



### 50W 0-10V Dimmable LED Driver

SOLOdrive 561 is a 0-10V dimmable, constant current LED driver. Dimming is beautiful - smooth all the way down to zero. It lets you drive a very high power 50W LED array connected to a single output, or two strings of 15 LEDs at 350mA. 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
- 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: AC 120-277V  
DC 120-250V
- Current, max: 0.7A
- Frequency: 50/60Hz



SOLOdrive 561/M

#### Output

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



SOLOdrive 561/S

#### General

- Power factor: > 0.9 at full load
- 0-10V compatible (IEC 60929 Annex E).  
SOLOdrive 561 is a current source driver, compatible with both current sink and current source controllers. For a list of compatible 0-10V dimmers, please visit [www.eldoled.com/compatibility](http://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



SOLOdrive 561/A

### Product offering

#### Description

- SOLOdrive AC, 50W, 0-10V, 1 control channel, constant current, 2x 60V LED outputs, long metal
- SOLOdrive AC, 50W, 0-10V, 1 control channel, constant current, 2x 60V LED outputs, square metal
- SOLOdrive AC, 50W, 0-10V, 1 control channel, constant current, 2x 60V LED outputs, square metal/plastic

#### Product

- SOLO 561/M
- SOLO 561/S
- SOLO 561/A

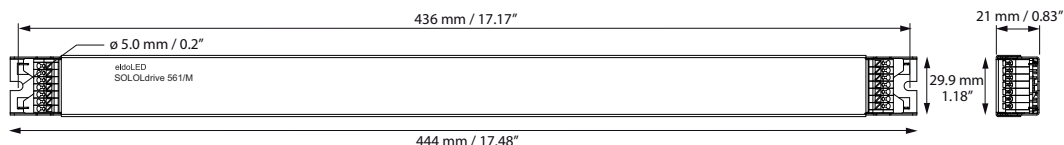
#### Order no.

- SL0561M2
- SL0561S2
- SL0561A2

**Dimensions, weight, packaging**

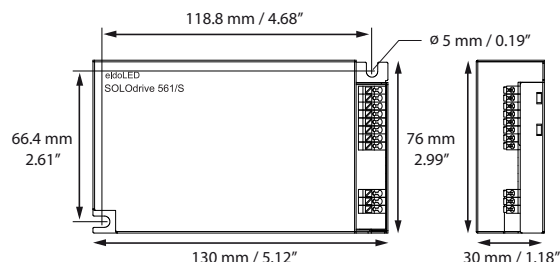
**SOLOdrive 561/M**

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



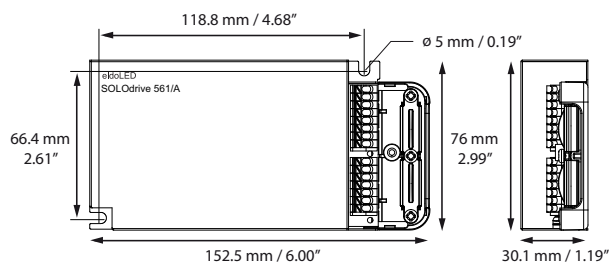
**SOLOdrive 561/S**

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



**SOLOdrive 561/A**

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



**Connections**

**Connectors**

- LED outputs: + and - (x2)
- LEDcode / NTC: + and -
- 0-10V: + and - (x2)
- Power: Line, Neutral and Ground

**Wiring**

- Cross section: 0.5 - 1.5 mm<sup>2</sup>, 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](http://www.eldoled.com/fluxtool)

**Other information**

**Certifications**

- EN 61347-1 / -2-7 / -2-13, EN 62384, EN 55015, EN 55022, EN 61000-3-2, EN 61547, EN 60929 Annex E
- CE
- ENEC by DEKRA
- UL: Recognized Component (E333135), according to UL1310 and UL8750. US: Class 2 output. Canada: Non-Class 2 output.
- EL: IEC 61437-2-7

**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**

- Standard 0-10V wall mount dimmers and switch controls



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**Other documentation and support**

Visit [www.eldoled.com/ACsupport](http://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](http://www.eldoled.com/terms).