

ECOdrive, a programmable digital LED driver, provides standard LED fixtures with the smoothest flicker-free dimming to 1%. It has a single configurable constant current LED output, making it simple to design in. Symbiosis ensures the LED driver works seamlessly together with LED modules, controls and intelligent luminaire elements.

Features

- Natural dimming to 1% (Hybrid HydraDrive)
- Symbiosis: add value with sensing, connecting, protecting, tooling, communicating, sharing and lighting dynamics features
- Programmable to fit application

Electrical specifications

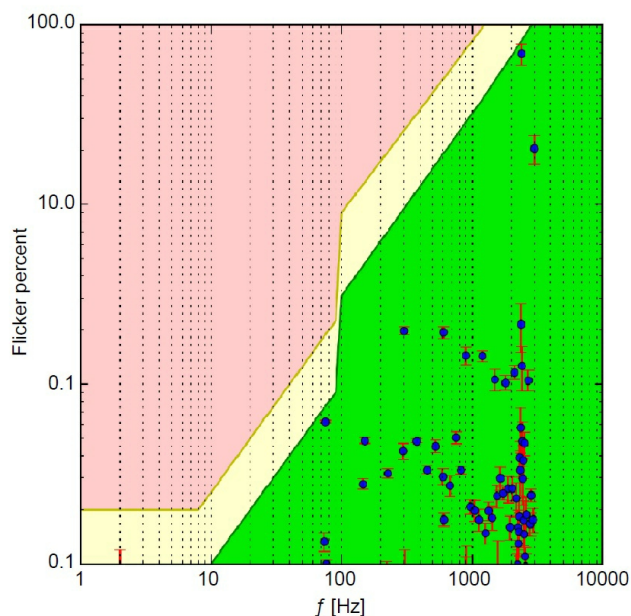
Driver type	constant current
LED outputs	1 (UL Class 2)
LED output power	30W max
LED output current range	150-1,400mA. Settable.
LED output current resolution	programmable in 25mA steps
LED output voltage range	2-55V
Standby power	<0.53W
AUX output	25.5V DC, 18mA max
Input voltage AC	120-277V (UL approved)
Input current	0.35A max
Inrush current	negligible: 30mA ² s @ 277V
Surge protection	2kV DM, 2kV CM
Efficiency @ full load	89%
Efficiency @ 2/3 load	≥85%
Power factor @ full load	>0.9
THD @ full load	<20%
Dimming protocol	0-10V
Control channels	1
Ta operating range	-20 °C ... +50 °C / -4 °F ... +122 °F
Tc max	75 °C / 167 °F
Tc lifetime	75 °C / 167 °F
Lifetime @ Tc lifetime	50k hours
Type TL	@1400 mA Tref 52 °C, max 83 °C
Warranty	3 years



ECOdrive AC, 30W, 0-10V+aux, constant current, 1x55V output, flying leads, long metal

- Low inrush and THD
- High power factor and efficiency
- Compatible with HD studio camera

IEEE P1789 flicker performance



Tested at 5% dimming level.

IEEE recommended regarding flicker in high-brightness LEDs.

- Green area: no-effect region
- Yellow area: low-risk region
- Red area: high-risk region

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

Europe, Rest of World
eldoLED B.V.
Science Park Eindhoven 5125
5692 ED Son
The Netherlands
sales@eldoled.com

North America
eldoLED America
One Lithonia Way
Conyers, GA 30012
USA
nasales@eldoled.com

Certifications & standards



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

FCC 47 CFR Part 15 Class A

RoHS2

Dimensions, weight, packaging

LxWxH 240x42x30mm / 9.45x1.65x1.18in

Weight 400 g, 14.1 oz

Drivers per carton 40 pcs

Wiring

120-277 VAC



— LEDcode / NTC
— LED output
— 0-10V / aux

Order number configuration

E	C	0	3	6	6	M	1					mA									min
P/N								LED output current					Dimming curve				Minimum dimming level				

LED output current: in 25mA steps, e.g. "0275", "1025" 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 (1%) is required.

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