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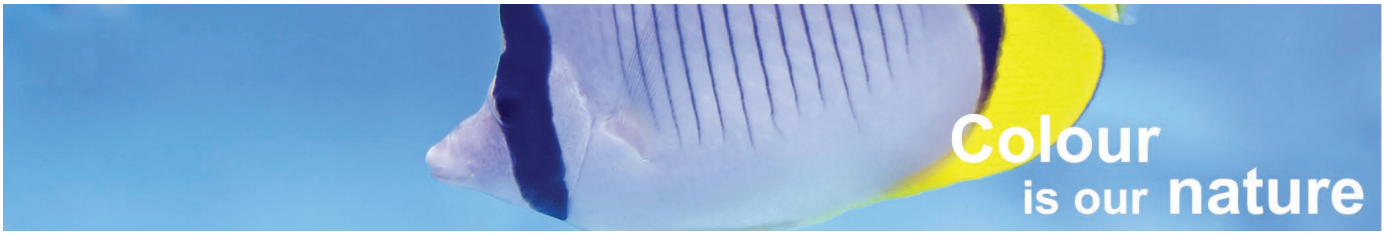
Datasheet V-Strip Power **V - Series**



32A Voltage Controlled RGB(W) LED Driver

V-Series Description

The V-Series is a cost effective solution for integrated drive and control of direct voltage controlled LED strings.

V-Strip Power

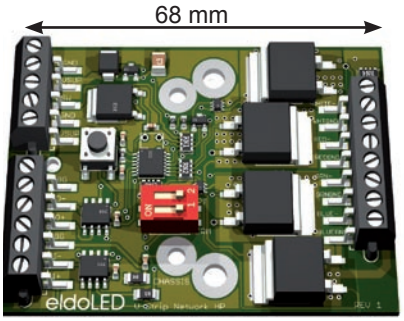
The V-Strip product range is the ideal choice for powering all type of low power LED packages and LED arrays, especially where cost-effective colour mixing is needed. The V-Strip is available in a standalone, network and High power networked version.
With its true 15 bit resolution per output channel the V-Strip is capable of accurate dimming and extreme fine colour mixing. The small form factor enables highpower control integrated into the lighting fixture.

Network Version (LedSync)

The LedSync network interface allows for high resolution, quick setup and lower cabeling costs compared to other networking solutions. The V-Strip Power range also accepts standard DMX as input protocol. For standalone applications one of 10 pre-defined shows can be selected.

ShowMaster

The “ShowMaster” version of the V-Strip supports custom design of scenes and shows that can be uploaded via the LedSync network and broadcasted to all connected V-Series LedSync and L-Series Devices.



Features

RGB(W) colour mixing driver
Up to 32A power output total
Small size (68x50mm)
Long life (5 years)
12V - 28V supply range
LedSync and DMX compatible
High-resolution colour mixing with HydraDrive Algorithm Based Modulation (Proprietary Technology)
Optional DIN-Rail(EN50022) mounting set available

Advantages

Integration of drive and control (no external boxes)
Smooth colour control
Cost efficient
Accurate dimming solution
Drive and control per fixture
Easy network setup

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Output
Output current: up to 32A LED current (8000mA per channel)
Power output range: 0 - 800W
Nr of independent LED groups: 4

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

Thermal
Cooling: Passive;
Maximum ambient temperature: 60°C
Minimum ambient temperature: 0°C

Network Control
Input Protocol: LedSync / USITT DMX-512A
Output Protocol: LedSync
Input/output network: RS485
Update rate: 8ms
Network channels: 4
Network resolution: 8 or 16 bit
Communication: bi-directional for configuration or reading sensor values

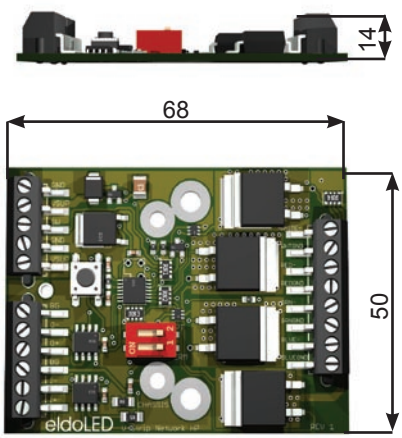
Control and Programming
LedSync Address setting: Auto-addressing or via programmer
Standalone features: 10 standard shows or 10 factory set custom shows, or (ShowMaster versions) 20 customer designed and uploaded shows.
Show selection: Via external switch

Show Programming (ShowMaster Versions)
Max nr of shows: 20
Max nr of scenes: 50
Show upload: Via LedSync

Electrical
Power: 12V - 28 V DC
Reverse polarity protection power supply
Processor: eldolab FluxLogic 800 series

Connections
Power connection: Screw fitting (4x)
LED connection: Screw fitting (8x)
Data connection: Screw fitting (6x)
External switch: Screw fitting (1x)
Network terminator: (Jumper)

Miscellaneous
Orientation: Any
Mounting: Mounting hole for using common M3 screw (2x) M4 screw (2x)
DIN-Rail EN50022 Form factor
Relative Humidity: Non Condensing
Storage ambient Temperature: -40°C to 95°C



Note: All dimensions are in milimeters

Ordering information

Description	Product	Ordernr	Qty
V-Strip Power 4 channel	V-Strip/P 4040	VSP40401	50
V-Strip Power 4 channel, ShowMaster	V-Strip/P 4045	VSP40451	50
(Optional) DIN rail clip with alu spacer	DIN rail clip	DRC10101	50

The V-Strip is also available in a lower power (8A) 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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