eldoLED
your product | our drive

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 - 277 VAC
- 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 50% 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

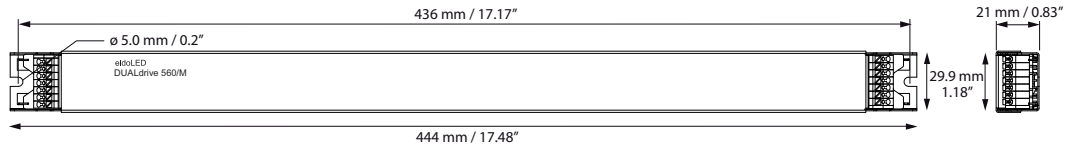| Description	Product	Order no.
DUALdrive AC, 50W, DALI, 2 ballasts, constant current, 2x 60V LED outputs, long metal	DUAL 560/M	DL0560M1
DUALdrive AC, 50W, DALI, 2 ballasts, constant current, 2x 60V LED outputs, square metal	DUAL 560/S	DL0560S1
DUALdrive AC, 50W, DALI, 2 ballasts, constant current, 2x 60V LED outputs, square metal/plastic	DUAL 560/A	DL0560A1

Dimensions, weight, packaging

DUALdrive 560/M

- Weight: 360 g, 12.7 oz
- Packaging: 4, 10 or
  40 pcs/carton

436 mm / 17.17″
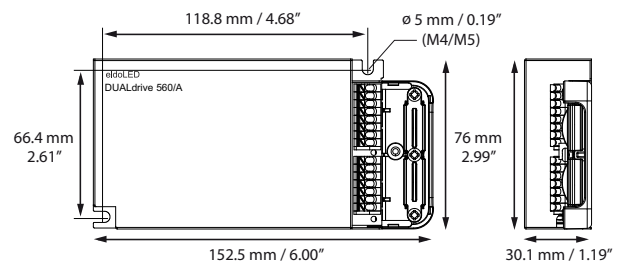
ø 5.0 mm / 0.2″

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DUALdrive 560/M

21 mm / 0.83″

29.9 mm
1.18″

444 mm / 17.48″

DUALdrive 560/S

- Weight: 350 g, 12.35 oz
- Packaging: 4, 10 or 40 pcs/carton

118.8 mm / 4.68″

ø 5 mm / 0.19″
(M4/M5)

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DUALdrive 560/S

66.4 mm
2.61″

76 mm
2.99″

130 mm / 5.12″

30 mm / 1.18″
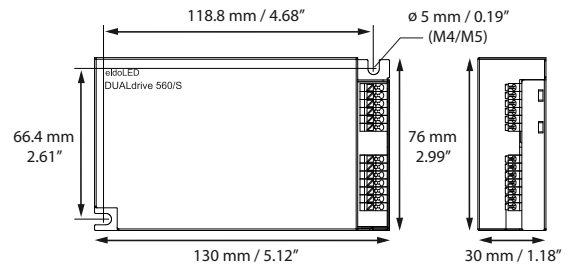
DUALdrive 560/A

- Weight: 372 g, 13.12 oz
- Packaging: 4, 10 or 40 pcs/carton

118.8 mm / 4.68″

ø 5 mm / 0.19″
(M4/M5)

eldoLED
DUALdrive 560/A

66.4 mm
2.61″

76 mm
2.99″

152.5 mm / 6.00″

30.1 mm / 1.19″

Connections

Connectors

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

Wiring

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

LEDcode configuration

- USB-LEDcode interface: TOOLbox pro (part number: TLU20502)

- FluxTool software: for Mac and PC freely downloadable from
  www.eldoled.com/fluxtool

Other information

Certifications

- CE
- IEC 61347, IEC 62384, EN 55015, EN 55022, IEC 61000-3-2,
  IEC 61547, IEC 62386-101/102/207
- UL: Recognized Component for US and Canada (file no. E333135),
  according to UL1310 and UL8750. US: Class 2 output. Canada:
  Non-Class 2 output. (DUALdrive 560/M pending.)
- ENEC: pending

CE c**UL**us *LEDcode* DALI

Environmental ratings

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

Control compatibility

- DALI control gear

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.