

Colour
is our nature

4A Voltage Controlled RGB(W) LED Driver

V-Series Description

The V-Series is a cost effective solution for integrated Drive & Control of direct voltage controlled LED strings.

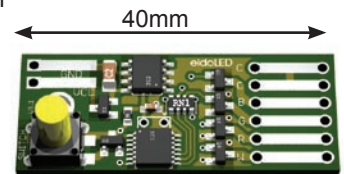
V-Strip

The V-Strip standalone is the ideal choice for powering all type of low power LED packages and LED arrays, especially where cost-effective colour mixing is needed. The V-Strip is available in a Standalone, Network and Power version.

With its true 15 bit resolution per output channel the V-Strip is capable of accurate dimming and extreme fine colour mixing. For stand-alone applications 10 pre-defined shows can be selected via the on board switch.

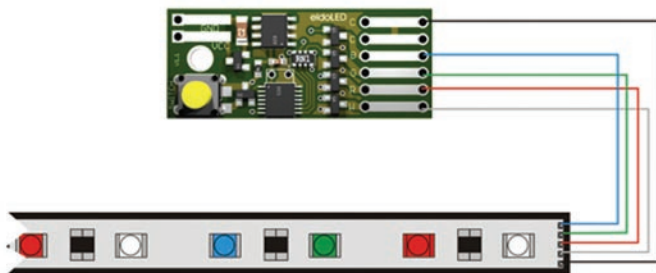
Features

RGB(W) colour mixing driver
Up to 4A power output
Small size (40x16.5mm)
Long life (5 years)
12V - 28V supply range
High-resolution colour mixing with HydraDrive Algorithm Based Modulation (Proprietary Technology)



Advantages

Integration of Drive & Control (no external boxes)
Smooth colour control
Cost efficient
Accurate dimming solution
Drive & Control per fixture



Principle schematic of LED group wiring

Output

Output current: up to 4A LED current
 (1000mA per channel)
 Power output range: 0 - 100W
 Nr of independent LED groups: 4

Connections

Power connection: Soldering pad (2x)
 LED connection: Soldering pad (5x)
 External switch: Soldering pad (2x)

Dynamic Effects

Hydra Drive Algorithm Based Modulation
 Control channel 1 (R): 0-100%
 Control channel 2 (G): 0-100%
 Control channel 3 (B): 0-100%
 Control channel 4 (W): 0-100%
 Resolution: 15 Bit
 Contrast ratio: 2000:1

Miscellaneous

Orientation: Any
 Mounting: Mounting hole for using common
 M3 screw (1x)
 Relative Humidity: Non Condensing
 Storage ambient Temperature: -40°C to 95°C

Thermal

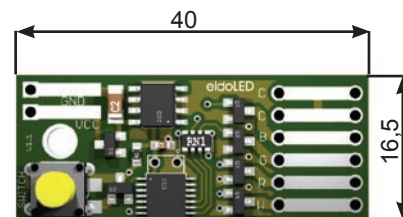
Cooling: Passive;
 Maximum ambient temperature: 60°C
 Minimum ambient temperature: -30°C

Standalone Features

Standalone options: 10 pre-programmed
 shows
 Show selection: Via switch
 Custom shows, factory programmed: 10

Electrical

Power: 12V - 28 V DC
 Processor: eldoLab FluxLogic 800 series



Note: All dimensions are in millimeters

Ordering information

Description	Product	Ordernr	Qty
V-Strip StandAlone 4 channel	V-Strip/S 4040	VSS40401	50

The V-Strip is also available in a Network version. For details please see the V-strip Network datasheet. For special form factors, connectors or other customised solutions, please contact our OEM support desk. More information, application notes and user manuals available at www.eldoled.com

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