eldoLED
your product | our drive

Colour
is our nature

4x2A Full-Colour Dimmable LED Driver

LINEARdrive AC 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-colour static or dynamic LED lighting. LINEARdrive AC is DALI, DMX/ RDM and LedSync compatible.

Applications

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

Features & benefits

Input
- Voltage: 120 - 277 VAC
- Current, max:
  1A at 120V/60Hz
  0.5A at 230V/50Hz
  0.45A at 277V/60Hz
- Frequency: 50/60Hz

LINEARdrive 100/A

Output
- Voltage: 12VDC or 24VDC, selectable via DIP switch
- Current: 2.8A absolute max rating per output
- Power: 100W max
- 4 LED outputs and 1 common anode

  For a description of various use cases at different output voltages and loads, refer to the driver's tech sheet.

LINEARdrive 100/S

General
- Power factor: > 0.94
- DALI, DMX/RDM and LedSync compatible
- Hybrid HydraDrive: 15-bit resolution
- Dimming control: smooth dimming from 100% to 0%, choice of linear or logarithmic dimming curve
- Intuitive 3-button user interface for on-the-fly configuration
- Interface for external control device: 10kΩ potentiometer, 0-10V source or momentary switch
- DIP switch for 12V or 24V operation
- ShowMaster: 9 default shows, up to 20 user-defined shows, uploadable via TOOLbox and PC software

LINEARdrive 100/M

Product offering

Description	Product	Order no.
LINEARdrive AC, 100W, DMX/DALI/0-10V, 4 control channels, const voltage, 4x 12/24V LED outputs, long metal/plastic	LINEAR 100/A	LIN100A1
LINEARdrive AC, 100W, DMX/DALI/0-10V, 4 control channels, const voltage, 4x 12/24V LED outputs, square metal	LINEAR 100/S	LIN100S1
LINEARdrive AC, 100W, DMX/DALI/0-10V, 4 control channels, const voltage, 4x 12/24V LED outputs, long metal	LINEAR 100/M	LIN100M1

     More product documentation and eldoLED's terms and conditions are available at www.eldoled.com.
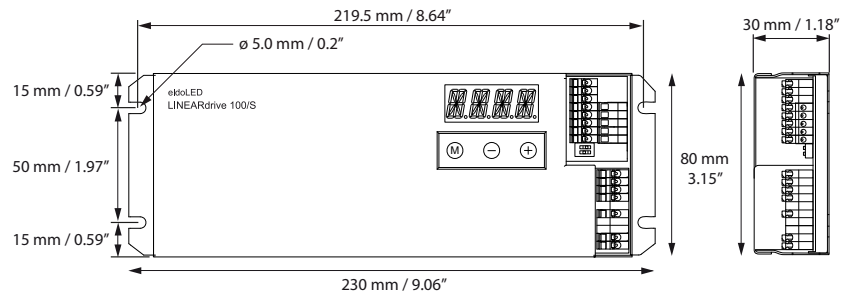
Dimensions, weight, packaging

LINEARdrive 100/A

- Weight: 705 g, 26 oz
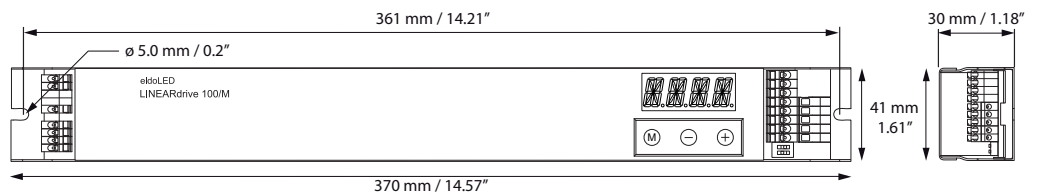- Packaging: 20 pcs/carton
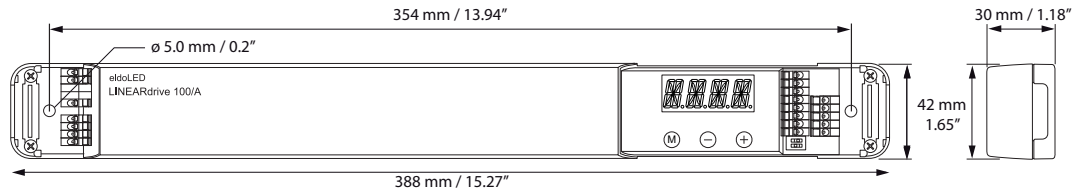
LINEARdrive 100/S

- Weight: 880 g, 31oz
- Packaging: 20 pcs/carton

LINEARdrive 100/M

- Weight: 880 g, 31 oz
- Packaging: 20 pcs/carton

Connections

Connectors

- Power: Line, Neutral and Ground
- DALI: + and - (x2)
- DMX in: +, - and shield
- LedSync out: +, - and shield
- Ext in: + and -

Connectors (cont'd)

- LED outputs: 4 outputs with common +
- LEDcode/NTC: + and -

Wiring

- Cross section: 0.5 - 1.5 mm^2, AWG 20 - 16
- Strip length: 9 mm / 0.35 in.

Other information

Certifications

- IEC 61347-1, IEC 61347-2-13, IEC 62384 + A1, EN 55015 + A1, EN 55022 + A1, IEC 61000-3-2, IEC 61547 + A1, IEC 62386-207
- CE
- ENEC by VDE
- UL: Recognized Component for US and Canada (file no. E333135), according to UL1310 and UL8750. Class 2 output for US and Canada.

Environmental ratings

- Ta range: -40°C...50°C / -40°F...122°F
- Tc max: 90°C / 194°F (100/A) and 85°C / 185°F (100/M and 100/S)
- For use in damp and dry locations

Control compatibility

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

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Other documentation and support

Visit www.eldoled.com/ACsupport for further documentation such as quick start guide, wiring diagram, tech sheet and 3D IGES files.

Warranty

eldoLED represents and warrants that for a period of 3 (three) years, as of the date of invoice, Products materially meet the specifications and specifically agreed upon quality, both as stated in the applicable datasheet and/or written design-in specifications, or as stated in writing otherwise by eldoLED, provided that these specifications are explicitly designated by eldoLED as "warranted specifications".

For the complete warranty text, visit www.eldoled.com/terms.