

Color
is our nature



24A Full-Color Dimmable LED Driver

LINEARdrive DC is a constant voltage LED driver with multiple LED outputs that are controlled over four channels. It is targeted at larger networked and smaller standalone installations that require dimmable, low-power full-color static or dynamic LED lighting. LINEARdrive DC is DALI, DMX/RDM, LedSync and 0-10V compatible.

Applications

- Entertainment lighting
- Full-color architectural lighting
- Signage / advertising lighting
- Cove lighting
- Decorative lighting
- Dynamic color panel lighting

Features & benefits

Input

- Voltage: 12 - 28 VDC for LINEARdrive 720D1
- Current, max:
LINEARdrive 720D: 24A, irrespective of PSU voltage



LINEARdrive DC Series

Output

- Voltage: 5V, 12V, 24V
- Max load per output:

General

- DALI (LINEARdrive 720D only), USITT DMX512A / RDM (ANSI E1.20), LedSync and 0-10V compatible
- HydraDrive: 15-bit resolution
- Dimming control: smooth dimming from 100% to 0.1%, gamma-corrected curve
- Intuitive 3-button user interface for on-the-fly configuration
- Interface for external control device: 10kΩ potentiometer, 0-10V or show switch
- ShowMaster: 9 default shows, up to 20 user-defined shows, uploadable via TOOLbox and PC software

Product

Description

LINEARdrive DC, 100W, DMX/DALI/0-10V, 4 control channels, constant voltage, 4x LED outputs
LINEARdrive DC, 180W, DMX/DALI/0-10V, 4 control channels, constant voltage, 4x LED outputs
LINEARdrive DC, 720W, DMX/DALI/0-10V, 4 control channels, constant voltage, 4x LED outputs

Product

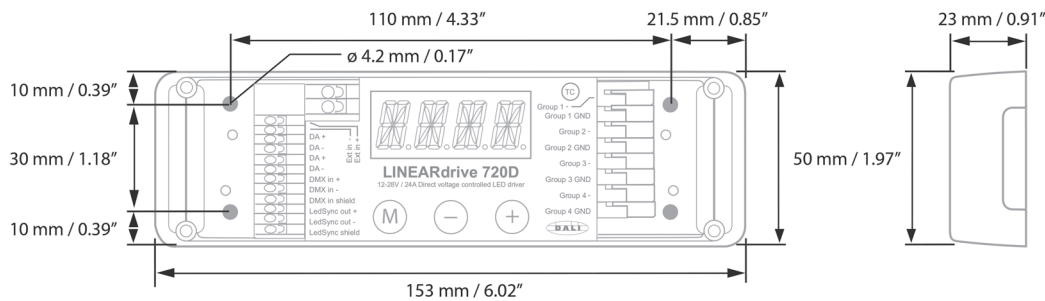
LINEAR 100D
LINEAR 180D
LINEAR 720D

Order no.

011343
011344
011345

Dimensions, weight, packaging

- Weight LINEARdrive 100D and 180D: 120 g, 4.23 oz Weight LINEARdrive 720D: 144 g, 5.08 oz
- Packaging: 12pcs / carton



Connections

Connectors LINEARdrive 100D/180D

- VDC: + and -
- DMX in: +, - and shield
- LedSync thru: +, - and shield
- Ext in: + and -
- LED outputs: 4 outputs with common +

Connectors LINEARdrive 720D

- VDC: + and -
- DMX in: +, - and shield
- LedSync out: +, - and shield
- DALI: + and - (x2)
- Ext in: + and -
- LED outputs: + and - (x4)

Wiring

- Cross section: 0.5 - 1.5 mm², AWG 20 - 16
- Strip length: 9 mm / 0.35 in.

Other information

Certifications

- CE
- IEC 61347, EN 55015, IEC 61003, EN 61547
- UL: UL Recognized Component (file no. E333135)
LINEARdrive 100D is Class 2 output.

Environmental ratings

- Ta range: -20°C...50°C / -4°F...122°F
- Tc max: 65°C / 149°F
- For use in dry locations

Control compatibility

- DALI control gear (LINEARdrive 720D)
- DMX512A and RDM explore & address (ANSI E1.20) control gear
- Standard 0-10V switch controls

