



50W DALI Dimmable LED Driver With Auxiliary Power Output

SOLOdrive 565 is a DALI dimmable, constant current LED driver for high-power 50W LED arrays, featuring an auxiliary power output for a 12V fan or cooling device. Dimming is beautiful - smooth all the way down to 0. SOLOdrive is programmable to suit a wide application area and LEDcode allows easy extension of the SOLOdrive's feature set with time, motion and brightness based intelligence.

Applications

- Office lighting
- Hospitality lighting
- Retail lighting
- Architectural lighting
- Low Bay lighting

Features & benefits

Input

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

LED output

- Single Class 2 LED output
- Voltage: 55V typ
- Current range: settable from 200mA to 1,050mA
- Power: 50W max

Auxiliary output

- Voltage: 12V
- Current: 167mA average, 200mA max
- Power: 2W

General

- Power factor: > 0.9 at full load
- DALI compatible (IEC 62386-101/102/207)
- 12V auxiliary output delivering 2W. For a list of tested parts, please visit www.eldoled.com/compatibility
- 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

Product offering

Description	Product	Order no.
SOLOdrive AC, 50W, DALI, aux output, 1 control channel, const current, 60V LED output, square metal	SOLO 565/S	SL0565S1
SOLOdrive AC, 50W, DALI, aux output, 1 control channel, const current, 60V LED output, square metal/plastic	SOLO 565/A	SL0565A1



SOLOdrive 565/S

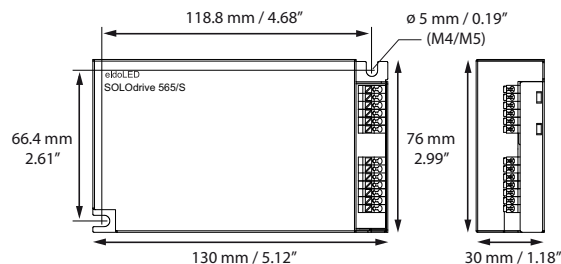


SOLOdrive 565/A

Dimensions, weight, packaging

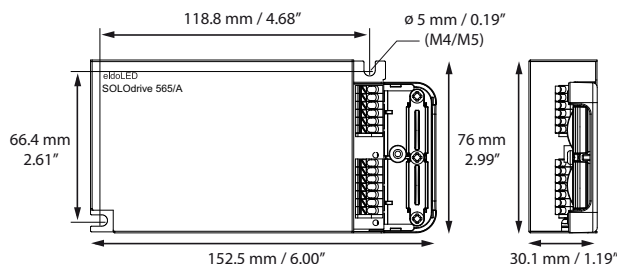
SOLOdrive 565/S

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



SOLOdrive 565/A

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



Connections

Connectors

- LED output: + and -
- Auxiliary output: + and -
- 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

- CE
- IEC 61347-1, IEC 61347-2-13, IEC 62384, EN 55015, IEC 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.
- ENEC by DEKRA
- EL: IEC 61437-2-7

Environmental ratings

- Ta range: -20 °C...+50 °C / -4 °F...+122 °F
- Tc max: 72 °C / 162 °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.