

## LCP150D-2W12V (Product No.:102200580101)

### Summary

LCP150D-2W12V 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 12.5A ; separately ; When carrying multiple loads, the cumulative load shall not exceed 12.5A
- Meet DALI protocol IEC 62386 DT8
- Wide input voltage of 120VAC ~ 277VAC
- Dimming effect smooth, no flicker
- Over load protection; short circuit protection
- IP20, suitable for indoor LED lighting application



Tunable White(DT8)



### Application



Wall Washer



LED Strip Light



LED Tube



Underground Light

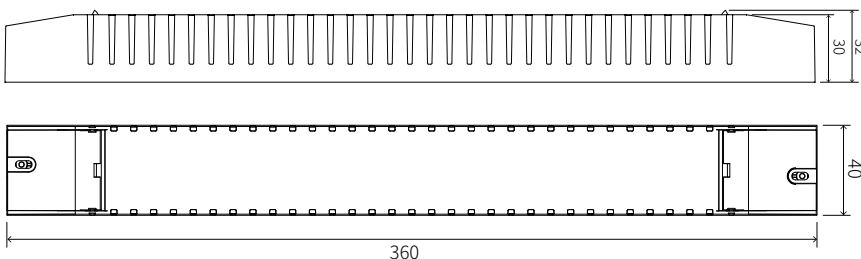


AR111 Venture Light

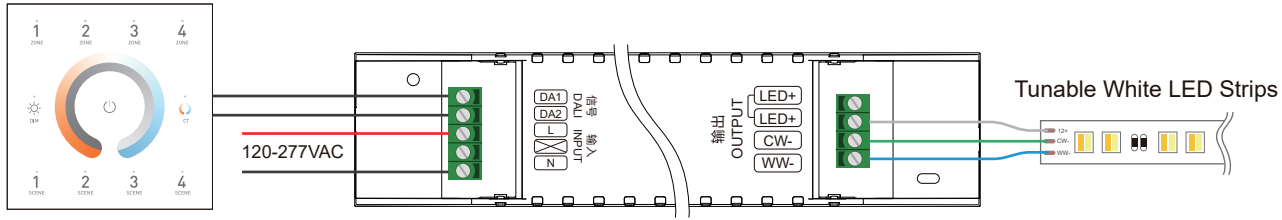
### Technical Paramaters

| Model       | LCP150D-2W12V             |                                                                                        |
|-------------|---------------------------|----------------------------------------------------------------------------------------|
| Input       | Efficiency                | 90%@230VAC,Full load                                                                   |
|             | Voltage                   | 120VAC-277VAC                                                                          |
|             | Frequency Range(Hz)       | 50/60Hz                                                                                |
|             | Power Factor              | 0.98@230VAC, full load                                                                 |
|             | THD(full load)            | 5%@230VAC, Full load                                                                   |
|             | AC Current(max)           | 0.85Amax@230VAC                                                                        |
|             | Standby power             | <0.5W                                                                                  |
|             | Inrush Current(max)       | Cold start,40A@230VAC                                                                  |
| Output      | Current / Voltage / Power | 12.5A/12VDC/150W                                                                       |
|             | 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 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: 3750VAC/1min/5mA                                                              |
|             | DALI Standard             | IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-207: 2009, DALI 2.0                |
|             | Safety Standards          | EN61347, GB19510                                                                       |
|             | EMC Emission              | EN50515, 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                        | 90°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: 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)

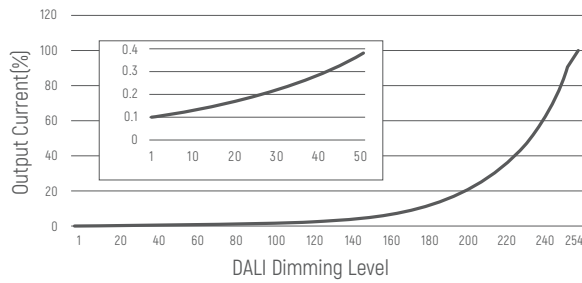


## DALI Wiring



## 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- 1.5mm<sup>2</sup> 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.

LCP150D-2W12V (产品代码:102200580101)

概述

LCP150D-2W12V是一款可以用于室内的恒压输出LED调光驱动器。符合DALI标准协议 IEC62386。

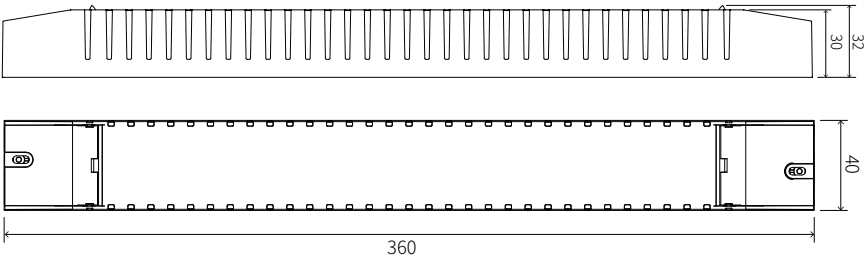
产品特点

- 2通道恒压输出，每路单独载12.5A；多路带载时，负载累计不超过12.5A
- 遵循DALI协议标准 IEC62386
- 宽电压输入：120VAC~277VAC
- 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

技术参数

| 型号        | LCP150D-2W12V-0 |                                                                         |
|-----------|-----------------|-------------------------------------------------------------------------|
| 输入        | 效率              | 90%@230VAC, 满载                                                          |
|           | 电压              | 120VAC-277VAC                                                           |
|           | 频率              | 50/60Hz                                                                 |
|           | 功率因素            | 0.98@230VAC, 满载                                                         |
|           | THD             | 5%@230VAC, 满载                                                           |
|           | 电流              | 0.85Amax@230VAC                                                         |
|           | 浪涌电流            | 冷启动40A@230VAC                                                           |
| 输出        | 电流/电压/功率        | 12.5A/12VDC/150W                                                        |
|           | 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                                                           |
|           | 过载              | 超过输出电流，打嗝保护                                                             |
| 安全 & 电磁兼容 | 浪涌              | L-N:2KV                                                                 |
|           | 耐压标准            | I/P-O/P: 3750VAC/1min/5mA                                               |
|           | DALI 标准         | IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-207: 2009, DALI 2.0 |
|           | 安全标准            | EN61347, GB19510                                                        |
|           | 电磁兼容            | EN50515, 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              | 90°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: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)                                                     |

尺寸(mm)



应用



洗墙灯



LED灯带



LED硬灯条

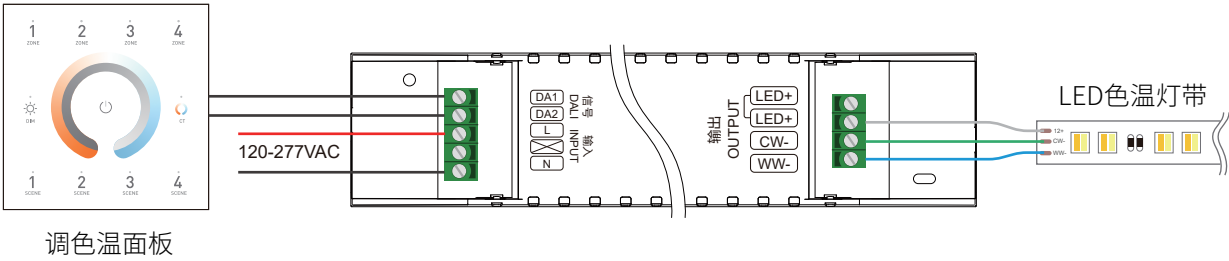


地埋灯

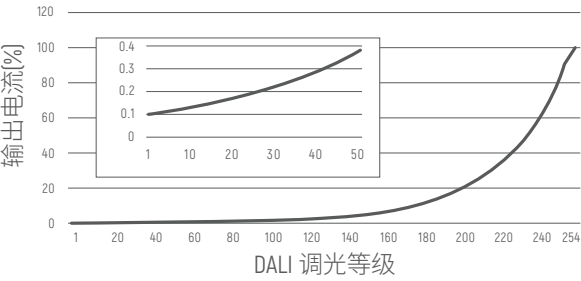


AR111射灯

接线图



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<sup>2</sup> 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。