

SOLOdrive offers industry-best Natural Dimming to 0% - LED dimming made beautiful! With any dimmer, in any application. Symbiosis ensures the LED driver works seamlessly together with LED modules, controls and intelligent luminaire elements.

Features

- Natural dimming, continuous to dark (Hybrid HydraDrive)
- Symbiosis: add value with sensing, connecting, protecting, tooling, communicating, sharing and lighting dynamics features
- Programmable to fit application
- Compatible with HD studio camera

Electrical specifications

Driver type	constant current
LED outputs	1 (UL Class 2)
LED output power	50W max
Programmable LED output current range	150-1,400mA
LED output current resolution	programmable in 1mA steps
LED output voltage range	1.5-55V
AUX output	15.5-25V, 18mA max
Standby power	<0.5W
Input voltage AC	120-250V (ENEC), 120-277V (UL)
Input voltage DC	120-250V
Input current	0.65A max
Inrush current	30mA's @ 277V
Surge protection	2kV DM, 2kV CM
Efficiency @ full load	86%
Efficiency @ 2/3 load	≥85%
Power factor @ full load	>0.9C
THD @ full load	<20%
Control protocol	DALI-2, LEDcode2
Control channels	1
Ta operating range	-20 °C ... +50 °C
Tc max	80 °C
Tc lifetime	80 °C
Lifetime @ Tc lifetime	50,000 hours
Warranty	3 years



SOLOdrive AC, 50W, DALI + aux, 1 control channel, constant current, single output, long metal

- LEDcode2: connects to integrated digital accessories, supports location-based IoT applications and enables wired and wireless lighting control through LEDcode peripheral devices
- Low inrush and THD, high power factor and efficiency
- Thermal foldback

Certifications & standards



EN 61347-1/-2-13, 62384, 55015, 55022, 61000-3-2, 61547, IEC 62386-101 Edition 2.0, IEC 62386-102 Edition 2.0, IEC 62386-207 Edition 1

UL 1310, UL 8750 (Class 2 output). Type TL LED driver.

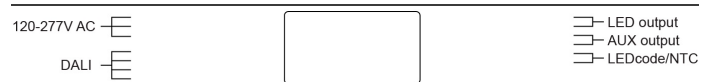
FCC 47 CFR Part 15 Class B

RoHS2

Dimensions, weight, packaging

LxWxH	444x29.9x21mm
Weight	359 g
Drivers per carton	28 pcs

Wiring



Project name:	Contact details:
Project number:	
LED driver order number:	

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Order number configuration

Figure 10 illustrates the I2C address and command format. It consists of four main sections:

- P/N (Part Number):** A sequence of eight bytes: S, L, 0, 5, 6, 5, U, 2.
- LED output current:** Three empty bytes followed by the unit 'mA'.
- Dimming curve:** Three empty bytes.
- Minimum dimming level:** Two empty bytes, a decimal point, and one empty byte followed by the unit 'min'.

LED output current: in 1mA steps

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.

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