



**Colour**  
is our nature

## 4A/6A/24A DMX/DALI Full-Colour Dimmable LED Drivers

### Input characteristics

Input voltage DC	12-28V (100D, 180D) 12-48V (720D)
Input current	LINEARdrive 100D: 4A max @ 24V 6A max @ 12V LINEARdrive 180D: 6A max, irrespective of PSU voltage LINEARdrive 720D: 24A max, irrespective of PSU voltage

### Output characteristics

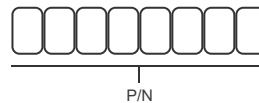
LED output load	LINEARdrive 100D: RGBW @ 12V: 1.5A RGB @ 12V: 2A RGBW @ 24V: 1A RGB @ 24V: 1.3A  LINEARdrive 180D: RGBW @ 12V: 1.5A RGB @ 12V: 2A RGBW @ 24V: 1.5A RGB @ 24V: 2A  LINEARdrive 720D: RGBW @ 12V: 6A RGB @ 12V: 6A RGBW @ 24V: 6A RGB @ 24V: 6A RGBW @ 48V: 6A RGB @ 48V: 6A
LED output voltage	12V, 24V 5V, 48V (720D only)
LED outputs	4 (UL Class 2)
Control channels	4
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.

### Product offering



<b>LINEARdrive 100D</b>	<b>P/N: LIN100D2</b>
LINEARdrive DC, 100W, DMX, 4 control channels, constant voltage, 4x LED outputs	
<b>LINEARdrive 180D</b>	<b>P/N: LIN180D3</b>
LINEARdrive DC, 180W, DMX/RDM, 4 control channels, constant voltage, 4x LED outputs	
<b>LINEARdrive 720D</b>	<b>P/N: LIN720D3</b>
LINEARdrive DC, 720W, 48V, DMX/RDM and DALI, 4 control channels, constant voltage, 4x LED outputs	

### Order number configuration



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

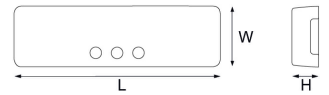
### Control characteristics

Dimming protocol	DMX (100D) DMX/RDM (180D) DMX/RDM and DALI (720D)
Dimming range	100%-0% (HydraDrive)
Dimming curve	linear, logarithmic, square
Driver configuration	via 3-button user interface on driver. Remark: Ignore dimming curve setting in DALI mode (LIN720D3)

## Dimensions, weight and packaging

### LINEARdrive 100D/180D

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



### LINEARdrive 720D

LxWxH	153x50x23mm / 6.02x1.97x0.91in
Weight	144 g / 5 oz
Items per carton	12 pcs

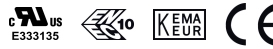


## Standards and certifications

### Standards compliance

EN	61347
RoHS	RoHS2
UL, Recognized Component	UL 1310, UL 8750 (Class 2 output)

### Certifications

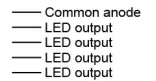
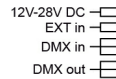


## Wiring Specifications

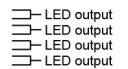
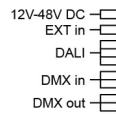
Wire type	AWG 20-16, 0.5-1.5mm <sup>2</sup>
Wire strip length	9mm / 0.35in

## Wiring diagrams

### LINEARdrive 100D 180D



### LINEARdrive 720D



## Thermal specification

Ta operating range	-20 °C ... +50 °C / -4 °F ... +122 °F
Tc max	65 °C / 149 °F