



8A DMX/DALI Full-Colour Dimmable LED Drivers

Input characteristics

Input voltage DC	12-28V
Input current	8A max, irrespective of PSU voltage

Output characteristics

LED output load	8A max, irrespective of whether using one or both LED outputs
LED output voltage	12V - 28V
LED outputs	2 (UL Class 2)
AUX output voltage	equal to input voltage
AUX output current	180mA @ 12V 90mA @ 24V
AUX output power	2W
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 and inrush current requirements in combination with an OVP, OVC short circuit protected AC/DC adapter.

Control characteristics

Control channels	1 (210D/211D/212D) 2 (220D/222D)
Dimming protocol	DMX, DALI or 0-10V
Dimming range	100%-0%
Dimming method	HydraDrive
Dimming curve	linear or logarithmic (LIN211D)
0-10V isolation	to Line voltage input: 1500V (LIN211D) to LED output: 3750V (LIN211D) n.a. (210D, 212D, 220D, 222D)
0-10V current draw	0.6mA typically, 2mA max (211D) n.a. (210D, 212D, 220D, 222D)

Product offering



LINEARdrive 210D **P/N: LIN210D1**
LINEARdrive DC, 8A, 12-24VDC, DALI, 1 ballast, 2x LED outputs, constant voltage, plastic long

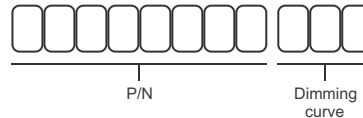
LINEARdrive 220D **P/N: LIN220D1**
LINEARdrive DC, 8A, 12-24VDC, DALI, 2 ballasts, 2x LED outputs, constant voltage, plastic long

LINEARdrive 211D **P/N: LIN211D1**
LINEARdrive DC, 8A, 12-24VDC, 0-10V, 1 control channel, 2x LED outputs, constant voltage, plastic long

LINEARdrive 212D **P/N: LIN212D1**
LINEARdrive DC, 8A, 12-24VDC, DMX, 1 control channel, 2x LED outputs, constant voltage, plastic long

LINEARdrive 222D **P/N: LIN222D1**
LINEARdrive DC, 8A, 12-24VDC, DMX, 2 control channels, 2x LED outputs, constant voltage, plastic long

Order number configuration



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

Dimming curve: enter "LIN" for linear or "LOG" for logarithmic dimming curve. Applies to LIN211D1 only.

Dimensions, weight and packaging

LINEARdrive 200 series

LxWxH	153x50x23mm / 6.02x1.97x0.91in
Weight	120 g / 4.2 oz
Items per carton	12 pcs



Standards and certifications

Standards compliance

EN	61347 LIN210D/LIN220D: 62386-101/102/207
RoHS	RoHS2
UL, Recognized Component	UL 1310, UL 8750 (Class 2 output)

Certifications



Wiring Specifications

Wire type	AWG 24-16, 0.2-1.5mm ²
Wire strip length	9mm / 0.35in

Wiring diagrams

LINEARdrive 210D, 220D



LINEARdrive 211D



LINEARdrive 212D, 222D



Thermal specification

T _a operating range	-20 °C ... +50 °C / -4 °F ... +122 °F
T _c max	65 °C / 149 °F