



- PWM LED-dimmer constant voltage
- RGBW or 1...4-channels
- Channel-Link\*
- Output power max. 4x 4,4A /24V DC
- constant voltage 10...48V DC
- <0,24W Standby power consumption
- PWM-frequencies 130,2 or 488 Hz
- control with DALI or tastDIM\*\*

### Brief description:

PWM LED-dimmer for constant voltage LEDs (e.g. LED-stripes; constant voltage downlights) RGBW or 1...4 channels on a common anode (+).  
Power supply: +10V DC ... 48V DC  
LED output power: max. 4,4A each channel,  
Overall max. 17,6A / 24V DC

### Intended use

XLED4 CV DALI for easy and flexible applications with constant voltage LEDs (usually LED-stripes). 4 channels could be used RGBW or multichannel unicolor constant voltage CV applications.

### CV - Constant Voltage

The used power supply has to be pulse resistant and stabilized. Use a Power supply voltage according the rated voltage of the LEDs. Compliant with common DALI controller and gateways.

### Channel-Link \*

Channels could be linked together for a higher output power than 4,4A. With a maximum of 17,6A (24V DC). Linked-channels works as a single combined output. A linked-channel group has one DALI short-address.

### tastDIM \*\*

Alternatively its possible to use the DALI-input as a input switch with a push-button. Therefor the mains voltage (L and N) must be connected to the DALI-contacts. All channels respond together and the dimming is equal.

### Installation

Installation construction (INS) in dry indoor using as ceiling-, wall- or assembly in luminaire.

Optional DIN-Rail mounting with an rail mount kit.



### Protection

Outputs Short circuit with auto restart,  
Thermal derating on over temperature,  
Overload

### Operation- and indication units

Setup-button for operation;  
Select-button for channel selection and Channel-Link; Status-LED



Operating elements

## XLED4 CV DALI

Item number: 10.521

Technical data	item number 10.521	XLED4 CV DALI INS												
Operation Voltage	External power supply	10...48V DC												
Power loss	Standby / Operation (rated power) Efficiency	< 023W / 2 W 99,5%												
Fuse		max. 16 A												
Outputs	4 output channels	common anode (+)												
Power consumption	<table border="1"> <thead> <tr> <th>Voltage</th> <th>Power / channel</th> <th>Total power</th> </tr> </thead> <tbody> <tr> <td>12V DC</td> <td>4,4A</td> <td>17,6A</td> </tr> <tr> <td>24V DC</td> <td>4,4A</td> <td>17,6A</td> </tr> <tr> <td>48V DC</td> <td>2,2A</td> <td>8,8A</td> </tr> </tbody> </table>		Voltage	Power / channel	Total power	12V DC	4,4A	17,6A	24V DC	4,4A	17,6A	48V DC	2,2A	8,8A
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	12V DC	4,4A	17,6A											
	24V DC	4,4A	17,6A											
48V DC	2,2A	8,8A												
	PWM-frequency	130,2 / 488Hz												
Protocol input: DALI	IEC 62386-101/-102 (DALI-Version 1) Also compliant with IEC 60929 gear	IEC 62386-207, DALI device type 6 (LED Module)												
	quantity short addresses	1 main instance, up to 3 sub instances (Channel-Link)												
	power consumption from DALI	< 2mA / 9,5-22,5 V Manchester Code												
Dimming method	0.1%-100% output characteristic according IEC 62386-102, additional DSI or linear selectable													
Alternative control	tastDIM** 230V AC touch over DALI-input	(all channels together)												
Operation- and indication units	Status-LED; SETUP-button; SELECT-button (all recessed)													
Connections DALI D1/D2 (X1)	Push-in spring connection	0,2 ... 2,5 mm <sup>2</sup> flexible or solid												
Connections power supply (X2)	Screw connection Tightening torque max	0,2 ... 4 mm <sup>2</sup> flexible or solid max. 0,6Nm												
Connections LED output (X3)	Push-in spring connection	0,2 ... 1,5 mm <sup>2</sup> flexible or solid												
Protection circuits	Output short circuit with auto restart; Thermal derating at overtemperature; Overload shutdown													
Environment	Type of protection according DIN EN 60529 Protection class Temperature (ambient) ta Temperature (reference) tc Humidity	IP20 10mm/5KV II -20°...+40° Celsius 85° C 5 - 80% not condensing												
Conformity	According EMV and Low Voltage Directive; CE-Mark; DIN EN 60669; EN 60669-2-1:1996; DIN EN 60669-2-1 DIN EN 61000-6-1; DIN EN 61000-6-3													
Mounting design	Installation housing Optional DIN-Rail mounting	ceiling-, wall- or assembly in luminaire												
Dimensions	(height x width x depth) mm	62 x 113 x 27 mm												
	Lead-through opening	hole measurements 68 mm Ø												
Venting	clearance of 25mm around is necessary for sufficient air circulation													
Housing	Aluminium housing; Plastic cover black/grey													
Weight		0,200 kg												
Customs	HS-Code/ TARIC-Number	85365080												
Co-applicable documents	instruction manual; Home automation users compendium													
Important: Notice all safety instructions and related documents for Installation and operation. Names, brandmarks, products or companies can be claimed. All rights are on their respective owners.														

