



**Colour
is our nature**

4x2A DMX/DALI Full-Colour Dimmable LED Drivers

Input characteristics

Input voltage AC	120-250V (ENEC approved) 120-277V (UL approved)
Input voltage DC	120-275V
Input current	1.05A max @ 120V/60Hz 0.5A max @ 230V/50Hz 0.45A max @ 277V/60Hz
Input frequency	50-60Hz
Power factor @ full load	>0.94
THD @ full load	<10%
Inrush current	35A 240µs @ 120V/60Hz 67A 240µs @ 230V/50Hz 75A 240µs @ 277V/60Hz
Surge protection	3kV (L to N), 4kV (L/N to GND)
Standby power	<0.5W

Output characteristics

LED output load	RGBW @ 12V: 2.08A per output RGBW @ 24V: 1A per output RGB @ 12V: 2.76A per output RGB @ 24V: 1.33A per output
	For UL Class 2: RGBW @ 12V: 1.25A per output RGBW @ 24V: 1A per output RGB @ 12V: 1.66A per output RGB @ 24V: 1.33A per output
	5A max common anode
LED output power	100W max
LED output voltage	12V or 24V DC (selectable via DIP switch)
LED output current	2.8A absolute max rating per output
LED outputs	4 (UL Class 2)
Circuit protection	To prevent excessive output current from damaging the LED driver, it is highly recommended to use circuit protection appropriate for your application's nominal current and inrush current requirements.

Product offering



LINEARdrive 100/A P/N: **LIN100A1**
LINEARdrive AC, 100W, DMX/DALI, UI, 4 control channels, constant voltage, 4x 12/24V outputs, long metal/plastic

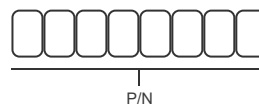


LINEARdrive 100/M P/N: **LIN100M1**
LINEARdrive AC, 100W, DMX/DALI, UI, 4 control channels, constant voltage, 4x 12/24V outputs, long metal



LINEARdrive 100/S P/N: **LIN100S1**
LINEARdrive AC, 100W, DMX/DALI, UI, 4 control channels, constant voltage, 4x 12/24V outputs, square metal

Order number configuration



P/N: for LED driver part number, see 'Product offering' above.

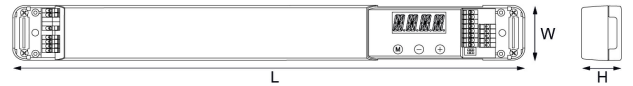
Control characteristics

Control channels	4
Dimming protocol	DMX and DALI
Dimming range	100%-0%
Dimming method	Hybrid HydraDrive
Dimming curve	linear, logarithmic, square
Driver configuration	via 3-button user interface on driver

Dimensions, weight and packaging

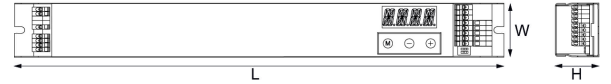
LINEARdrive 100/A

LxWxH	388x42x30mm / 15.27x1.65x1.18in
Weight	705 g / 26 oz
Items per carton	20 pcs



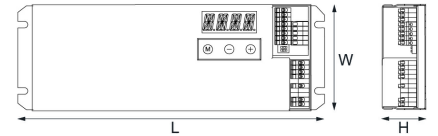
LINEARdrive 100/M

LxWxH	370x41x30mm / 14.57x1.61x1.18in
Weight	880 g / 31 oz
Items per carton	20 pcs



LINEARdrive 100/S

LxWxH	230x80x30mm / 9.06x3.15x1.18in
Weight	880 g / 31 oz
Items per carton	20 pcs



Standards and certifications

Standards compliance

EN	61347-1/-2-13, 62384, 55015, 55022, 61000-3-2, 61547, 62386-101/102/207
UL, Recognized Component	UL 1310, UL 8750 (Class 2 output)
FCC	47 CFR Part 15 class B
RoHS	RoHS2

Certifications



Wiring Specifications

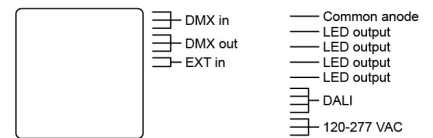
Wire type	AWG 20-16, 0.5-1.5mm ²
Wire strip length	9mm / 0.35in

Wiring diagrams

LINEARdrive 100/A 100/M



LINEARdrive 100/S



Thermal specification

Ta operating range	-40 °C ... +50 °C / -40 °F ... +122 °F
Tc max	90 °C / 194 °F (100/A) 85 °C / 185 °F (100/M, 100/S)

Warranty

Warranty period	3 years
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