

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

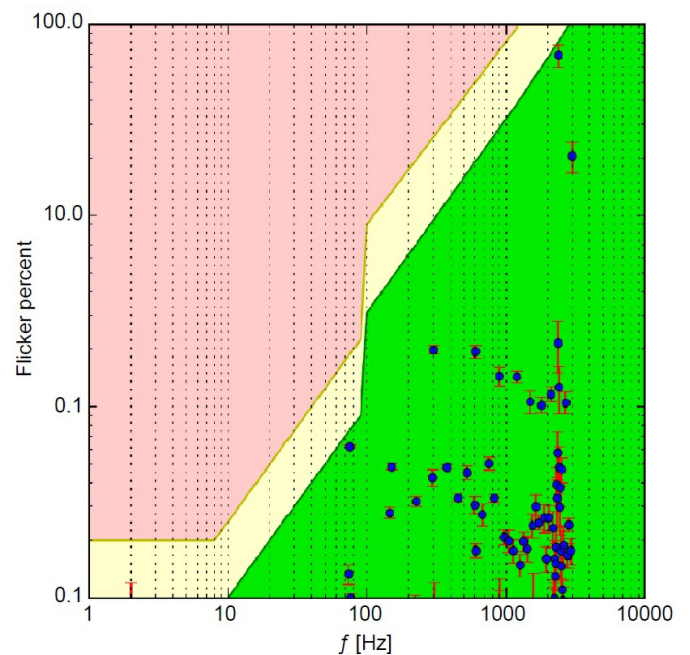
Driver type	constant current
LED outputs	1 (UL Class 2)
LED output power	30W max
LED output current range	150-1,050mA. Settable.
LED output current resolution	programmable in 25mA steps
LED output voltage range	2-55V
Standby power	<0.5W
Input voltage AC	120-250V (ENEC approved) 120-277V (UL approved)
Input voltage DC	120-250V
Input current	0.35A max
Inrush current	negligible: 30mA ² s @ 277V
Surge protection	2kV DM, 2kV CM
Efficiency @ full load	84%
Efficiency @ 2/3 load	≥82%
Power factor @ full load	>0.9
THD @ full load	<20%
Dimming protocol	DALI
Control channels	1
Ta operating range	-20 °C ... + 50 °C / -4 °F ... + 122 °F
Tc max	85 °C / 185 °F
Tc lifetime	80 °C / 176 °F
Lifetime @ Tc lifetime	50k hours
Warranty	3 years



ECOdrive AC, 30W, DALI, constant current, 1x 55V output, side feed, plastic long

- Independent driver
- 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

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Certifications & standards



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

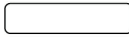
UL 1310, UL 8750 (Class 2 output).

Dimensions, weight, packaging

LxWxH	210x40.4x33.5mm / 8.27x1.59x1.32in
Weight	225 g, 7.94 oz
Drivers per carton	50 pcs

Wiring

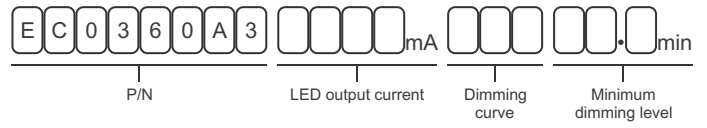
120-277 VAC —
DALI —



— LED output
— LEDcode / NTC

For independent and remote Max. cable length from LED driver to
usage LED load is 2 meter

Order number configuration



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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