



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

Control characteristics

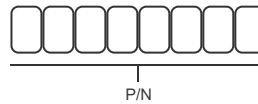
Control channels	1 (210D/211D/212D) 2 (220D/222D)
Dimming protocol	DMX, DALI or 0-10V
Dimming range	100%-0%
Dimming method	HydraDrive
Dimming curve	linear or logarithmic (LIN211D)
0-10V isolation	to Line voltage input: 1500V (LIN211D) to LED output: 3750V (LIN211D) n.a. (210D, 212D, 220D, 222D)
0-10V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

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