

**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 DALI-2 lighting control protocol, and works seamlessly together with LED modules, controls and intelligent luminaire elements.

**Product offering**



**ECOdrive 50U-M1A0D**

Part number (P/N)	EC50U-M1A0D1
Product description	ECOdrive, 50W, DALI-2 + AUX, 1 control channel, constant current, 1x 55V output, side feed, long metal

**Features & benefits**

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	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:	

---

## Electrical specifications

Driver type	constant current
Number of LED outputs	1 (UL Class 2)
Maximum LED output power	50W
Programmable LED output current range	150 - 1400mA
LED output type	Programmable in 1mA increments within specified current range
LED output voltage range	2 - 55V
Auxiliary output	15.5 - 25V DC, 18mA max
Nominal input voltage range AC	120 - 277V (UL)
Control protocol	DALI-2 Device Type 6 LEDcode2
Control channels	1

---

## Certifications



---

## Warranty

Warranty period	<a href="#">General Terms and Conditions</a>
-----------------	--

---

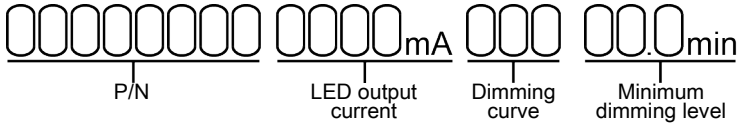
## Dimensions, weight, packaging

Length (L)	typical: 444 mm / 17.48 in
Width (W)	typical: 29.9 mm / 1.17 in
Height (H)	typical: 21 mm / 0.82 in
Weight	365 g

**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
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](mailto:info@eldoled.com)  
W: [www.eldoled.com](http://www.eldoled.com)

**North America**

eldoLED America  
One Lithonia Way  
Conyers, GA 30012  
USA

E: [info@eldoled.com](mailto:info@eldoled.com)  
W: [www.eldoled.com](http://www.eldoled.com)