



### 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 0. 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. 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: 120-277VAC
- Current, max: 0.7A
- Frequency: 50/60Hz
- 0-10V dimmer input



SOLOdrive 561/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 561/S

#### General

- Power factor: > 0.9
- 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)  
Note that the driver's 0-10V interface is not insulated from the LED outputs, meaning the insulation class (basic or double) of the dimmer will determine the final insulation class of the LED outputs. If the 0-10V dimming signal is only basic insulated, LED outputs are considered ELV (not SELV).
- 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

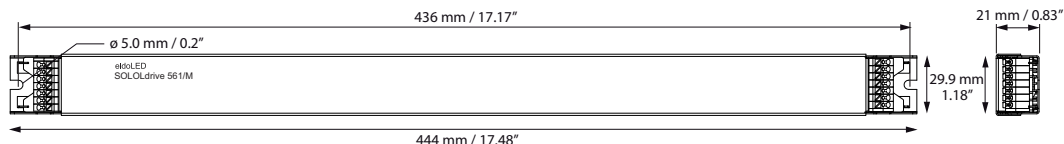
#### Description

Description	Product	Order no.
SOLOdrive AC, 50W, 0-10V, 1 control channel, constant current, 2x 60V LED outputs, long metal	SOLO 561/M	SL0561M1
SOLOdrive AC, 50W, 0-10V, 1 control channel, constant current, 2x 60V LED outputs, square metal	SOLO 561/S	SL0561S1
SOLOdrive AC, 50W, 0-10V, 1 control channel, constant current, 2x 60V LED outputs, square metal/plastic	SOLO 561/A	SL0561A1

**Dimensions, weight, packaging**

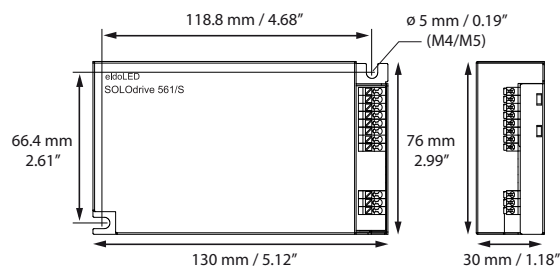
**SOLOdrive 561/M**

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



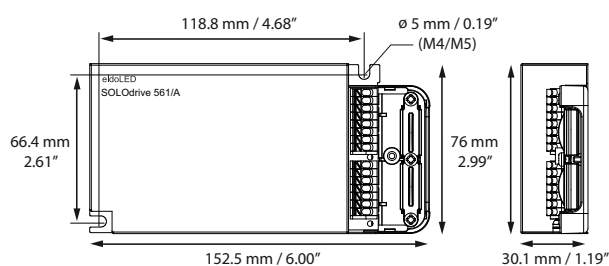
**SOLOdrive 561/S**

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



**SOLOdrive 561/A**

- Weight: 372 g, 13.12 oz
- Packaging: 6, 10 or 45 pcs/carton



**Connections**

**Connectors**

- LED outputs: + and - (x2)
- LEDcode / NTC: + and -
- 0-10V: + and -
- 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: TLU20502)
- FluxTool software: for Mac and PC freely downloadable from [www.eldoled.com/fluxtool](http://www.eldoled.com/fluxtool)

**Other information**

**Certifications**

- CE
- IEC 61347, IEC 62384, EN 55015, EN 55022, IEC 61000-3-2, IEC 61547, IEC 60929 Annex E
- UL: Recognized Component for US and Canada (file no. E333135), according to UL1310 and UL8750. US: Class 2 output. Canada: Non-Class 2 output. (SOLOdrive 561/M pending)

**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**

- 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).