



Light
is our passion

100W DALI 'Dim to Dark' LED Drivers

Input characteristics

Input voltage AC	120-250V (ENEC approved) 120-277V (UL approved)
Input voltage DC	120-275V
Input current	1.05A max @ 120V/60Hz 0.5A max @ 230V/50Hz 0.45A max @ 277V/60Hz
Input frequency	50-60Hz
Efficiency @ full load	90%
Efficiency @ 1/2 load	≥87%
Power factor @ full load	>0.94
THD @ full load	<10%
Inrush current	35A 240μs @ 120V/60Hz 67A 240μs @ 230V/50Hz 75A 240μs @ 277V/60Hz
Surge protection	3kV (L to N), 4kV (L/N to GND)
Standby power	<0.5W

Output characteristics

LED output power	100W 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	4 (UL Class 2)
LED output voltage range	2-57V

Control characteristics

Control channels	1
Dimming protocol	DALI
Dimming range	100%-0%
Dimming method	Hybrid HydraDrive
Dimming curve	linear or logarithmic
Driver configuration	with TOOLbox pro and FluxTool

Product offering



SOLOdrive 1060/A

P/N: SL1060A1

SOLOdrive AC, 100W, DALI, 1 ballast, constant current, 4x 57V outputs, long metal/plastic

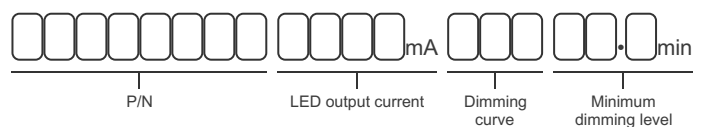


SOLOdrive 1060/S

P/N: SL1060S1

SOLOdrive AC, 100W, DALI, 1 ballast, constant current, 4x 57V outputs, square 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.

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.

Dimensions, weight and packaging

SOLOdrive 1060/A	
LxWxH	388x42x30mm
Weight	666 g
Items per carton	20 pcs

SOLOdrive 1060/S	
LxWxH	230x80x30mm
Weight	912.5 g
Items per carton	20 pcs

Standards and certifications

Standards compliance	
EN	61347-1/-2-13, 62384, 55015, 55022, 61000-3-2, 61547, 62386-101/-102/-207
UL, Recognized Component	UL 1310, UL 8750 (Class 2 output)
FCC	47 CFR Part 15 class B
RoHS	RoHS2

Wiring Specifications

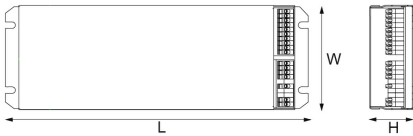
Wire type	AWG 20-16, 0.5-1.5mm² Solid or stranded copper
Wire strip length	9mm

Thermal protection

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

Warranty

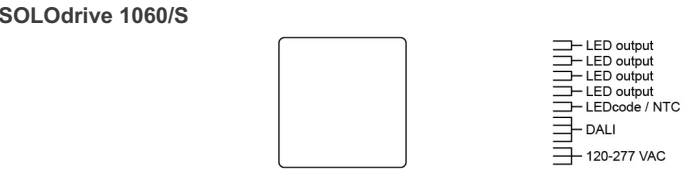
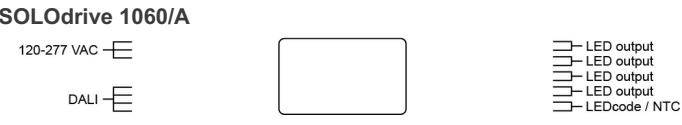
Warranty period	3 years
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Certifications



Wiring diagrams



Thermal specification

Ta operating range	-40 °C ... +50 °C
Tc max	1060/A: 90 °C 1060/S: 83 °C