

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

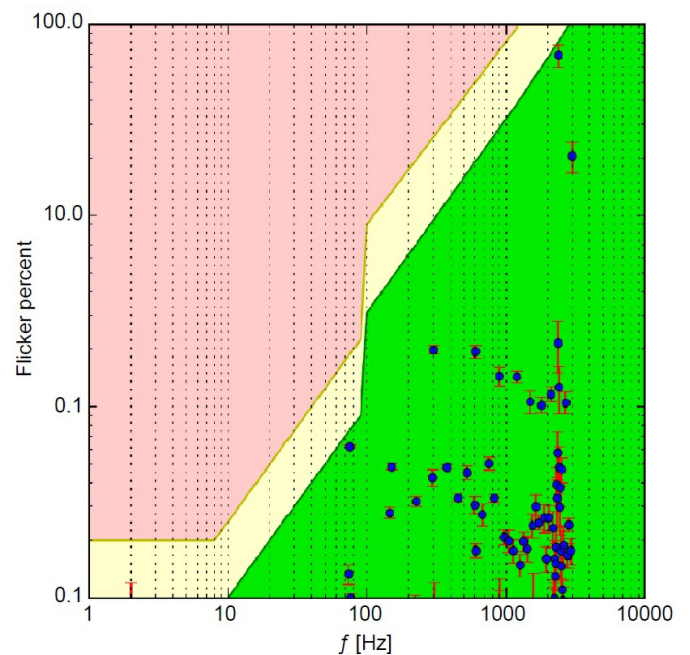
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|---------------------------------------|--|
| Driver type | constant current |
| LED outputs | 1 (UL Class 2) |
| LED output power | 30W max |
| Programmable LED output current range | 150-1,400mA |
| LED output current resolution | programmable in 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) |
| 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 | 50,000 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

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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

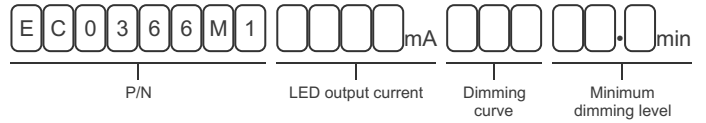
Wiring

120-277 VAC



LEDcode / NTC
 LED output
 0-10V / aux

Order number configuration



LED output current: in 25mA steps, e.g. "0275", "1025" etc.

Dimming curve: enter "LOG" for logarithmic, "LIN" for linear, "SLN" for soft-linear or "SQU" for square.

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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