



Light
is our passion

50W DALI 'Dim to Dark' LED Drivers Featuring AUX Output

Input characteristics

Input voltage AC	120-250V (ENEC) 120-277V (UL)
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	>0.9
THD @ full load	<20%
Inrush current	negligible: 30mA*s @ 277V
Surge protection	1kV DM, 2kV CM
Standby power	<0.5W

Output characteristics

LED output power	50W max
Programmable LED output current range	200-1,050mA
LED output current resolution	programmable in 1mA steps
LED output current tolerance	+/- 5% at programmed LED output current
LED outputs	1 (UL Class 2)
LED output voltage range	2-55V
AUX output	12V DC, 167mA max

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 software

Protection

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

Product offering



SOLOdrive 565/A

P/N: **SL0565A1**

SOLOdrive AC, 50W, DALI, 1 ballast, constant current, 1x 55V output, 12VDC aux output, square metal/plastic

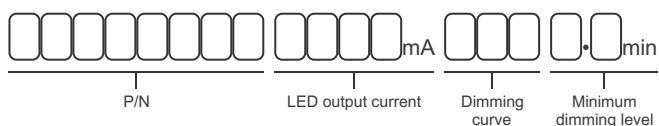


SOLOdrive 565/S

P/N: **SL0565S1**

SOLOdrive AC, 50W, DALI, 1 ballast, constant current, 1x 55V output, 12VDC aux output, 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.

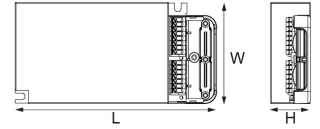
Dimming curve: enter "LOG" for a logarithmic, "LIN" for a linear dimming curve.

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.

Dimensions, weight and packaging

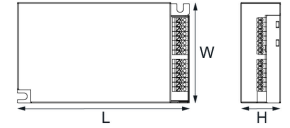
SOLOdrive 565/A

LxWxH	152.5x76x30.1mm / 6x2.99x1.19in
Weight	372 g / 13.12 oz
Items per carton	6 or 45 pcs



SOLOdrive 565/S

LxWxH	130x76x30mm / 5.12x2.99x1.18in
Weight	350 g / 12.35 oz
Items per carton	6, 10 or 45 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

Certifications

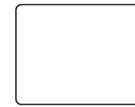


Wiring Specifications

Wire type	AWG 20-16, 0.5-1.5mm ² solid or stranded copper
Wire strip length	9mm / 0.35in

Wiring diagrams

SOLOdrive 565/A, 565/S



- LED output
- AUX output
- LEDcode / NTC
- DALI
- 120-277 VAC

Thermal protection

External NTC thermistor	throttling @ 70 °C / 158 °F (settable)
External thermistor value	47kΩ
Recommended thermistors	238164063473 (leaded) NTCASCWE3473J (screw)

Thermal specification

Ta operating range	-20 °C ... +50 °C / -4 °F ... +122 °F
Tc max	85 °C / 185 °F
Tc lifetime	78 °C / 172.4 °F

Warranty

Warranty period	3 years
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Maximum loading of automatic circuit breakers

Automatic circuit breaker type	B10	B13	B16	C10	C13	C16
Amount of LED drivers	14	18	22	14	18	22