

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: AC 120-277V
DC 120-275V
- 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



LINEARdrive 100/S

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



LINEARdrive 100/M

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 or momentary switch
- DIP switch for 12V or 24V operation
- ShowMaster: 9 default shows, up to 20 user-defined shows, uploadable via TOOLbox pro and ShowMaster DMX software

Product offering

Description

LINEARdrive AC, 100W, DMX/DALI, 4 control channels, constant voltage, 4x 12/24V LED outputs, long metal/plastic
 LINEARdrive AC, 100W, DMX/DALI, 4 control channels, constant voltage, 4x 12/24V LED outputs, square metal
 LINEARdrive AC, 100W, DMX/DALI, 4 control channels, constant voltage, 4x 12/24V LED outputs, long metal

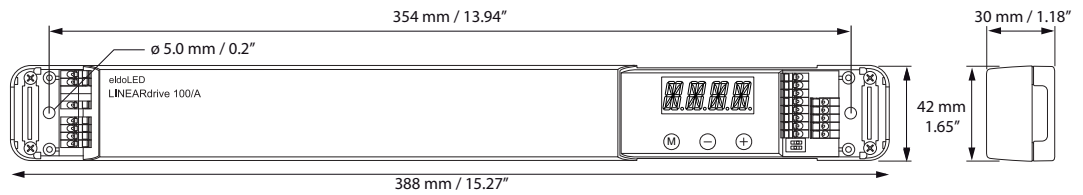
Product

LINEAR 100/A LIN100A1
 LINEAR 100/S LIN100S1
 LINEAR 100/M LIN100M1

Dimensions, weight, packaging

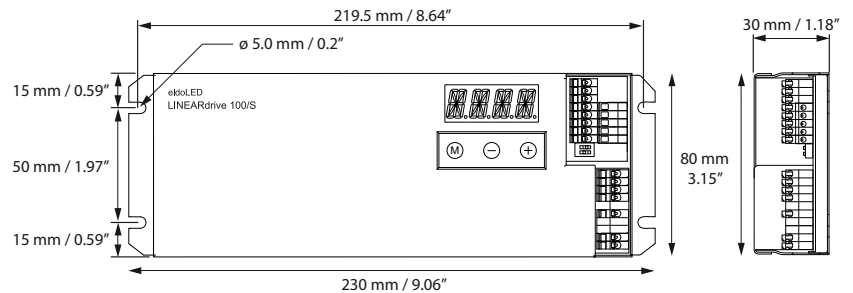
LINEARdrive 100/A

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



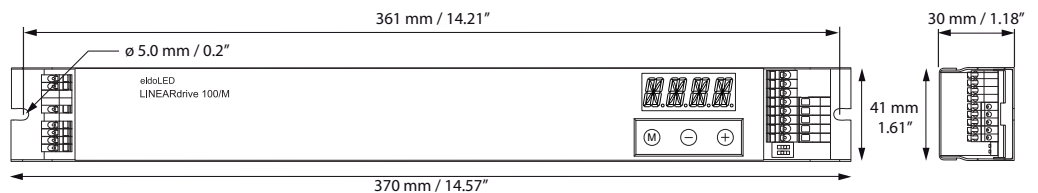
LINEARdrive 100/S

- 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 mm², AWG 20 - 16
- Strip length: 9 mm / 0.35 in.

Other information

Certifications

- EN 61347-1 / -2-7 / -2-13, EN 62384, EN 55015, EN 55022, EN 61000-3-2, EN 61547, EN 62386-101/102/207
- 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



Europe, Rest of World

eldoLED B.V.
Luchthavenweg 18a
NL-5657 EB Eindhoven
The Netherlands
T: +31 40 2054050
F: +31 40 2054058

North America

eldoLED America, Inc.
1762 Technology Drive #226
San Jose, CA 95110
USA
T: +1 408 451 9333
F: +1 408 451 9335

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.