

**Colour  
is our nature**

### 50W Full-Colour Dimmable LED Driver

POWERdrive 562/S and 562/A are constant current, three LED output, DMX/RDM compatible LED drivers. Targeted at a wide range of full-colour, dynamic LED lighting applications, POWERdrive's dynamic response can be tuned to fit any content - from exceptionally smooth fades in architecture to fast-paced video in entertainment. POWERdrive - Beyond Colour.

#### Applications

- Entertainment lighting
- Stage lighting
- Full-colour architectural lighting
- Signage / advertising lighting
- Façade lighting
- Retail display lighting
- Full-colour / tunable white applications
- Decorative lighting

#### Features & benefits

##### Input

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

##### Output

- Voltage: 55V typ
- Current range: settable from 200mA to 1,050mA for each LED output separately
- Power: 50W max

##### General

- Power factor: > 0.9
- DMX / RDM and LedSync compatible
- Hybrid HydraDrive: efficient, smooth and flicker-free dimming
- Full dimming control: 100% to 0%, choice of linear or logarithmic dimming curve
- High efficiency 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)
- LEDcode/NTC interface for robust thermal management
- Programmable with TOOLbox pro and FluxTool software via DMX/LedSync



POWERdrive 562/S



POWERdrive 562/A

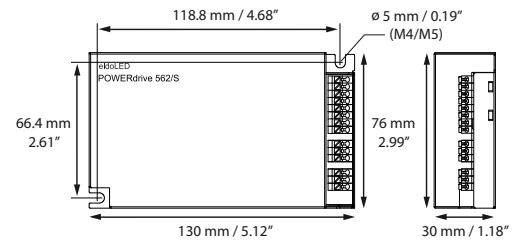
#### Product offering

Description	Product	Order no.
POWERdrive AC, 50W, DMX, 3 control channels, constant current, 3x 60V LED outputs, square metal	POWER 562/S	PW0562S1
POWERdrive AC, 50W, DMX, 3 control channels, constant current, 3x 60V LED outputs, square metal/plastic	POWER 562/A	PW0562A1

**Dimensions, weight, packaging**

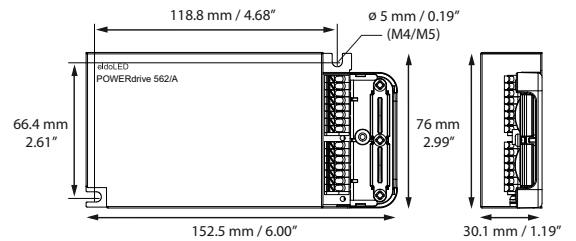
**POWERdrive 562/S**

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



**POWERdrive 562/A**

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



**Connections**

**Connectors**

- LED outputs: + and - (x4)
- LEDcode: + and -
- DMX in: +, - and shield
- 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.

**DMX/LedSync configuration**

- FluxTool software: for Mac and PC, freely downloadable from [www.eldoled.com/fluxtool](http://www.eldoled.com/fluxtool)
- USB-DMX interface: TOOLbox pro (part number: TLU20502)

**Other information**

**Certifications**

- CE
- IEC 61347, IEC 62384, EN 55015, EN 55022, IEC 61000-3-2, IEC 61547
- UL: pending
- ENEC by VDE



**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**

- DMX512A and RDM explore & address (ANSI E1.20) control gear

**Europe, Rest of World**

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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).