

Electrical Specifications

Input

- Voltage: AC 120-250V, 50-60Hz; UL approved: 120-277V, 50-60Hz
DC 120-250V
- Current, max: 0.35A
- 0-10V current draw: max 2mA (SOLOdrive 361)

Output

- Power: 30W max
- Voltage: 55V max
- Current range: 200 - 1,050 mA settable in 1mA steps
- Current: +/- 5% accuracy

General

- Standby power: < 0.5W
- Inrush current: negligible, 30mA²s @ 277V
- Surge protection: 1kV differential mode surge, 2kV common mode surge
- Efficiency: 86% at full load, ≥ 85% above 67% load
- Power factor: > 0.9
- THD: <20% between 67% and 100% load



SOLOdrive 360/B



SOLOdrive 361/S



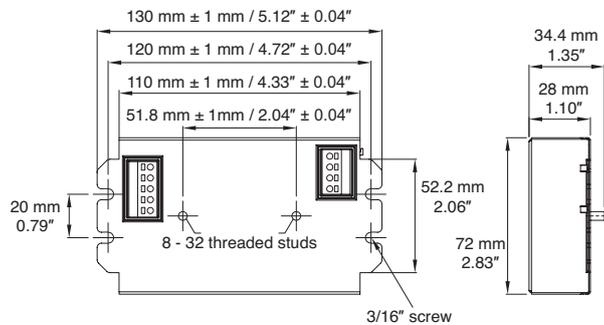
SOLOdrive 360/A

Dimensions and weight

SOLOdrive 36*/B

Weight: 285.5 g, 10.07 oz

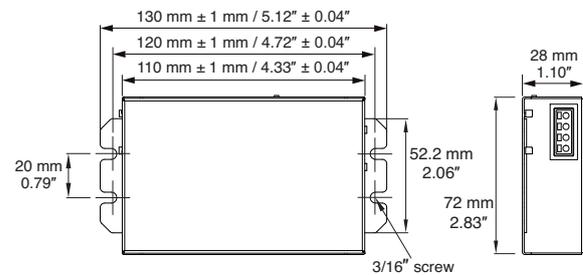
Packaging: 40pcs/carton



SOLOdrive 36*/S

Weight: 285.5 g, 10.07 oz

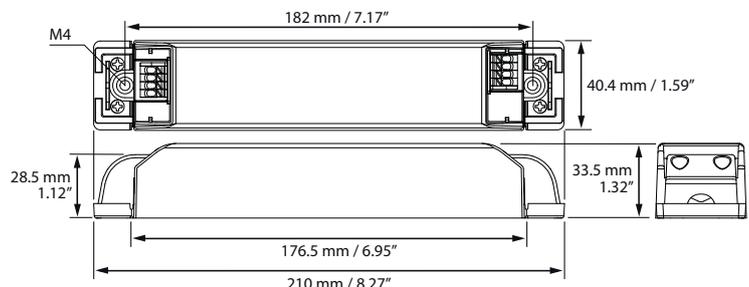
Packaging: 40pcs/carton



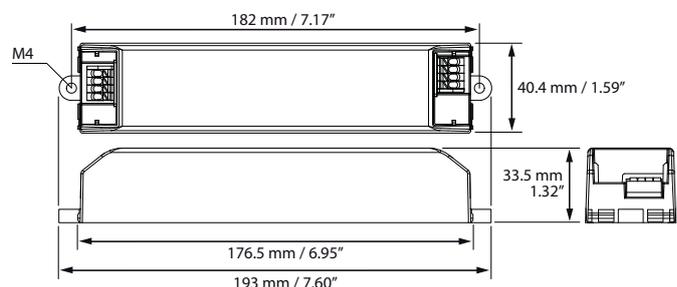
SOLOdrive 36*/A, independent

Weight: 225 g, 7.94 oz

Packaging: 40pcs/carton



When modified into a non-independent driver by removing driver ends and caps, the driver weighs 212 g / 7.48 oz



Wiring data

- Wire type: solid or stranded copper
- Wire strip length: 9mm, 0.35 in.
- Wire core cross section: 0.5 - 1.5 mm², AWG 20 - 16

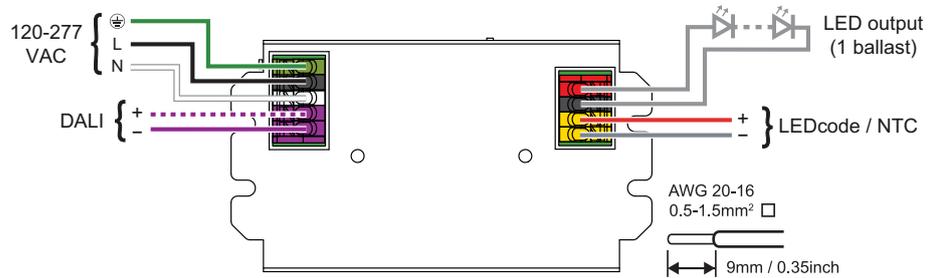
- Maximum LED wiring length:

AWG value	20	19	18	17	16
Distance (m)	14	18	22	28	36
Distance (ft)	46	59	72	92	118

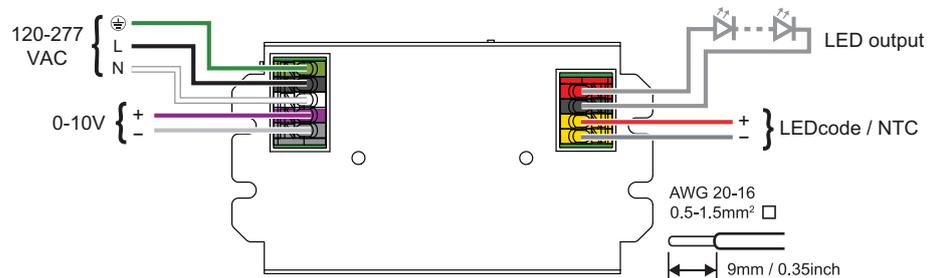
Please observe voltage drop over longer cable lengths, and note that longer cable lengths increase EMI susceptibility.

-  **WARNING:** Risk of electrical shock. May result in serious injury or death. Disconnect power before servicing or installing.
-  **CAUTION:** The device may only be connected and installed by a qualified electrician. All applicable regulations, legislation and building codes must be observed. Incorrect installation of the device can cause irreparable damage to the device and the connected LEDs.
-  **CAUTION:** Pay attention when connecting the LED groups: polarity reversal results in no light output and often damages the LEDs.

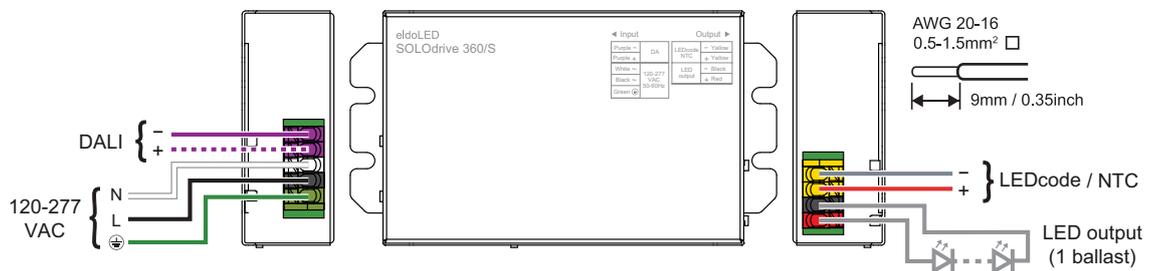
SOLOdrive 360/B



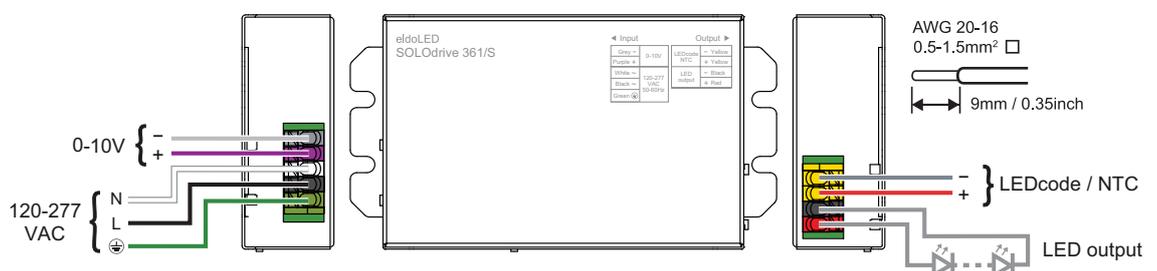
SOLOdrive 361/B



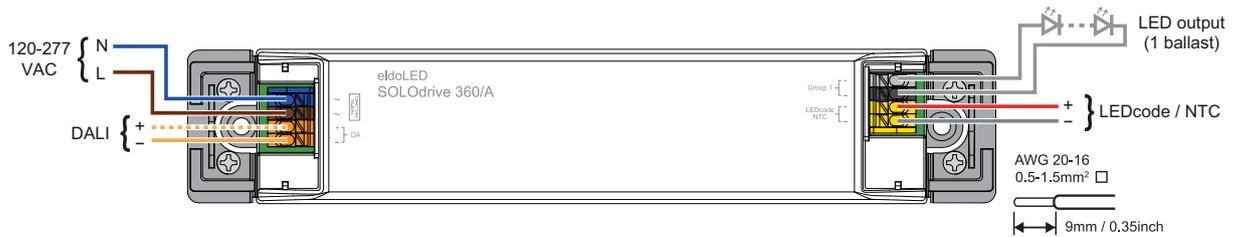
SOLOdrive 360/S



SOLOdrive 361/S

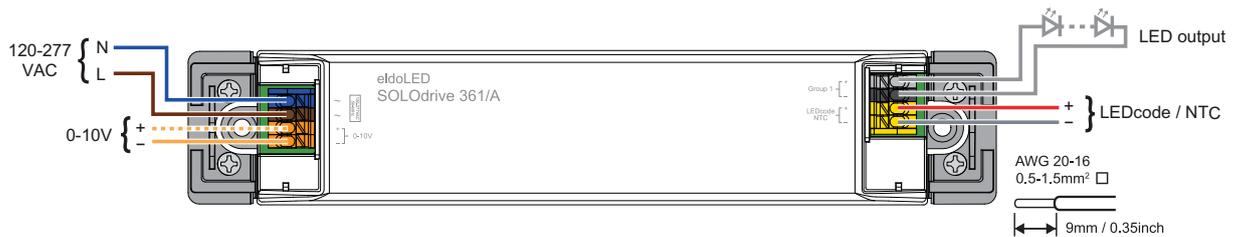


SOLOdrive 360/A



i When SOLOdrive 360/A is used as an independent LED driver, its mains cable's outer diameter must be between 6-10mm / 0.24-0.39in to have a proper retention with the end cap.

SOLOdrive 361/A



i When SOLOdrive 361/A is used as an independent LED driver, its L/N cable's outer diameter must be between 6-10mm / 0.24-0.39in to have a proper retention with the end cap..

Other information

Thermal

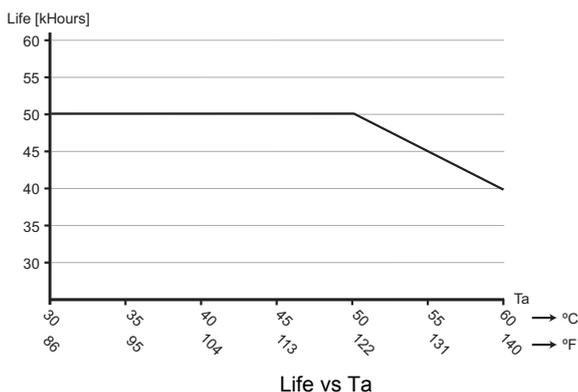
- Ta range: -20 °C to +50 °C / -4 °F to +122 °F
- Tc max: 85 °C / 185 °F (SOLOdrive 360/A and 361/A)
80 °C / 176 °F (SOLOdrive 360/B, 361/B, 360/S and 361/S)
- Tc lifetime: 80 °C / 176 °F (SOLOdrive 360/A and 361/A)
75 °C / 167 °F (SOLOdrive 360/B, 361/B, 360/S, 361/S)
- LED temperature feedback using 47kΩ NTC thermistor.
Recommended thermistors by Vishay:
 - NTCS0805E4473JXT (SMD version)
 - 238164063473 (leaded version)
 - NTCASCWE3473J (screw version)

Certifications

- SOLOdrive 360: EN 61347-1 / -2-7 / -2-13, EN 62384, EN 55015, EN 55022, EN 61000-3-2, EN 61547, EN 62386-101 / 102 / 207
- SOLOdrive 361: 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 (file no E333135), according to UL1310, UL8750. US: Class 2 output. Canada: Non-Class 2 output.
- FCC: Title 47CFR Part 15 Class B



Lifetime data



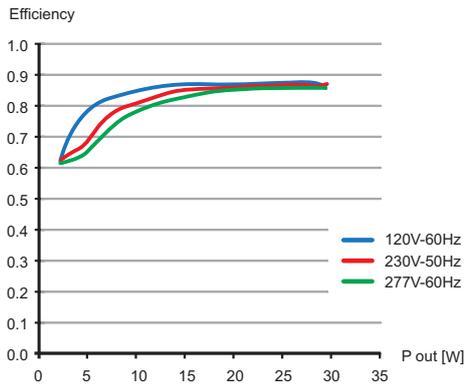
- Life expectancy of 50K hours at Ta of lower or equal to 50 °C / 122 °F
- MTBF: 480,000 hours

All measurements have been carried out at maximum load in free air without heat sink.

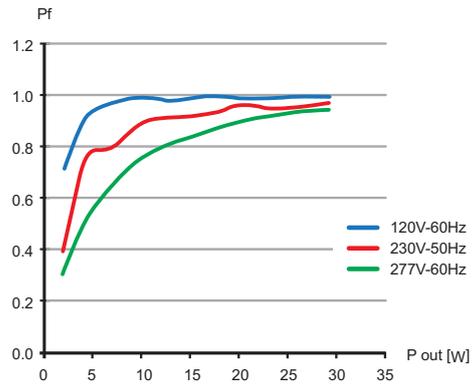
All lifetime-related figures are the result of simulations. Actual lifetime tests are ongoing.

The following efficiency, power factor and THD diagrams are the result of measurements of SOLOdrives that were stressed up to a 30W load.

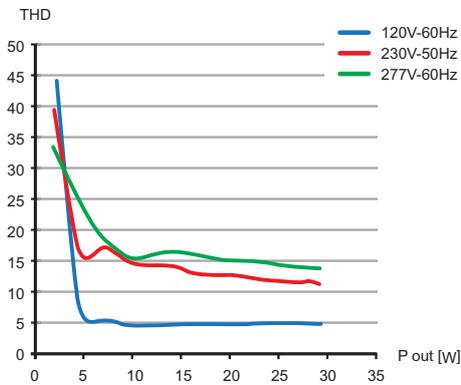
Efficiency data



Power factor data



Total Harmonic Distortion data



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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.

Sales support US/Canada: nasales@eldoled.com
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