

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

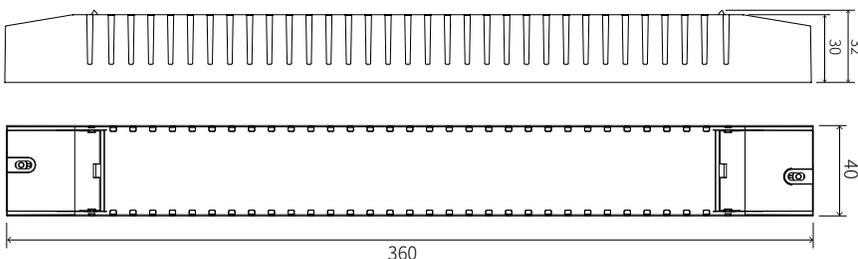
- 2 channels of constant voltage output, each carrying 12.5A ; separately ; When carrying multiple loads, the cumulative load shall not exceed 12.5A
- Meet DALI protocol IEC 62386 DT8
- Wide input voltage of 120VAC ~ 277VAC
- Dimming effect smooth, no flicker
- Over load protection; short circuit protection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

Suitable for 'Commercial built in' applications only

Technical Parameters

| 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 |
| Others | EMC Immunity | EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547 |
| | 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)



Suitable for
'Commercial built in'
applications only



Tunable White(DT8)



Application



Wall Washer



LED Strip Light



LED Tube

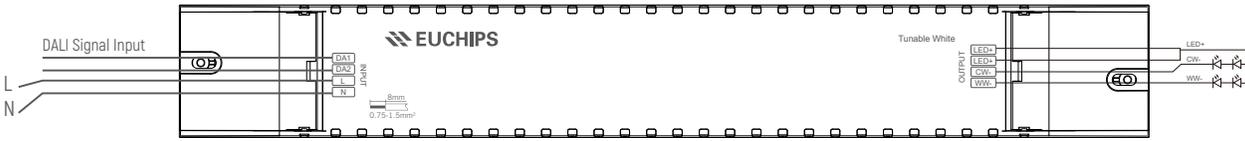


Underground Light

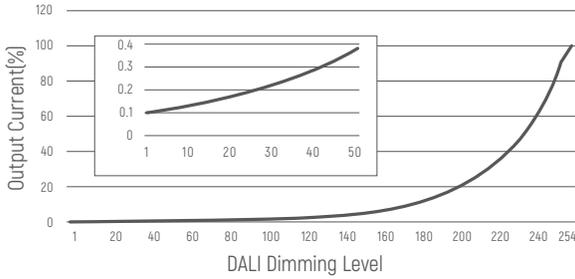


AR111 Venture Light

DALI Wiring



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 .