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Datasheet SOLOdrive 361/B, 361/S — AC Series

30W 0-10V Dimmable LED Driver

SOLOdrive 361 is a 0-10V dimmable, constant current LED driver with a single LED output. It is targeted at larger networked and smaller stand-alone installations that require dimmable, high-power, general white LED lighting. Dimming is beautiful - smooth all the way down to zero. SOLOdrive is programmable over LEDcode to suit a wide application area. LEDcode also allows easy extension of the SOLOdrive's feature set with time, motion and brightness based intelligence.

Applications

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

Features & benefits

Input
- Voltage: AC 120-277V
  DC 120-250V
- Current, max: 0.35A
- Frequency: 50/60Hz

SOLOdrive 361/B

SOLOdrive 361/S

Output
- Voltage: 55V max
- Current range: settable from 200mA to 1,050mA
- Power: 30W max

General
- Power factor: > 0.90 at full load
- 0-10V compatible (IEC 60929 Annex E). SOLOdrive 361/B and 361/S are current source drivers, compatible with both sink and current source controllers.
  For a list of compatible 0-10V dimmers, please visit www.eldoled.com/compatibility.
- Hybrid HydraDrive: efficient, smooth and flicker-free dimming
- Full dimming control: 100%-0%, choice of linear or logarithmic dimming curve
- High efficiency over a wide power and voltage range: 86% at full load, ≥ 85% above 20W output
- 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, 30W, 0-10V, constant current, 1x 55V LED output, bottom feed, metal square	SOLO 361/B	SL0361B1
SOLOdrive, 30W, 0-10V, constant current, 1x 55V LED output, side feed, metal square	SOLO 361/S	SL0361S1

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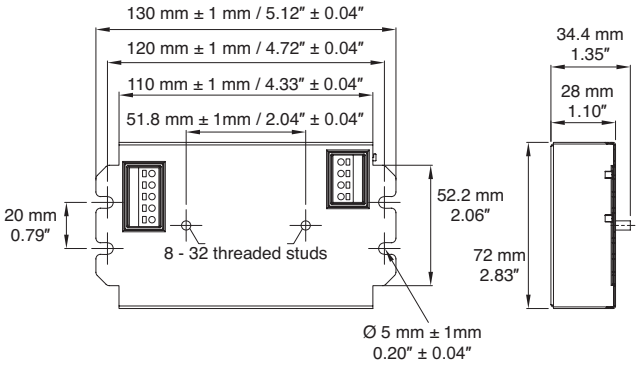
Dimensions, weight and packaging

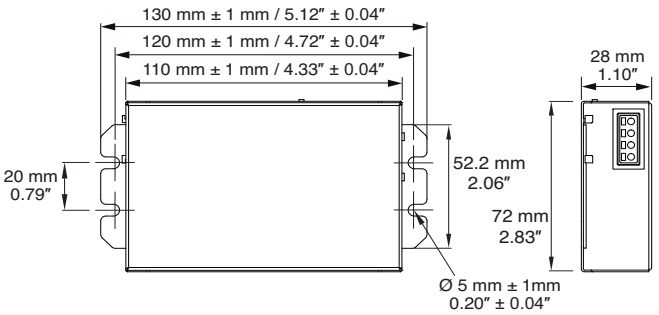
SOLOdrive 361/B

- Weight: 285.5 g, 10.07 oz
- Packaging: 40pcs/carton



SOLOdrive 361/S

- Weight: 285.5 g, 10.07 oz
- Packaging: 40pcs/carton



Connections

Connectors

- Primary side Power: Line, Neutral and Ground
  0-10V: + and -
- Secondary side LED output: + and -
  LEDcode/NTC: + and -

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

- CE
- EN 61347-1 / -2-7 / -2-13, EN 62384, EN 55015, EN 55022, EN 61000-3-2, EN 61547, EN 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.
- ENEC by DEKRA
- EL

Environmental ratings

- Ta range: -20 °C to +50 °C / -4 °F to +122 °F
- Tc max: +80 °C / +176 °F
- Tc lifetime: +75 °C / +167 °F
- For use in damp and dry locations

Control compatibility

- Standard 0-10V dimmers, switches and dimming control systems

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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.

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