

10W 0-10V LED Driver with Smooth Dimming to 1%

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 is compatible with the 0-10V lighting control protocol, and works seamlessly together with LED modules, controls and intelligent luminaire elements.

Product offering



ECOdrive 161/B

Part number (P/N)	EC0161B3
Product description	ECOdrive, 10W, 0-10V, 1 control channel, constant current, 1x 55V output, bottom feed, metal square

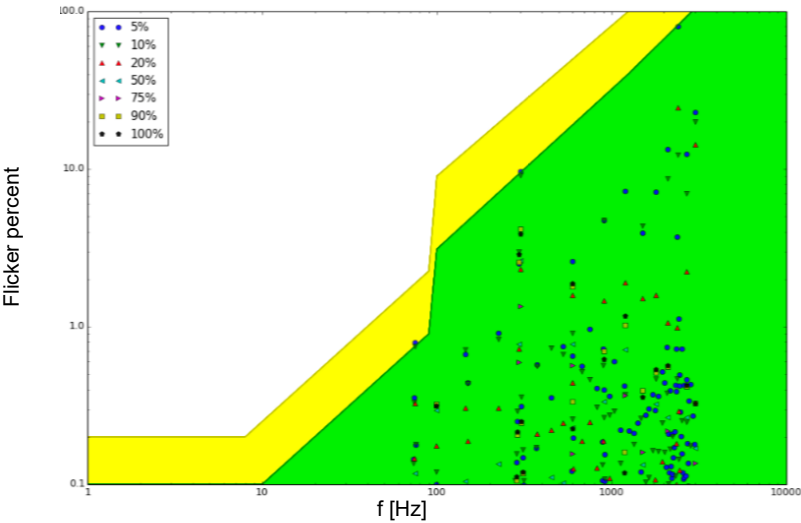
Features & benefits

Natural dimming	Dim to 1%, smooth brightness changes, excellent flicker performance, adaptable dimming curves, configurable minimum dimming level
LEDcode	Configurable design to work with most constant current LED modules and arrays, while providing a connection point to integrated peripheral controls.
Programmable	Fine-tune your driver for any application
Performance	Universal input voltage range, 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

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

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 (UL Class2)
Maximum LED output power	10W
Programmable LED output current range	150 - 1400mA
Maximum input current AC	0.1A @ 120V 0.05A @ 277V
LED output type	Programmable in 1mA increments within specified current range
LED output voltage range	2 - 55V
Nominal input voltage range AC	120 - 250V (ENEC), 120 - 277V (UL)
Nominal input voltage range DC	120 - 250V
Control protocol	0 - 10V LEDcode
Control Channels	1

Certifications



Warranty

Warranty period

General Terms and Conditions

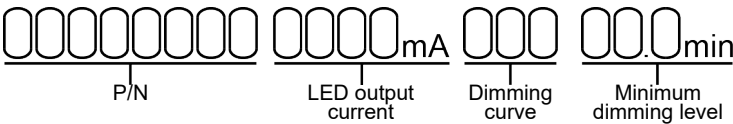
Dimensions, weight, packaging

Length (L)	500 mm / 19.7 in
Width (W)	310 mm / 12.2 in
Height (H)	190 mm / 7.5 in
Weight	11.1 kg
Products per box	40 pcs

Connector layout



Order number configurator



P/N	LED driver part number
LED output current	Enter value in 1mA increments, e.g. "811" for 811mA
Dimming curve	"LOG" for logarithmic (default) "LIN" for linear "SLN" for soft linear "SQU" for square
Minimum dimming level	Leave blank for default minimum dimming level of 1.0%. Specify in 0.1% increments, e.g. "10.5" for 10.5%.

Europe, Rest of World

eldoLED B.V.
Science Park Eindhoven 5125
5692 ED Son
The Netherlands

E: info@eldoled.com
W: www.eldoled.com

North America

eldoLED America
One Lithonia Way
Conyers, GA 30012
USA

E: info@eldoled.com
W: www.eldoled.com