

Highly Integrated 4A/8A/32A Dimmable LED Drivers

The V Series products are constant voltage LED drivers targeted at larger networked and smaller standalone installations that require dimmable, low-power (LED strips), general white or full-colour LED lighting. The V-Strip Power and V-Strip Network are DMX and LedSync compatible, V-Strip Standalone is targeted at standalone setups. 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: 12-28VDC

Output

- Voltage range: automatically selected
- Load: V-Strip Power 32A (8A per group), V-Strip Network 8A (2A per group)
V-Strip Standalone 4A (1A per group)

General

- Breakthrough form factors for in-fixture installation
- Drive, control and thermal protection per fixture
- DMX512A and LedSync compatible *
- HydraDrive: 15-bit resolution
- Dimming control: smooth dimming from 100% to 0.1%
- Programmable parameters via TOOLbox and free software *
- ShowMaster: 9 default shows, up to 20 user-defined shows, uploadable via TOOLbox and PC software *

* does not apply to V-Strip Standalone



Product offering

Description

V-Strip Power, 32A, DMX, 4 control channels, constant voltage, 4x LED outputs, in-fixture
 V-Strip Network, 8A, DMX, 4 control channels, constant voltage, 4x LED outputs, in-fixture
 V-Strip Standalone, 4A, constant voltage, 4x LED outputs, in-fixture

Product

V-Strip/P 4045
 V-Strip/N 4045
 V-Strip/S 4040

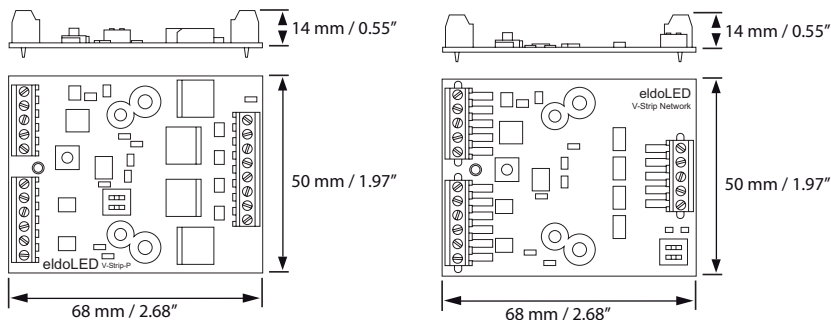
Order no.

VSP40451
 VSN40451
 VSS40401

Dimensions and weight

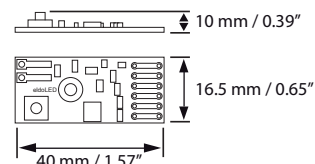
V-Strip Power / V-Strip Network

- Weight V-Strip/P (left): 28 g, 0.99 oz
- Weight V-Strip/N (right): 22 g, 0.78 oz



V-Strip Standalone

- Weight: 2.5 g, 0.09 oz



Connections

V-Strip Power and V-Strip Network

Connections

- Power: screw terminals (4)
- Data: screw terminals (6)
- External switch: screw terminals (2)
- LED groups: screw terminals (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)
- Ensure proper heat dissipation using e.g. a heat sink

V-Strip Standalone

Connections

- Power: solder pads (2)
- LED groups: solder pads (6)

Wiring

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

Mounting

- Mounting holes: for M3 screw (1)

Other information

Control compatibility

- DMX512A control gear (does not apply to V-Strip Standalone)

Certifications

- 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.