eldoLED
your product | our drive

Light is our passion

50W Dimmable DALI LED Driver

SOLOdrive 560 is a DALI compatible, constant current LED driver with two LED outputs that are controlled as a single ballast. Dimming is beautiful - smooth all the way down to 0. SOLOdrive is programmable to suit a wide application area. Its two LED outputs offer the possibility of driving a very high power 50W LED array connected to a single output, or driving two strings of 15 LEDs at 350mA. LEDcode allows easy extension of the SOLOdrive's feature set with time, motion and brightness based intelligence.

Applications

- Office lighting
- Next-generation 'T5' luminaires
- Architectural lighting

- Hospitality lighting
- Low Bay lighting
- Signage / advertising lighting

- Retail lighting
- Public area / park / street lighting
- Display lighting

Features & benefits

Input
- Voltage: 120 - 277 VAC
- Current, max: 0.7A
- Frequency: 50/60Hz

SOLOdrive 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

SOLOdrive 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

SOLOdrive 560/A

Product offering

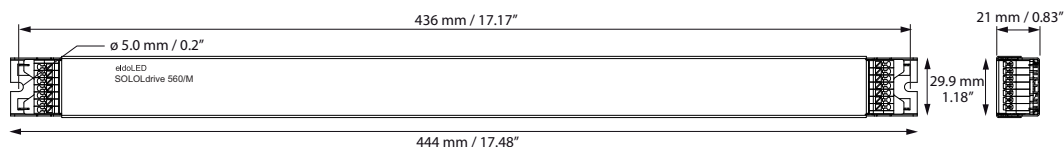| Description	Product	Order no.
SOLOdrive AC, 50W, DALI, 1 ballast, constant current, 2x 60V LED outputs, long metal	SOLO 560/M	SL0560M1
SOLOdrive AC, 50W, DALI, 1 ballast, constant current, 2x 60V LED outputs, square metal	SOLO 560/S	SL0560S1
SOLOdrive AC, 50W, DALI, 1 ballast, constant current, 2x 60V LED outputs, square metal/plastic	SOLO 560/A	SL0560A1

Dimensions, weight, packaging

SOLOdrive 560/M

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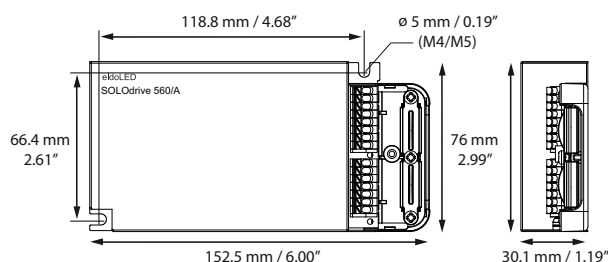- Packaging:
  8 or 28 pcs/carton

436 mm / 17.17″
ø 5.0 mm / 0.2″
eldoLED
SOLOLdrive 560/M
21 mm / 0.83″
29.9 mm
1.18″
444 mm / 17.48″

SOLOdrive 560/S

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

118.8 mm / 4.68″
ø 5 mm / 0.19″
(M4/M5)
eldoLED
SOLOdrive 560/S
66.4 mm
2.61″
76 mm
2.99″
130 mm / 5.12″
30 mm / 1.18″
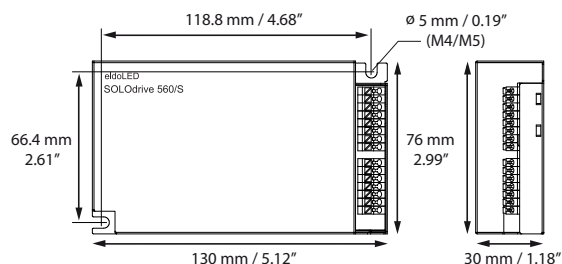
SOLOdrive 560/A

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

118.8 mm / 4.68″
ø 5 mm / 0.19″
(M4/M5)
eldoLED
SOLOdrive 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: TLU20503)
- FluxTool software: for Mac and PC freely downloadable from www.eldoled.com/fluxtool

Other information

Certifications

- IEC 61347, IEC 62384, EN 55015, EN 55022,
  IEC 61000-3-2, IEC 61547, IEC 62386-207
- CE
- ENEC by VDE (560/S) or DEKRA (560/M). 560/A is pending.
- UL: Recognized Component for US and Canada (file no. E333135), according to UL1310 and UL8750. US: Class 2 output. Canada: Non-Class 2 output.
- EL: IEC 61437-2-7 (560/M). 560/S and 560/A are pending.

Environmental ratings

- Ta range: -20 °C...+50 °C / -4 °F...+122 °F
- Tc max: 85 °C / 185 °F (560/M); 72 °C / 162 °F (560/S and 560/A)
- For use in damp and dry locations

Control compatibility

- DALI control gear

CE | ⟲10 | DVE | ⟲05 | KEMA KEUR | c ⓊⓁ us | EL | LEDcode | DALI

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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.