



**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	>0.94
THD	<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 RGB @ 12V: 1.66A per output
	Absolute max for US: 5A 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)
Control channel	4

Control characteristics

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

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

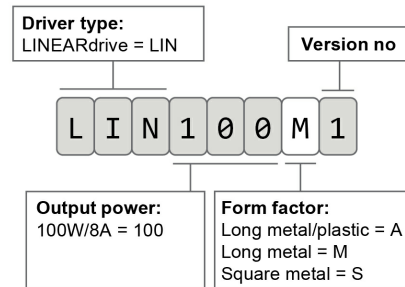


LINEARdrive 100/M P/N: **LIN100M1**
LINEARdrive AC, 100W, DMX/DALI, UI, 4 control channels, constant voltage, 4x 12/24V outputs, long metal



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



Dimensions, weight and packaging

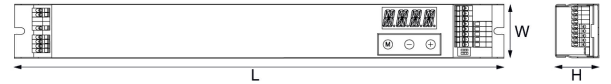
LINEARdrive 100/A

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



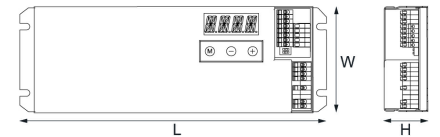
LINEARdrive 100/M

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



LINEARdrive 100/S

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



Standards and certifications

Standards compliance

EN	61347-1/-2-7/-2-13, 62384, 55015, 55022, 61000-3-2, 61547, 62386-101/102/207
FCC	47 CFR Part 15 class B
RoHS	RoHS2

Certifications



UL

Recognized Component for US and Canada (file no. E333135), according to UL1310 and UL8750. US/Canada: Class 2 output.

Wiring Specifications

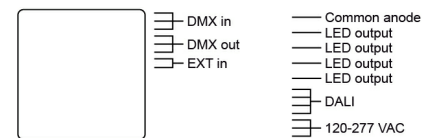
Wire type	AWG 20-16, 0.5-1.5mm ²
Wire strip length	9mm / 0.35in

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)