

Colour
is our nature

Highly Integrated 40/50/150 Watt Dimmable LED Drivers

The LM Series products are constant current LED drivers with multiple LED outputs that are controlled over three or four channels. They are targeted at larger networked and smaller standalone installations that require dimmable, high-power, general white or full-colour LED lighting. The LM Series LED drivers are renowned for their high power output and are DMX and LedSync compatible. The drivers' small size makes them ideally suited for in-fixture installation, leading to less cabling, increased design freedom and improved system cost.

Applications

General white applications

- Office lighting
- Architectural lighting
- Hospitality lighting
- Signage / advertising lighting
- Retail lighting
- Public area / park / street lighting
- Display lighting

Static/dynamic full-colour applications

- Entertainment lighting
- Stage lighting
- Full-colour architectural lighting
- Signage / advertising lighting
- Façade lighting
- Retail display lighting
- Full-colour / tunable white applications
- Decorative lighting

Features & benefits

Input

- Voltage range: 24-32VDC

Output

- Current range: via onboard jumper block per LED group.
350mA and 700mA (LM-Dot/P) or
350mA, 700mA, 1,000mA and 1,400mA (LM-Dot/C and LM-Dot/S)
- Power: max 40W, 50W or 150W

General

- Ideal form factors for in-fixture installation
- Drive, control and thermal protection per fixture
- USITT DMX512A and LedSync compatible
- HydraDrive: 15-bit resolution
- Dimming control: smooth dimming from 100% to 0.1%
- ShowMaster: 9 default shows, up to 20 user-defined shows, uploadable via TOOLbox and PC software
- Reverse polarity protection
- NTC thermistor interface



Product offering

Description

LM-Dot Connector, 150W, DMX, 3 control channels, constant current, 4x LED outputs, in-fixture
 LM-Dot Connector, 150W, DMX, 4 control channels, constant current, 4x LED outputs, in-fixture
 LM-Dot Standard, 150W, DMX, 3 control channels, constant current, 4x LED outputs, in-fixture
 LM-Dot Standard, 150W, DMX, 4 control channels, constant current, 4x LED outputs, in-fixture
 LM-Dot Pico, 40W, DMX, 3 control channels, constant current, 4x LED outputs, in-fixture
 LM-Dot Pico, 50W, DMX, 4 control channels, constant current, 4x LED outputs, in-fixture

Product

LM-Dot/C 3155
 LM-Dot/C 4155
 LM-Dot/S 3155
 LM-Dot/S 4155
 LM-Dot/P 3045
 LM-Dot/P 4055

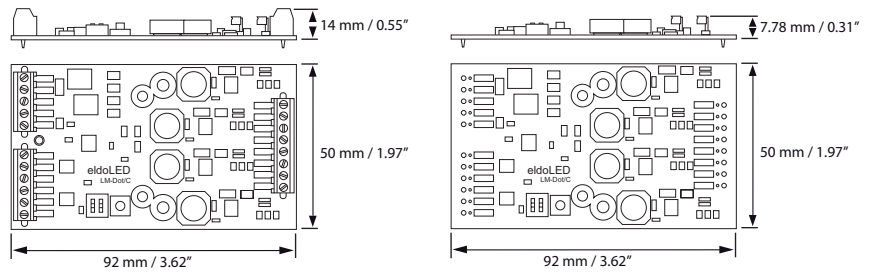
Order no.

LMC31551
 LMC41551
 LMS31551
 LMS41551
 LMP30451
 LMP40551

Dimensions and weight

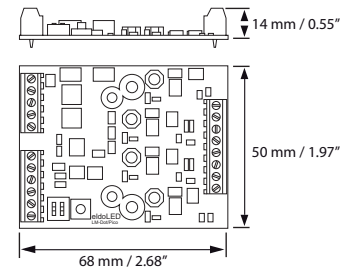
LM-Dot Connector / LM-Dot Standard

- Weight LM-Dot/C (left): 37.5 g, 1.32 oz
- Weight LM-Dot/S (right): 29 g, 1.02 oz



LM-Dot Pico

- Weight: 27.5 g, 0.97 oz



Connections

Connections LM-Dot/C and LM-Dot/P

- Power: screw terminals (2)
- Data: screw terminals (6)
- NTC: screw terminals (2)
- External switch: screw terminals (2)
- LED groups: screw terminals (8)

Connections LM-Dot/S

- Power: solder pads (2)
- Data: solder pads (5)
- NTC: solder pads (2)

Connections LM-Dot/S - cont'd

- External switch: solder pads (2)
- LED groups: solder pads (8)

Wiring

- Cross section: 0.25 - 1 mm², AWG 24 - 18
- Strip length: 4.5 mm / 0.18 in.

Mounting

- Mounting holes: for M3 screws (x2) and M4 screws (x2)
- Mounting kit: DIN rail mounting
- Ensure proper heat dissipation using e.g. a heat sink

Other information

Control compatibility

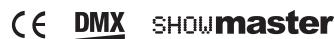
- DMX512A control gear

Certifications

- IEC 61347-1, IEC 61347-2-13
- CE

Environmental ratings

- Ta range: 0°C...+50°C / 32°F...+122°F
- For use in dry locations
- Relative humidity: non-condensing



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Other documentation and support

Visit www.eldoled.com/support for further documentation such as quick start guide, wiring diagram, tech sheet and 3D IGES files.

Warranty

eldoLED represents and warrants that for a period of 3 (three) years, as of the date of invoice, Products materially meet the specifications and specifically agreed upon quality, both as stated in the applicable datasheet and/or written design-in specifications, or as stated in writing otherwise by eldoLED, provided that these specifications are explicitly designated by eldoLED as "warranted specifications".

For the complete warranty text, visit www.eldoled.com/terms.