

# TAD - 2LC, LED 2 ways driver

## Theatrical standard

TAD-2LC is a compact driver box, specially design for driving all common COB LED downlights of 10W to 30W within 12-48V. It gives you all the mood that traditional tungsten lamp created in the stall area of an auditorium.

TAD-2LC accepts 4 type of input signals, DMX-512A (RDM), DALI, 1-10VDC and manual dim which offer your greatest comfort in using it with various control systems. Whatever input signals you selected to use, there are 4 dimming curves, namely Linear, Square, S-Curve, GAMMA curve(standard DALI curve) and 2 control mode, 8 bit or 16 bit, for your choice.

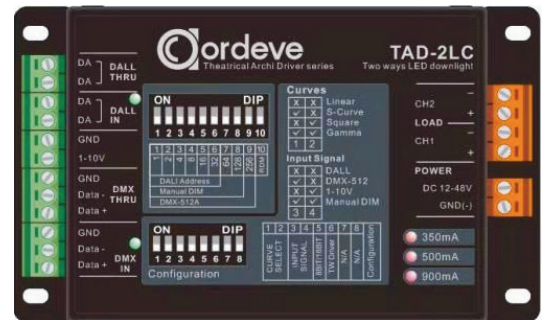
Being able to match with different input voltage and wattage of the downlights, it can be set to work in 350mA, 500mA and 900mA constant current output.

TAD-2LC is a dual channel driver. It can be used as 2 independent channels to drive 2 downlights to save system cost or as dual channels to drive Colordeve TAD Tuneable white downlight for applications required colour temp matching.

Smooth dimming from 1-100% is achieved in TAD-2LC thanks to the advance Pulse Density Modulation (PDM) methodology inside.

### Features

- 2 independent channel output or set as dual channel for Colordeve TAD-HL-TW series tunable white downlight
- Each load output is designed for 10-30W downlight
- 4 types of input signals can be selected: DMX-512A, DALI, 1-10VDC and manual dim
- 3 constant current output choices: 350mA, 500mA and 900mA
- 4 dimming curves: linear, square, S-curve and GAMA
- Selectable 8 bit or 16 bit control mode for all input signal types
- RDM working status feedback for system monitoring
- Perfect dimming range from 1-100% by PDM in 20bit resolution
- Output Last hold when signal lost on DALI and DMX
- Accept wide range of input voltage from 12-48VDC
- 2 & 3 pin detachable terminal connections
- CE marked
- 3 years warranty



## Specifications

### Input Signals

DMX-512A(RDM)  
 DALI (4 dimming curves available)  
 1-10VDC  
 Manual DIM

### Dimming Curves

Linear  
 Square  
 S-curve  
 GAMMA curve

## Physical

Signal: 2 & 3 pin detachable terminal connectors ;  
 DMX-512A(RDM), DALI, 1-10VDC  
 Input Power: 2 pin detachable terminal connectors;  
 12 - 48VDC / 2.2A(max)  
 Dimensions : 120mm(L) x 72mm(W) x 23mm (H)  
 Weight: 300 gram

CE Marked

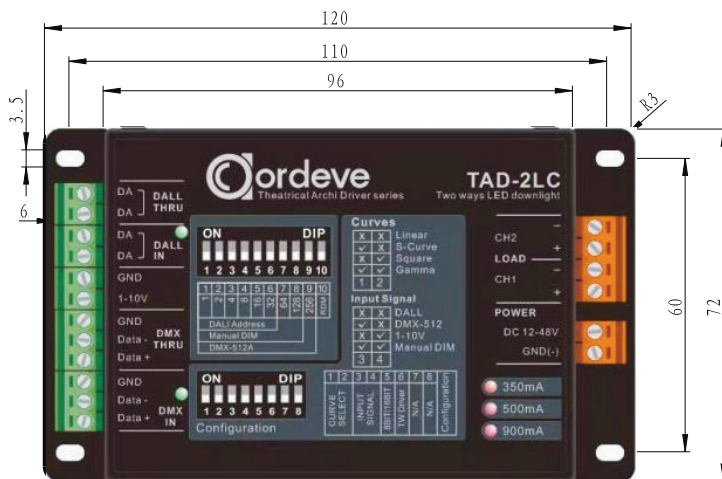
## RDM Informations

DEVICE\_INFO: Labels of Manufacturer, Device, Model & Software version  
 STATUS\_ID\_DESCRIPTION: DALI On/Off, DMX On/Off, Load Current(350mA/500mA/900mA)  
 FACTORY\_DEFAULT: Let all setting back to the DipSW status  
 DMX\_START\_ADDRESS: Remote DMX start address set  
 SENSOR\_VALUE: Feedback the Driver temperature, 1-10V voltage, Load Intensity in percentage

## Setup Information

1. Select the dimming curve using pin 1 & 2 (Configuration Dip Switch)
2. Select the type of input signal using pin 3 & 4 (Configuration Dip Switch) and connect the signal wire to appropriate terminals
3. Open the backside cover and set the constant current rating required 350mA, 500mA or 900mA, default setting at 350mA
4. Connect the 2 load outputs to the downlights
5. Connect the DC power input
6. If manual DIM is the input mode, set the dimming level using the Address Dip Switch
7. Set the DALI or DMX address using the Address Dip Switch
8. Turn on the input signal.

## Dimensions



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