current or equipment damage.
5	Repair suggestions	If the product malfunctions, please do not repair it without authorization. If you have any questions, please contact the supplier or sales team for assistance.

※ 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 .

Warranty Agreement

1. Warranty periods from the date of delivery : 5 years.
2. Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

The following situations are not covered by the free warranty or replacement service:

1. Exceeding the warranty period.
2. Damage caused by human factors such as high voltage, overload, and improper operation.
3. The appearance of the product is severely damaged or deformed.
4. Normal wear and tear or aging during regular product use.
5. Damage caused by natural disasters or force majeure factors.
6. The quality inspection label of the product is damaged (QC PASS).
7. No contract or valid invoice proof signed with EUCHIPS has been provided.

※ Remedies: Repair or replacement is the only remedy provided by EUCHIPS to the customer, and EUCHIPS shall not be liable for incidental damages arising from repair or replacement, unless within the scope of applicable law.

※ Adjustment of Warranty Terms: EUCHIPS reserves the right to modify or adjust the warranty terms, which shall be published in writing.

Revision history

Change date	Version	Item	From	To
2022.01.20	V1.0	First release		
2026.07.25	V1.1	Dimming Range	0.1%-100%	1%-100%