



Light
is our passion

50W Dimmable DALI LED Driver

DUALdrive 560 is about two separately controllable LED outputs - whether used in dual-head fixtures or dynamic white applications, DUALdrive offers DALI compatible, beautiful dimming all the way down to 0% brightness. DUALdrive, like all eldoLED AC series products, is programmable, has a wide application area and is ready for LEDcode-based feature extensions.

Applications

- Office lighting
- Architectural lighting
- Signage and advertising lighting
- Tunable white lighting
- Combined task / ambient lighting
- Retail display lighting

Features & benefits

Input

- Voltage: 120 - 277V AC
120 - 250V DC
- Current, max: 0.7A
- Frequency: 50/60Hz



DUALdrive 560/M

Output

- Class 2 LED outputs (x2)
- Voltage: 55V typ
- Current range: settable from 200mA to 1,050mA for each LED output separately
- Power: 50W max



DUALdrive 560/S

General

- Power factor: > 0.9
- DALI compatible (IEC 62386-101/102/207)
- Hybrid HydraDrive: efficient, smooth and flicker-free dimming
- Full dimming control: 100% to 0%, choice of linear or logarithmic dimming curve
- Highly efficient over a wide power and voltage range: 89% at full load, ≥ 85% above 67% load
- Maximum (rated) power available over wide LED voltage (30-55V) and LED current range (200-1,050mA)
- NTC interface for robust thermal management
- LEDcode: programming interface (LED output current, NTC temperature, dimming curve, minimum dimming level) and sensor/extended feature set interface



DUALdrive 560/A

Product offering

Description

- DUALdrive AC, 50W, DALI, 2 ballasts, constant current, 2x 60V LED outputs, long metal
- DUALdrive AC, 50W, DALI, 2 ballasts, constant current, 2x 60V LED outputs, square metal
- DUALdrive AC, 50W, DALI, 2 ballasts, constant current, 2x 60V LED outputs, square metal/plastic

Product

- DUAL 560/M
- DUAL 560/S
- DUAL 560/A

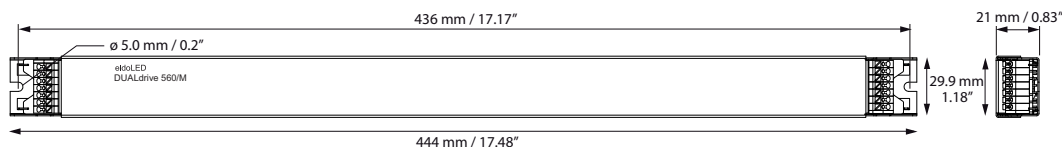
Order no.

- DL0560M1
- DL0560S1
- DL0560A1

Dimensions, weight, packaging

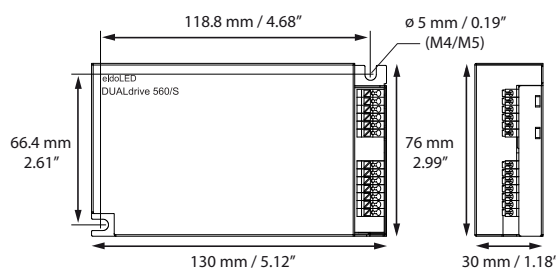
DUALdrive 560/M

- Weight: 360 g, 12.7 oz
- Packaging: 8 or 28 pcs/carton



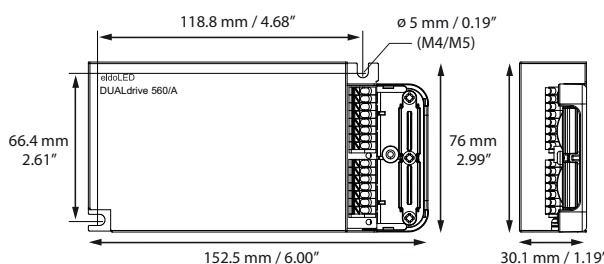
DUALdrive 560/S

- Weight: 350 g, 12.35 oz
- Packaging: 6, 10 or 45 pcs/carton



DUALdrive 560/A

- Weight: 372 g, 13.12 oz
- Packaging: 6 or 45 pcs/carton



Connections

Connectors

- LED outputs: + and - (x2)
- LEDcode / NTC: + and -
- DALI: + and - (x2)
- Power: Line, Neutral and Ground

Wiring

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

LEDcode configuration

- USB-LEDcode interface: TOOLbox pro (part number: TLU20503)
- FluxTool software: for Mac and PC freely downloadable from www.eldoled.com/fluxtool

Other information

Certifications

- EN 61347, EN 61347-2-13, EN 62384, EN 55015, EN 55022, EN 61000-3-2, EN 61547, EN 62386-101/102/207
- CE
- ENEC by DEKRA
- EL: IEC 61347-2-7
- UL: Recognized Component for US and Canada (file no. E333135), according to UL1310 and UL8750. US: Class 2 output. Canada: Non-Class 2 output.

Environmental ratings

- Ta range: -20 °C...+50 °C / -4 °F...+122 °F
- Tc max: 85 °C / 185 °F
- Tc lifetime: 78 °C / 172.4 °F
- For use in damp and dry locations

Control compatibility

- DALI control gear



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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.