eldoLED
your product | *our drive*

Datasheet
SOLOdrive 50W

50W 0-10V 'Dim to Dark' LED Drivers

Input characteristics

Input voltage AC	120-250V (ENEC approved) 120-277V (UL approved)
Input voltage DC	120-250V
Input current	0.7A max
Input frequency	50-60Hz
Efficiency @ full load	89%
Efficiency @ 2/3 load	≥85%
Power factor @ full load	>0.9C
THD @ full load	<20%
Inrush current	negligible: 30mA²s @ 277V
Surge protection	1kV DM, 2kV CM
Standby power	<0.5W

Output characteristics

LED output power	50W max
LED output current range	200-1,050mA (settable per output)
LED output current resolution	programmable in 1mA steps
LED output current tolerance	+/- 5%
LED outputs	2 (UL Class 2)
LED output voltage range	2-55V

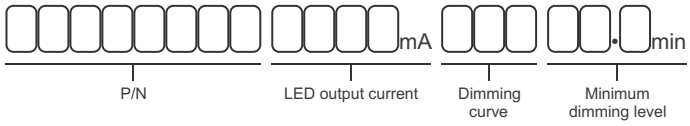
Control characteristics

Control channels	1
Dimming protocol	0-10V
Dimming range	100%-0%
Dimming method	Hybrid HydraDrive
Dimming curve	linear, logarithmic
Driver configuration	with TOOLbox pro and FluxTool software
0-10V isolation	to line voltage input: 1500V to LED output: 3750V
0-10V current draw	<2mA

Product offering

SOLOdrive 561/M **P/N: SL0561M2**
SOLOdrive AC, 50W, 0-10V, 1 control channel, constant current, 2x 55V outputs, long metal

Order number configuration



P/N: for LED driver part number, see 'Product offering' above.

LED output current: in 1mA steps, e.g. "0258", "1011", etc.

Dimming curve: enter "LOG" for logarithmic, "LIN" for linear dimming curve.

Minimum dimming level: write to one decimal place, e.g. "05.0" for 5%, "07.5" for 7.5%, "10.1" for 10.1%, etc. Leave blank if default minimum dimming level (0.1%) is required.

Protection

LED output short	yes
LED output cross short	yes
Overload	yes
Reverse polarity	yes, for LED output
Restart after protection	yes

© 2016 eldoLED. All rights reserved. V4.4 All content contained herein is subject to change without prior notice.
More product documentation and eldoLED's warranty and terms and conditions are available at www.eldoLED.com.

AcuityBrands.

eldoLED
your product | *our drive*

Datasheet
SOLOdrive 50W

Dimensions, weight and packaging

SOLOdrive 561/M	
LxWxH	444x29.9x21mm
Weight	360 g
Items per carton	8 or 28 pcs

Standards and certifications

Standards compliance	
EN	61347-1/-2-13, 62384, 55015, 55022, 61000-3-2, 61547
UL	UL 1310, UL 8750 (Class 2 output)
FCC	47 CFR Part 15 class B
RoHS2	

Certifications

E333135

Wiring Specifications

Wire type	AWG 20-16, 0.5-1.5mm² solid or stranded copper
Wire strip length	9mm

Wiring diagrams

SOLOdrive 561/M

Thermal protection

External NTC thermistor	throttling @ 70 °C (settable)
External thermistor value	47kΩ
Recommended thermistors	238164063473 (leaded) NTCASCWE3473J (screw)

Thermal specification

Ta operating range	-20 ºC ... +50 ºC
Tc max	85 ºC
Tc lifetime	78 ºC
Lifetime @ Tc lifetime	50,000 hours

Warranty

Warranty period	3 years

Europe, Rest of World eldoLED B.V. Science Park Eindhoven 5125 5692 ED Son The Netherlands E: sales@eldoLED.com
North America eldoLED America One Lithonia Way Conyers, GA 30012 USA E: nasales@eldoLED.com