



32A Voltage Controlled RGB(W) LED Driver/Controller

V Series

The V Series products are cost-effective driver/controllers for direct voltage controlled linear LED lighting applications.

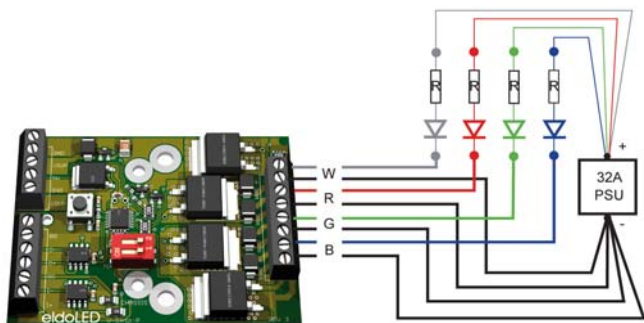
The V Series driver/controllers can be used in a network or as standalone devices. ShowMaster, supported on all eldoLED driver/controllers, allows you to upload show sequences for use in standalone mode. Create and manage your own show sequences using the TOOLbox and freely available PC software.

The V Series driver/controllers are DMX- and LedSync-compatible, allowing 15-bit dimming and colour control and bidirectional communication for driver configuration and temperature read-out.

V-Strip Power

The V-Strip Power is the ideal choice for powering all kinds of low-brightness LED packages requiring up to 32A (8A per channel) and is available in a 4-channel version.

Thanks to LedSync Out, the V-Strip Power allows daisy-chaining of linear SSL fixtures and can broadcast running show sequences to all connected V Series devices.

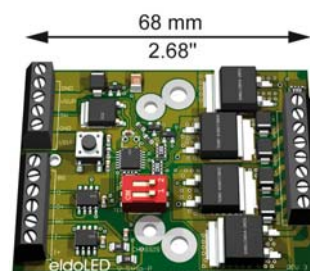


Example of an LED group wiring schematic

Small form factor

The V-Strip Power has a small footprint:

68 mm x 50mm x 14mm or
2.68" x 1.97" x 0.55".



High control resolution

The V-Strip Power supports a 15-bit control resolution per output channel for accurate dimming and fine colour mixing.

Low EMI

Slew-rate controlled dimming and shielded conductors keep the driver's EMI emissions at a very low level.

Features

- USITT DMX512A- and LedSync-compatible
- Small form factor: 68mm x 50mm / 2.68" x 1.97"
- Operating supply voltage range: 12V - 28V DC
- Delivers up to 32A (8A per channel)
- High control resolution: 15-bit
- DIN Rail (EN50022) mounting set available (optional)

Advantages

- Highly integrated: no external boxes
- Accurate, smooth dimming and high-res colour mixing
- Drive and control per fixture
- Easy network setup
- Low EMI
- Screw terminals allowing easy connection of leads

Electrical data

- Delivers up to 32A (8A per channel)
- Power output: 0 - 800W
- Operating supply voltage range: 12V-28V DC
- Reverse polarity protection
- Processor: eldoLED FluxLogic 800 Series
- Independent LED groups: 4

Dynamic effects

- Hydra Drive Algorithm Based Modulation
- Control of channel 1 (R), 2 (G), 3 (B) and 4 (W/A): 0 - 100% in 15-bit set point resolution
- Contrast ratio: up to 2,000:1

Thermal data

- Passive cooling
- Built-in protection against overheating

Network control

- Network input: USITT DMX512A or LedSync
- Network output: LedSync
- Network input/output: based on RS485 specification
- Input signal update rate: 8ms

Network control (continued)

- Network resolution: 8 or 16 bit, set at factory or with TOOLbox and PC software
- Network channels used by driver in 8-bit resolution: 4
- Network channels used by driver in 16-bit resolution: 8
- Communication: bidirectional for driver configuration and temperature readout
- Start address configuration: manually with TOOLbox and PC software or auto-addressing if daisy-chained (LedSync only)

ShowMaster

- Nine standard shows or up to 20 customer-defined shows set at factory.
- User-defined shows (ShowMaster): up to 20 shows, via TOOLbox and PC software.
- Show selection: via TOOLbox and PC software or via external/remote or onboard switch

Connections

- Power: screw terminals (4)
- Data: screw terminals (6)
- External switch: screw terminals (1)
- LED groups: screw terminals (8)
- Network termination: jumper (1)

Environmental ratings

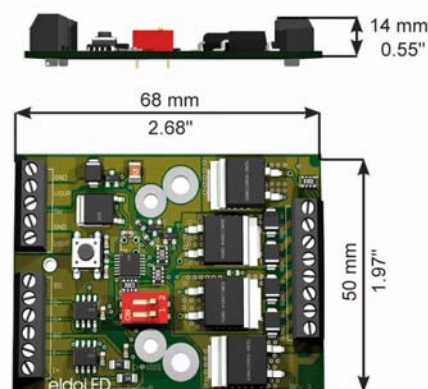
- Maximum ambient temperature: 60°C (140°F)
- Minimum ambient temperature: 0°C (32°F)
- Storage ambient temperature: -40°C to 95°C (-40°F to 203°F)
- Relative humidity: non-condensing

Mounting data

- Mounting orientation: any
- Mounting holes: for M3 screw (2) and M4 screw (2)
- Mounting kit: DIN rail mounting

Dimensions

- LxWxH: 68mm x 50mm x 14mm
2.68" x 1.97" x 0.55"

**Ordering information**

Description	Product	Order nr
V-Strip Power 4 Channel voltage controlled	V-Strip/P 4045	VSP40451
DIN rail clip with alu spacer (optional)	DIN rail clip	DRC10101