ECOdrive

Programmable digital ECOdrive LED driver providing standard LED fixtures with the smoothest flicker-free dimming to 1% light output, delivering value to any application. The LED driver works seamlessly together with LED modules, controls and intelligent luminaire elements.

Product offering

ECOdrive 247/A

Part number (P/N)	EC0247A2
Product description	ECOdrive, 20W, LEDcode2, 1 control channel, constant current, 1x 40V output, side feed, long plastic

ECOdrive 247/A

Part number (P/N)	EC0247A2-SP
Product description	ECOdrive, 20W, LEDcode2, 1 control channel, constant current, 1x 40V output, side feed, long plastic, single unit packaging

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

AcuityBrands®

Features & benefits

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Natural dimming	Dim to 1%, smooth brightness changes, excellent flicker performance, adaptable dimming curves, configurable minimum dimming level
Symbiosis	Seamless interoperability with LED modules, controls and in-luminaire intelligent devices
LEDcode	LEDcode2 connects to integrated digital accessories, supports location-based IoT applications and enables wired and wireless lighting control through LEDcode peripheral devices
Programmable	Fine-tune your driver for any application
Performance	Low inrush current and total harmonic distortion (THD), high power factor and efficiency
Camera compatibility	Hybrid HydraDrive technology is proven to work in TV studios and security camera environments

Typical flicker performance

Typical flicker performance

Typical flicker percent as a function of frequency, measured across the dimming range. The results are overlaid with the low-risk (yellow) and no observable effect (green) levels as defined in IEEE P1789.
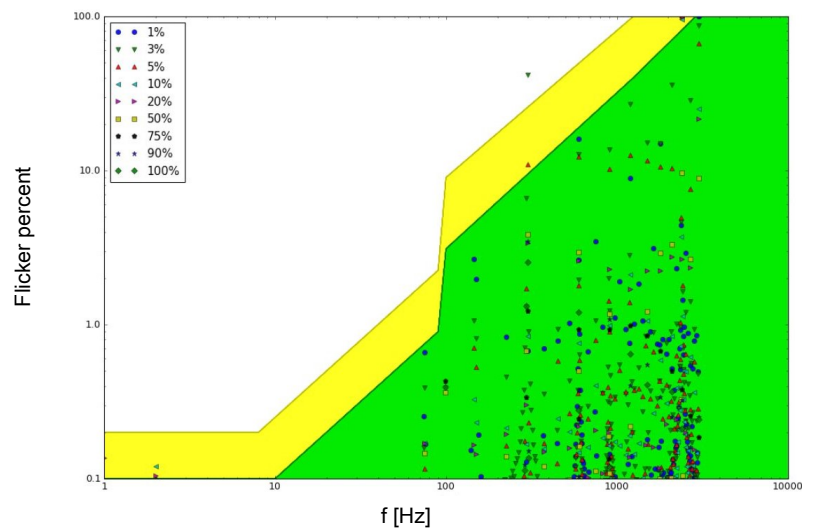
Electrical specifications

Driver type	constant current
Number of LED outputs	1
Maximum LED output power	20W
Programmable LED output current range	150 - 1,050mA
LED output type	Programmable in 1mA increments within specified current range
LED output voltage range	2 - 40V
Nominal input voltage range AC	220-240V (ENEC)
Control protocol	LEDcode2
Control channels	1

Certifications

CE

Warranty

Warranty period	General Terms and Conditions

Dimensions, weight, packaging

Length (L)	typical: 160 mm / 6.3 in
Width (W)	typical: 41.5 mm / 1.63 in
Height (H)	typical: 30.5 mm / 1.2 in
Weight	125 g
Products per box	50 pcs

Connector layout

L +			LED output +
N -			LED output -
NC			LEDcode/NTC +
NC			LEDcode/NTC -

Order number configurator
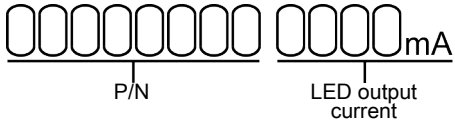
P/N	LED driver part number.
LED output current	Enter value in 1mA increments, e.g. "811" for 811mA

Europe, Rest of World

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