



**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 LINEARdrive720D: 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

### Control characteristics

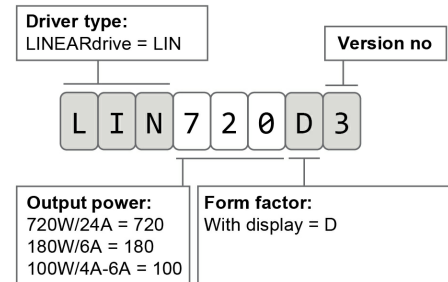
Dimming protocol	DMX (100D, 180D) DMX and DALI (720D)
Dimming range	100%-0% (HydraDrive)
Dimming curve	linear, logarithmic, square
Driver configuration	via 3-button user interface on driver

### 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, 4 control channels, constant voltage, 4x LED outputs	
<b>LINEARdrive 720D</b>	<b>P/N: LIN720D3</b>
LINEARdrive DC, 720W, 48V, DMX/DALI, 4 control channels, constant voltage, 4x LED outputs	

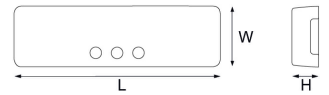
### Order number configuration



## Dimensions, weight and packaging

### LINEARdrive 100D/180D

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



### LINEARdrive 720D

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



## Standards and certifications

### Standards compliance

EN	61347
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 <sup>2</sup>
Wire strip length	9mm / 0.35in

## Wiring diagrams

### LINEARdrive 100D 180D



### LINEARdrive 720D



## Thermal specification

T <sub>a</sub> operating range	-20 °C ... +50 °C / -4 °F ... +122 °F
T <sub>c</sub> max	65 °C / 149 °F