

## DALI RGB

### Datasheet

#### Control Gear

DALI LED Dimmer (CC)  
with 1 DALI address (DT8) for RGB  
LED luminaires

- Art. Nr. 86458913-100 (3x100mA)
- Art. Nr. 86458913-250 (3x250mA)
- Art. Nr. 86458913-350 (3x350mA)
- Art. Nr. 86458913-500 (3x500mA)
- Art. Nr. 86458913-700 (3x700mA)
- Art. Nr. 86458913-1000 (3x1000mA)

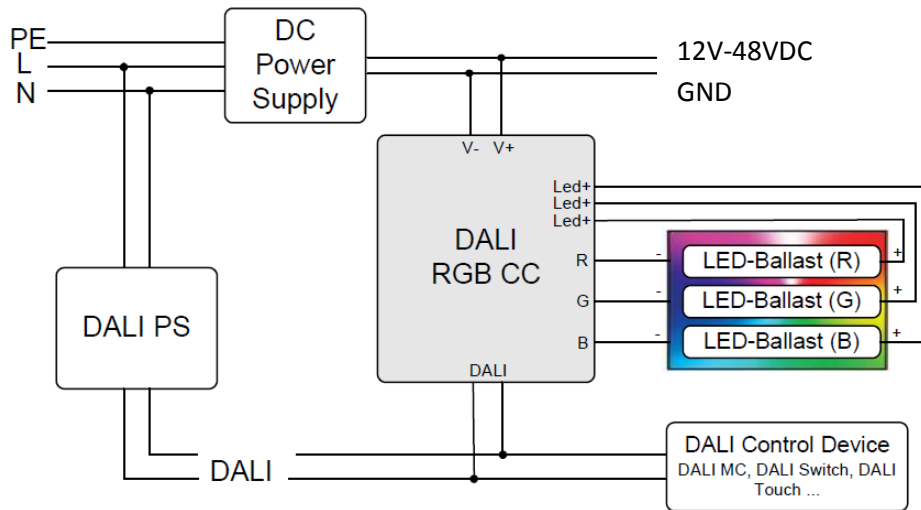
# DALI RGBW Control Gear

## Overview

- LED-Dimmer CC with RGBW colour control
- Direct control of constant current RGB LED-modules
- **The device is controlled via 1 DALI-address (DT8), for control via 3 addresses (one address per colour) use 3Ch LED Dimmer CC (Art.Nr. 89453846-xxx)**
- Colour control as defined in the DALI specification for device type 8, colour type RGBWAF
- Separated adjustment of brightness and colour (operating mode: Normalized, Unlinked).
- 2 types of housing, 4x100mA to 4x350mA in small housing, higher currents up to 4x1000mA in large housing
- On request other constant current values are as well available as colour specific current values (all in the range of 100mA to 1000mA per channel)
- **Type with common negative LED-connector => article number 86458913-xxx-GM**
- Supply voltage 12V to 48V DC
- Configuration via DALI-Cockpit and DALI USB interface
- short circuit protection

## Specification, Characteristics

Type	DALI RGB					
article number	86458913-100	86458913-250	86458913-350	86458913-500	86458913-700	86458913-1000
power supply	12VDC-48VDC			12VDC-48VDC		
maximum input current	3x100mA	3x250mA	3x350mA	3x500mA	3x700mA	3x1000mA
control input	3V-45V (at 48V supply)					
article number	DALI					
Number of DALI addresses	1 (DT8)					
temperature	-20°C-60°C					
Protection class	IP20					
state after power up	depending on DALI parameters					
max. connecting wire cross section	up to 2,5mm <sup>2</sup>					
geometry (L x W x H)	120mmx30mmx20mm			120mmx41mmx20mm		



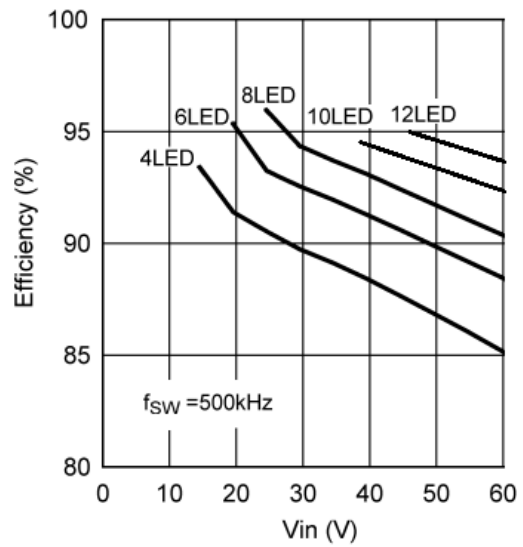
typical structure



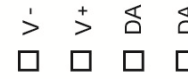
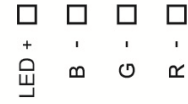
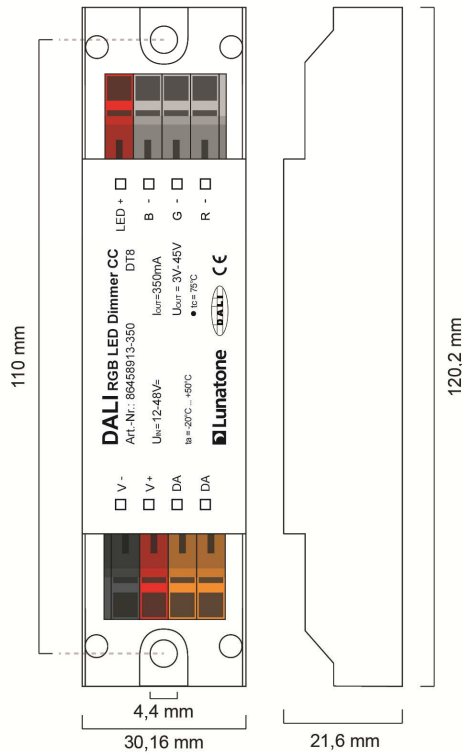
**Hint:**

For highest efficiency the input voltage should range between 3V and 10V above the LED-voltage:

- 4-6 LEDs: 24V
- 6-9LEDs: 36V
- 10-12 LEDS: 48V



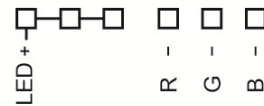
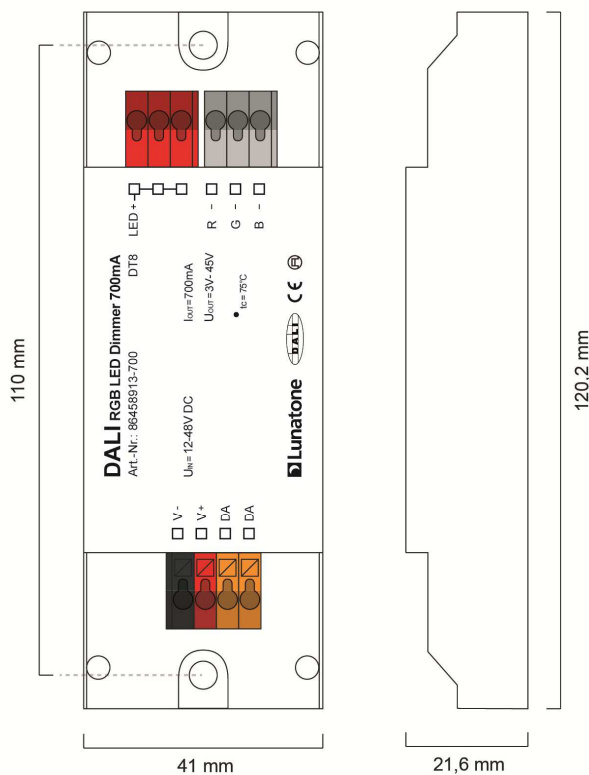
type for 3x100mA to 3x350mA output current:



Anschlussplan

Geometrie

type for 3x350mA to 3x1000mA output current:



Anschlussplan

Geometrie

## Purchase Information

article number: 86458913-xxx

xxx = value of constant current in mA:

100mA ... 1000 mA

DT8 LED-constant current dimmer for control of RGBW-modules via 1 DALI address (DT8)

**Type with common negative LED-connector:**

**article number: 86458913-xxx-GM**

## Additional Information and Equipment

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

<http://lunatone.at/de/dali-systeme/software/>

Lunatone DALI products

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

Lunatone datasheets and manuals

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

## Contact

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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.