eldoLED
your product | *our drive*

Colour is our nature

4A 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.
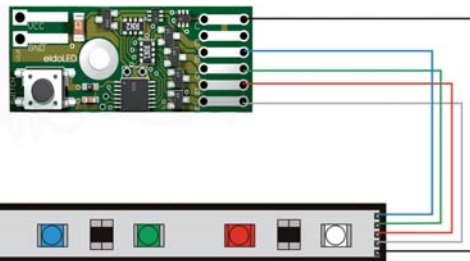
V-Strip Standalone
The V-Strip Standalone is the ideal choice for a standalone linear LED lighting application that requires up to 4A (1A per channel). The V-Strip Standalone is available in a 4-channel version.

High control resolution
The V-Strip Standalone supports a 15-bit control resolution per output channel for accurate dimming and fine colour mixing.
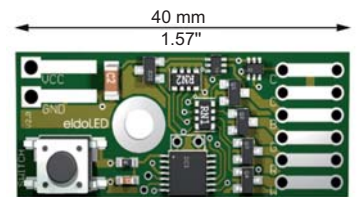
Show sequences
Custom-defined show sequences can be uploaded to the V-Strip Standalone at the factory and can be selected with the onboard switch.

Example of an LED group wiring schematic

Small form factor
The V-Strip Standalone has a remarkably small footprint: 40mm x 16.5mm x 10mm or 1.57" x 0.65" x 0.39".

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
- Break-through form factor: 40mm x 16.5mm / 1.57" x 0.65"
- Operating supply voltage range: 12V - 28V DC
- Delivers up to 4A (1A per channel)
- High control resolution: 15-bit

Advantages
- Highly integrated: no external boxes
- Accurate, smooth dimming and high-res colour mixing
- Low EMI

Electrical data

- Delivers up to 4A (1A per channel)
- Power output: 0 - 100W
- Operating supply voltage range: 12V-28V DC
- 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

Show selection

- Shows defined and uploaded at the factory can be selected with the onboard switch

Connections

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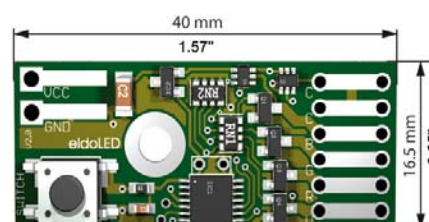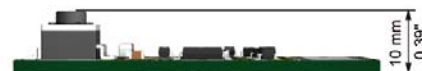- LED groups: soldering pads (6)

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 hole: for M3 screw (1)

Dimensions

- LxWxH: 40mm x 16.5mm x 10mm
  1.57" x 0.65" x 0.39"

Ordering information

Description	Product	Order nr
V-Strip Standalone 4 Channel voltage controlled	V-Strip/S 4040	VSS40401