

## DALI 4Ch LED Dimmer CV

### Datasheet Control Gear



4-Channel LED Dimmer (CV)

Art. Nr. 89453835 (8A)

Art. Nr. 86459560 (10A)

Art. Nr. 89453832 (16A)

Art.Nr. 89453832-HS (16A)

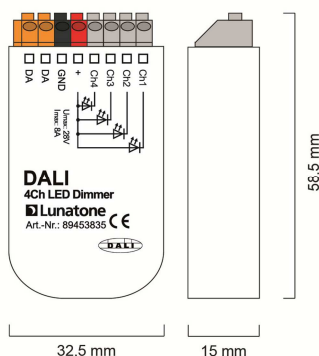
# DALI 4Ch LED Dimmer CV Control Gear

## Overview

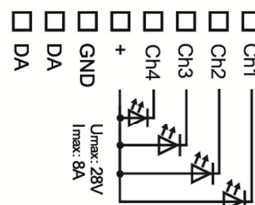
- 4 Channel LED Dimmer
- Suitable for constant voltage LED-modules
- Enables separate control of 4 PWM-outputs via DALI
- Each channel has got an own DALI-address
- The output is dimmable from 1% to 100% (upon request 0.1%)
- Supply voltage from 12V to 28V DC or 12V to 48V DC dependent on type
- Configuration via DALI-Cockpit software and DALI USB interface
- 3 types of housing
- Depending on product-type the maximum input current must not exceed 8A, 10A or 16A.
- The output current per channel may not exceed 8A

## Specification, Characteristics

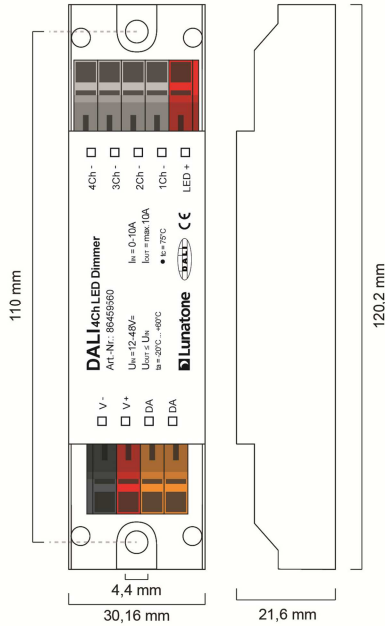
| type                               | DALI 4Ch LED Dimmer        |                     |          |                |
|------------------------------------|----------------------------|---------------------|----------|----------------|
| article number                     | 89453835                   | 86459560            | 89453832 | 89453832-HS    |
| power supply                       | 12VDC-28VDC                | 12VDC-48VDC         |          |                |
| maximum input current              | 8A                         | 10A                 | 16A      |                |
| maximum output current per channel | 8A                         | 8A                  | 8A       |                |
| control input                      | DALI                       |                     |          |                |
| number of DALI addresses           | 4                          |                     |          |                |
| ambient temperature                | -20°C bis 50°C             | -20°C bis 60°C      |          | -20°C bis 55°C |
| protection class                   | IP20                       |                     |          |                |
| default state after power return   | dependent on DALI settings |                     |          |                |
| max. connecting wire cross section | 1.5 mm <sup>2</sup>        | 2.5 mm <sup>2</sup> |          |                |
| geometry (LxWxH)                   | 59x33x15 mm                | 120x30x21 mm        |          | 98x17x56 mm    |



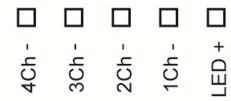
geometry 8A



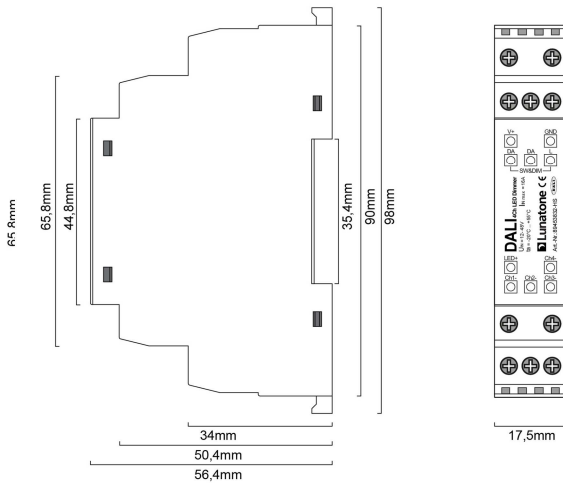
connection plan 8A



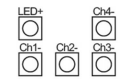
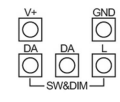
geometry 10A and 16A



connection plan 10A and 16A



geometry 16A din rail

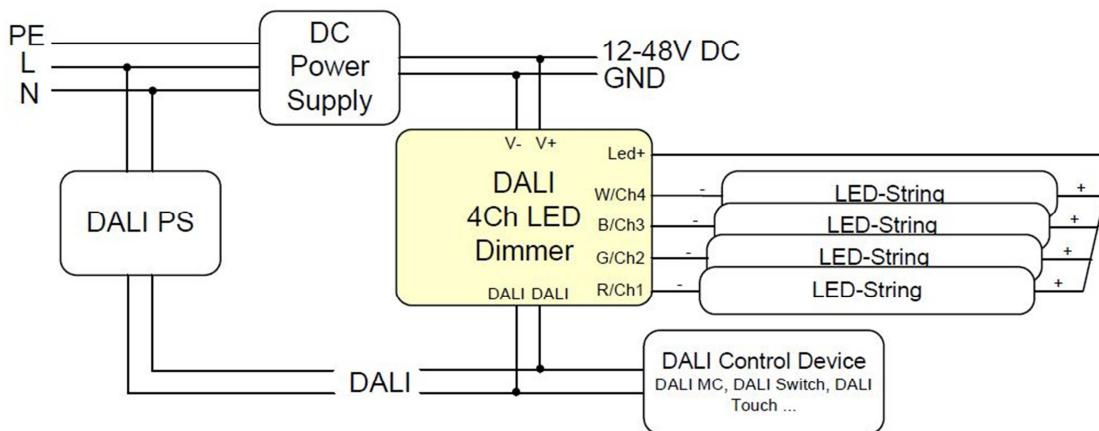


Connection plan 16A din rail

Extra feature Sw/Dim-Input:

Short Press: On/Off

Long Press: Adjust Colour/Colour Temperature



typical application

**RECOMMENDATION:** Care should be taken on keeping cable lengths between DC power supply and dimmer as well as between dimmer and luminaires (Led-Strings) as short as possible. This kind of installation will minimize the influence of voltage drops.

## Purchase Information

Art.Nr. 89453835: 4-Channel LED Dimmer, CV,  
max. input current 8A, 12V-28V DC, back box

Art.Nr. 86459560: 4-Channel LED Dimmer, CV,  
max. input current 10A, max. 8A/channel,  
12V-48V DC, remote ceiling & built in

Art.Nr. 89453832: 4-Channel LED Dimmer, CV,  
max. input current 16A, max. 8A/channel,  
12V-48V DC, remote ceiling & built in

Art.Nr. 89453832-HS: 4-Channel LED Dimmer,  
CV, max. input current 16A, max. 8A/channel,  
12V-48V DC, SW&Dim Input (On/Off and  
Adjust Colour) , din rail mounting

## Additional Information and Equipment

DALI-Cockpit – free configuration tool from  
Lunatone for DALI systems

[http://lunatone.at/en/downloads/Lunatone\\_DALI-Cockpit.zip](http://lunatone.at/en/downloads/Lunatone_DALI-Cockpit.zip)

Lunatone DALI products

<http://www.lunatone.at/en/>

Lunatone datasheets and manuals

<http://lunatone.at/en/downloads/>

## Contact

Technical Support: [support@lunatone.com](mailto:support@lunatone.com)

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[www.lunatone.com](http://www.lunatone.com)



## Disclaimer

Subject to change. Information provided without guarantee.  
The datasheet refers to the current delivery.

The function in installations with other devices must be tested  
for compatibility in advance.