

LCP150M-2W24V (Product No.:101200050201)

Summary

LCP150M-2W24V is a constant voltage mode output LED driver, adjustment of brightness and colour temperature.

Product Feature

- Double channel constant voltage output, output current 6.25A Max
- Support RDM/DMX512 dimming signal
- Dimming range from 0.5-100%
- Wide range voltage Input 120-277VAC
- High efficiency: up to 90%
- High PF:0.98
- Dimming effect smooth, no flicker
- Output short circuit protection , Overload protection,Overvoltage protection

Application

For LED constant voltage strip light only



LED Strip Light



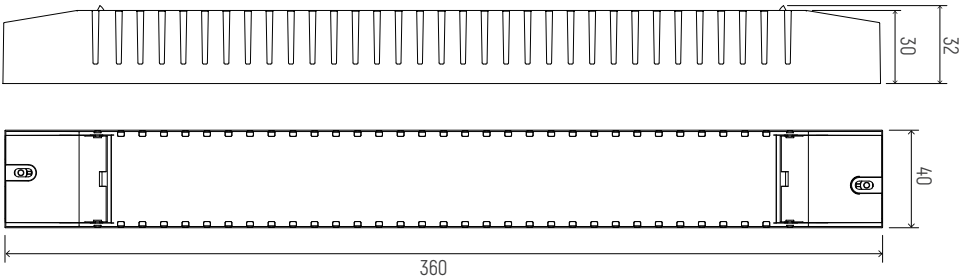
LED Tube



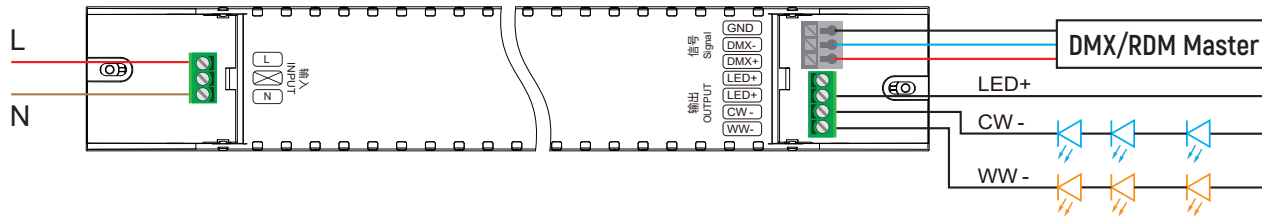
Technical Parameters

Model	LCP150M-2W24V	
Input	Efficiency	90%@220VAC, Full load
	Voltage	120VAC-277VAC
	Frequency	50/60Hz
	Power Factor	0.98@230VAC, Full load
	Current	0.75Amax@220VAC, Full load
	THD	<10%@220VAC, Full load
	Inrush Current	Cold start, 40A@220VAC
Output	Current/Voltage/Power	6.25A/24VDC/150W
	No load output voltage	24VDC±5%
	Channel	2
	Voltage Tolerance	±5%
	Turn On Delay Time	<0.75s, (at 230V, 50 Hz, full load)
Function	Dimming Mode	RDM/DMX512
	Dimming range	0.5%-100%
Protection	Short Circuit	Close output, recovers automatically after fault removed
	Overload	the output current decreases , Hiccup Protection
	Overvoltage	the output current decreases , Hiccup Protection
Safety&EMC	Surge	L-N:2KV
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA
	Safety standards	EN61347, GB19510
Others	Working Temp.	-20°C~50°C
	Storage Temp.; Humidity	-40°C~85°C, 20-90%RH
	Tc	90°C
	Material	PC
	IP Rating	IP20
	Lifetime	50,000h@tc:90°C
	Warranty Condition	5 years
	Switch Cycle	>25,000 times
	Packing Size	Net weight: 730g±5%/PCS; 25PCS/Carton;19kg±5%/Carton; Carton Size:377*241*196mm(L*W*H)
	Dimension	360*40*32mm (L*W*H)

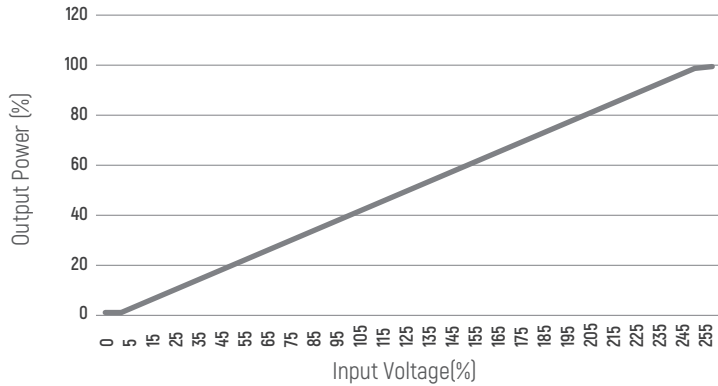
Dimension(mm)



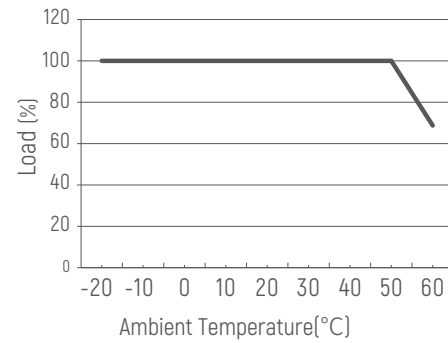
Wiring Diagram



Dimming Curve

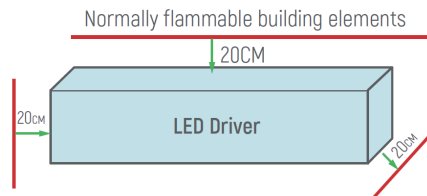


Derating Curve



Cautions

- 1.The product shall be installed and serviced by a qualified person.
- 2.This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
- 3.Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 4.Please check if the output voltage and current of any LED power supplies used comply with the requirement of the product.
- 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.For safety consideration, PVC or rubber cord of 0.75-1.5mm² is recommended for input and output terminal(s) . 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.If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.
- 8.No insulation between dimming circuit and LV circuit



LCP150M-2W24V (产品代码:101200050201)

概述
LCP150M-2W24V是一款恒压输出LED调光驱动器，驱动支持调光调色。

- 产品特点**
- 双通道恒压输出，最大输出电流为6.25A
 - 支持 RDM/DMX512信号
 - 调光范围从 0.5-100%
 - 宽电压输入120-277VAC
 - 高效率:达到90%
 - 高PF:0.98
 - 调光曲线平滑，无抖动
 - 具有输出短路保护，过压保护，过载保护

应用
仅用于LED恒压灯带

LED灯带

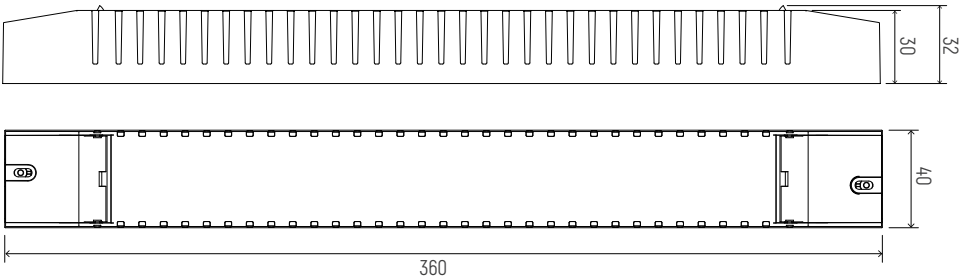
LED硬灯条



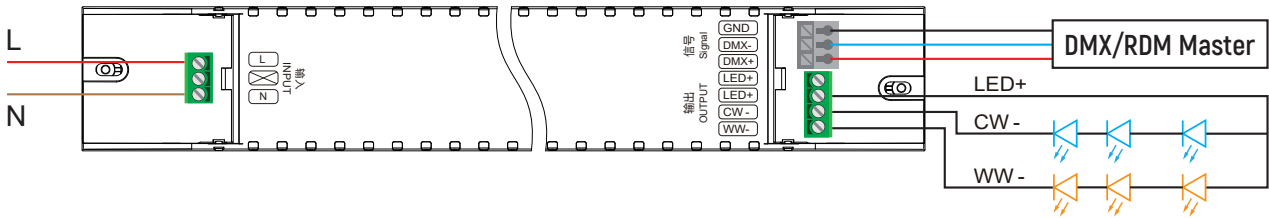
技术参数

型号	LCP150M-2W24V	
输入	效率	90%@220VAC, 满载
	电压	120VAC-277VAC
	频率	50/60Hz
	功率因素	0.98@230VAC, 满载
	电流	0.75Amax@220VAC, 满载
	THD	<10%@220VAC, 满载
	浪涌电流	冷启动40A@220VAC
输出	电流/电压/功率	6.25A/24VDC/150W
	空载电压	24VDC±5%
	通道	2
	电压公差	±5%
	启动延时	<0.75s, [at 230V, 50 Hz, 满载]
功能	调光方式	RDM/DMX512
	调光范围	0.5%-100%
保护	短路	关闭输出 去除后自恢复
	过载	降低电流打嗝保护
	过压	降低电流打嗝保护
安规和电磁兼容	浪涌	L-N:2KV
	耐压	I/P-O/P: 3000VAC/1min/5mA
	安全标准	EN61347, GB19510
其它	工作温度	-20°C~50°C
	储存温度、湿度	-40°C~85°C, 20-90%RH
	tc	90°C
	材质	PC
	防水等级	IP20
	寿命	50,000小时@tc:90°C
	质保	5年
	开关周期	>25,000次
	包装重量	净重:730g±5%/PCS; 25PCS/箱; 19kg±5%/箱; 外箱尺寸:377*241*196cm[长*宽*高]
	尺寸	360*40*32mm (长*宽*高)

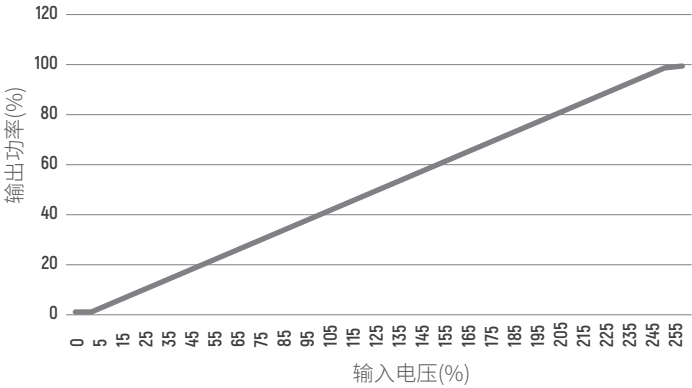
产品尺寸



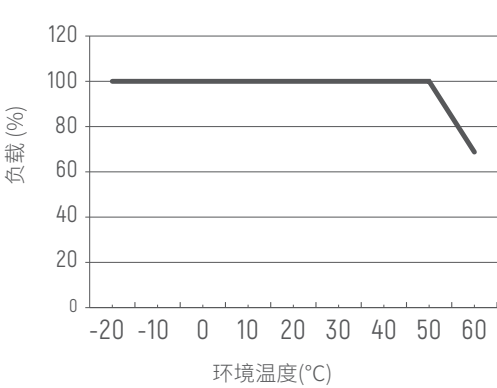
应用接线图



调光曲线



降额曲线



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0.75-1.5mm²PVC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。