Colour **is our nature**

4A DMX/RDM Full-Colour Dimmable LED Driver

LINEARdrive

LINEARdrive gives you infinite colour control for low-voltage LED applications ranging from single colour for accent and cove lighting all the way up to RGBW for full colour entertainment product solutions. This constant voltage LED driver is DMX/RDM compatible and allows you to create your colour or dynamic show without an external controller. Symbiosis ensures the LED driver works seamlessly together with LED modules, controls and intelligent luminaire elements.

Product offering

LINEARdrive 100/D

Part number (P/N)	LIN100D2
Product description	LINEARdrive DC, 100W, DMX/RDM, 4 control channels, constant voltage, 4x LED outputs, plastic long

Programming tools

Programming interface	TOOLbox pro (TLU20504)
Programming software	FluxTool

Warranty

Warranty period	General Terms and Conditions

Order number configurator

P/N

P/N	LED driver part number.

AcuityBrands.

Input characteristics

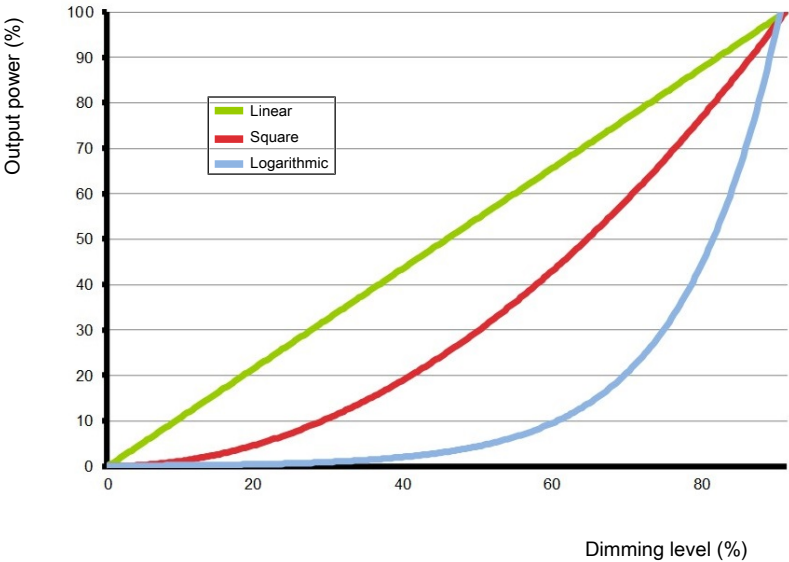|	
Nominal input voltage DC	12 - 28V
Maximum input current	4A @ 24V, 6A @ 12V

Output characteristics

LED output load	RGBW @ 12V: 1.5A RGB @ 12V: 2A RGBW @ 24V: 1A RGB @ 24V: 1.3A
Maximum LED output power	100W
Number of LED outputs	4 (UL Class 2)
LED output voltage	12 - 24V
Circuit protection	To prevent excessive output current from damaging the LED driver, it its highly recommended to use circuit protection appropriate for your application's nominal and inrush current requirements in combination with an OVP, OVC short circuit protected AC/DC adapter.

Control characteristics

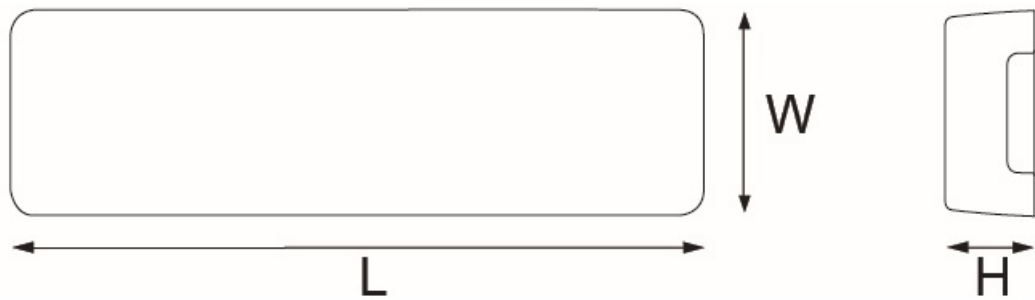|		
Control channels	4	3/6
Control protocol	DMX/RDM	
Dimming range	100% - 0.1%	
Dimming curve options	Logarithmic (default) Linear Square	
Dimming method	HydraDrive	
Driver configuration	via 3-button user interface on driver	

Dimming curves

Environmental conditions

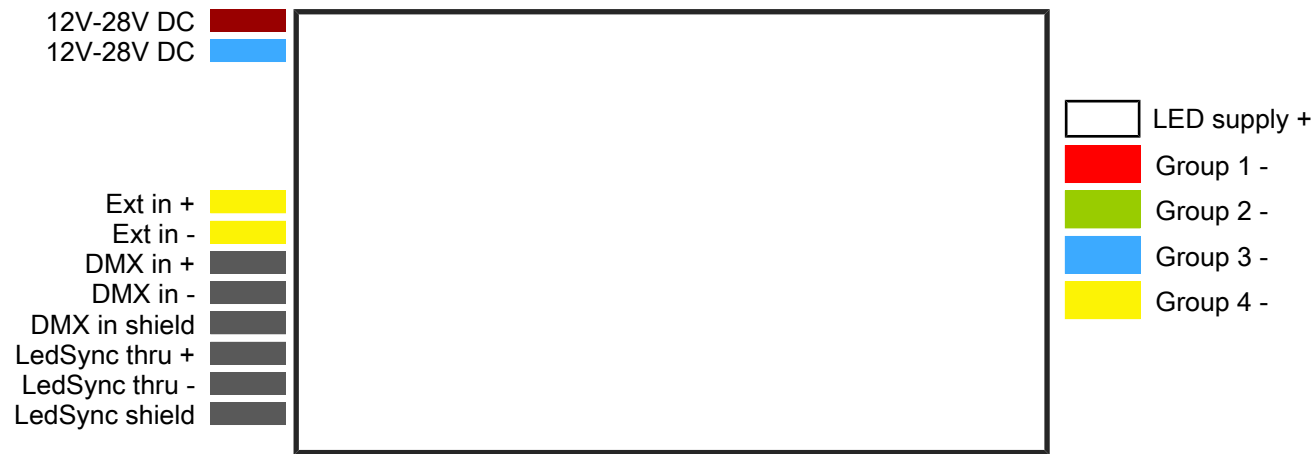|	
Operating ambient temperature (Ta) range	-20 ºC to +50 ºC
Maximum operating case temperature (Tc max)	65 ºC

LED driver mechanical details

Length (L)	typical: 153 mm / 6.02 in
Width (W)	typical: 50 mm / 1.97 in
Height (H)	typical: 23 mm / 0.91 in
Weight	120 g

Packaging

Products per box	12 pcs

Connector layout

12V-28V DC
12V-28V DC

Ext in +
Ext in -
DMX in +
DMX in -
DMX in shield
LedSync thru +
LedSync thru -
LedSync shield

LED supply +
Group 1 -
Group 2 -
Group 3 -
Group 4 -

Wiring specifications

Wire core cross section	0.5 - 1.5 mm² AWG 20 – 16
Wire strip length	9.0 mm / 0.35 inch

Standards and compliance

UL, recognized component	UL 1310 UL 8750 (Class 2 output)
ENEC safety	EN 61347-1 EN 61347-2-13 (Emergency lighting)
Restriction of hazardous substances	RoHS2

Certifications

CE c**RU**us E333135 05

Safety

⚡	Risk of electrical shock. May result in serious injury or death. Disconnect power before servicing or installing.
⚠	The LED driver may only be connected and installed by a qualified electrician. All applicable regulations, legislation, and building codes must be observed. Incorrect installation of the LED driver can cause irreparable damage to the LED driver and the connected LEDs. Pay attention when connecting the LEDs: polarity reversal results in no light output and often damages the LEDs.
⚠	LED drivers are designed and intended to operate LED loads only. Powering non-LED loads may push the LED driver outside its specified design limits and is, therefore, not covered by any warranty.
ⓘ	eldoLED products are designed to meet the performance specifications as outlined at certain operating conditions in the data sheet. It is the responsibility of the fixture manufacturer to test and validate the design and operation of the system under expected and potential use cases, including faults.
ⓘ	Please observe voltage drop over long cable lengths. Longer cable lengths increase EMI susceptibility.
ⓘ	Product renderings and dimensional drawings are generic for the housing type. Product label, connector type and quantity may vary.

eldoLED
your product | *our drive*

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