Lunatone

DALI Dim2warm

Datenblatt

**DALI DT6 to 2 x DT6
converter for Dim2warm**

DALI-interface module for
the conversion of DT6 dimlevels
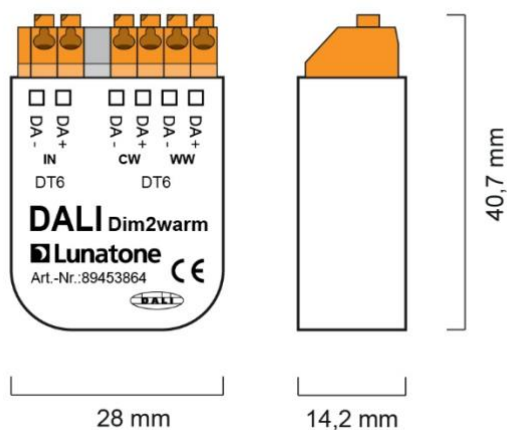to 2 DALI outpus

Art. 89453864
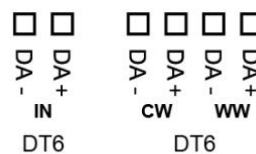
DALI Dim2warm Interface

Overview

- With only one DT6 DALI address, the Dim2Warm module allows the simultaneous control of brightness while changing the colour temperature.
- Usually: the lower the dimming value, the warmer the light.
- The behavior of the outputs can be adjusted individually.
- Separate outpus for coldwhite and warmwhite channel (factory default)
- Alternatively, this can also be used for e.g. direct and indirect lighting.
- Alternative output mode: dimlevels for coldwhite and warmwhite channel are sent to groups (G0 and G1)
- Easy system expansion with the help of DALI Expander, DALI Expander3 or RepeaterPS
- Configuration with PC-software tool DALI-Cockpit and DALI USB interface
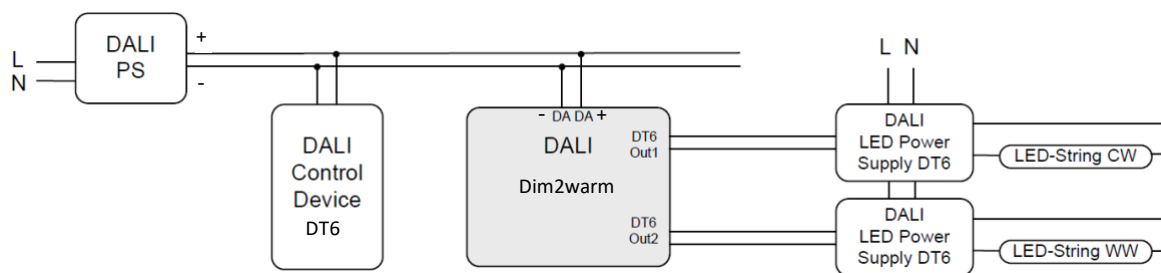
Specification, Characteristics

type	DALI Dim2warm
article number	89453864

electrical data:

control input	DALI
current consumption DALI	2mA + current consumption subnet (max 6mA)
output	2xDALI
Number of DALI addresses	1 (DT6)

technical data:

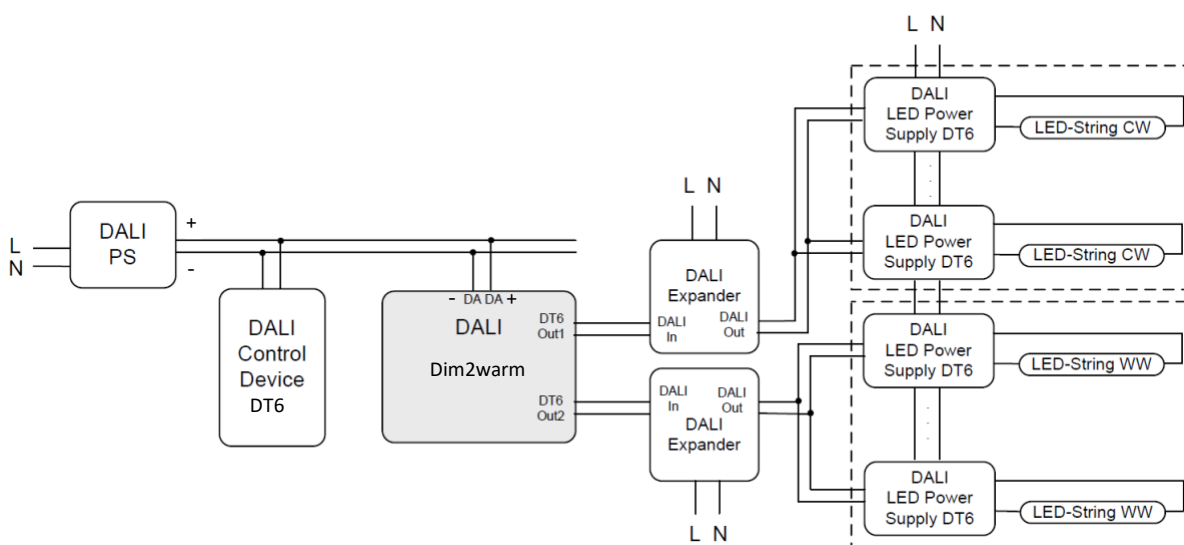|	
behaviour after power on	configurable via DALI
storage/transportation temperature ta	-20°C-75°C
operational ambient temperature	-20°C-60°C
protection class	IP20
Maximum connecting wire cross-section	1.5 mm^2
mounting/housing	back box
dimensions (LxWxH)	40mm x 28mm x 14mm

![Lunatone logo]

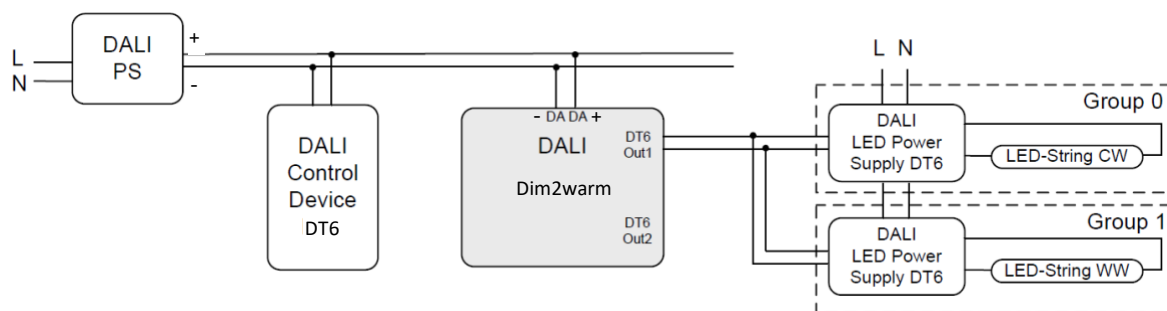dimensions DALI Dim2warm

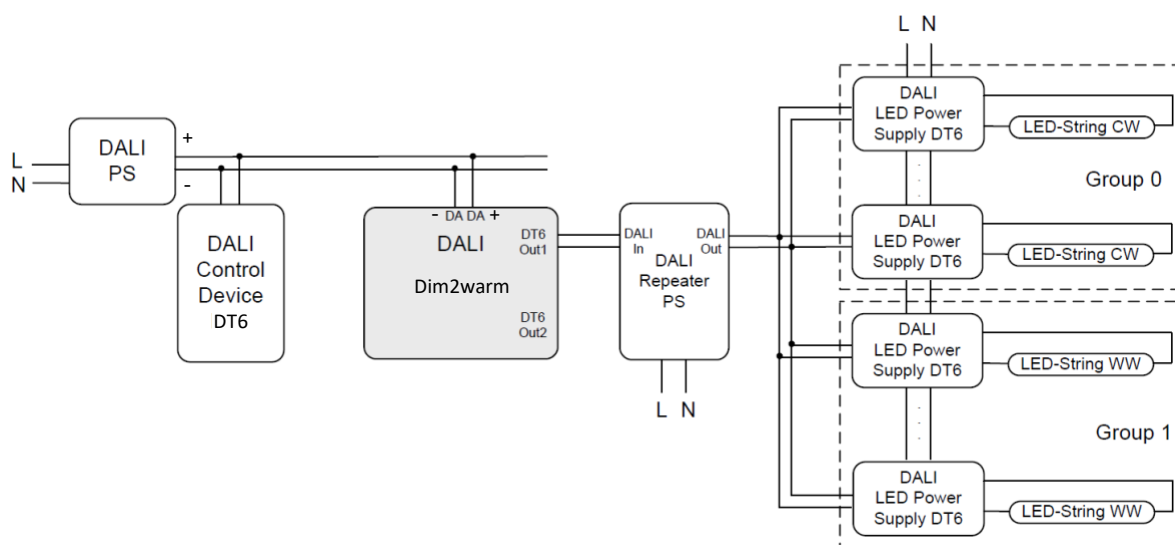connection plan DALI Dim2warm

Application example: CW and WW channel on separated outputs

Application example: CW and WW channel on separated outputs, DALI-Expanders are used for increasing the number of LED power supplies

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DALI Dim2warm

Application example: CW and WW on same output: the LED power supplies must be assigned to group G0 (for CW) and G1 (for WW)

Application example: CW and WW on same output: DALI Repeater with integrated bus power supply is used for increasing the number of LED power supplies

Installation

The device is supplied by the DALI-signal line. The current consumption depends on the number of connected DALI ballasts. The own consumption is 2mA.
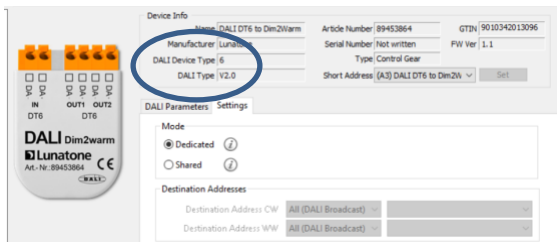
> **Attention**: the polarity of the DALI connections must be taken into account.

If more dimmers should be connected to the output, the number of led power supplies can be increased easily with the help of DALI Repeater PS, DALI Expander or DALI Expander 3.

Function

The DALI Dim2warm converter represents one control gear on the DALI-line (DT86). Dimming commands sent to the device's DALI address, will be converted to dim levels for 2 separate DALI outputs (cold white and a warm white channel).

How the dim levels are put out can be adjusted with the DALI-Cockpit Software. Go to the tab "Settings" section "Mode":

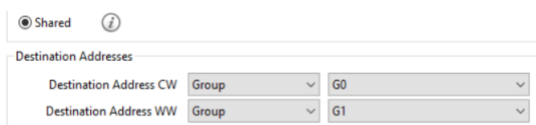There are two possible output modes "Dedicated" and "Shared":

Dedicated:
output 1 (OUT1): cold white values
output 2 (OUT2): warm white values
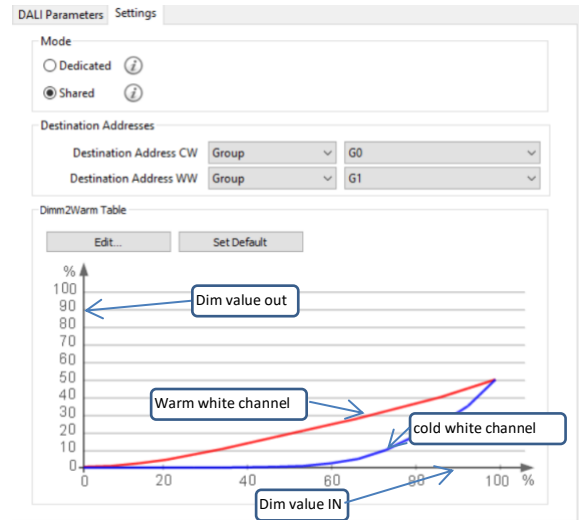(Factory setting)

Shared:
Warm white and cold white levels are sent to both outputs.

Target addresses for these values can be set in the section "Destination Addresses":
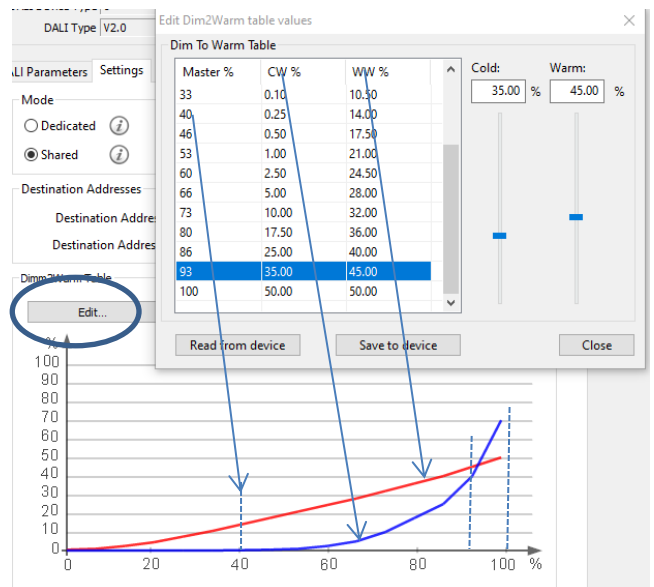

In the section "Dim2warm Table" the curve for the two outputs is visualized and configurable:

The curve is defined by 16 points, whereby the corresponding output dimming values are assigned to an input dim value. In between, the dimming values are linearly interpolated.

The curve can be configured -> click on "Edit" button:

DALI Dim2warm

Purchase Order Information

Art.Nr. 89453864: DALI Dim2warm
Converter DALI in DT6 to 2 x DALI broadcast
out DT6 (warm/cold white), configurable
curve
back box 40 x 28 x 14mm

Additional Information and Equipment

DALI Cockpit - free configuration software for
DALI systems
https://www.lunatone.com/en/product/dali-cockpit/

Lunatone DALI products
https://www.lunatone.com/en

Lunatone Datenblätter und Manuals
https://www.lunatone.com/en/download s-a-z/

Contact

Technical Support: support@lunatone.com

Requests: sales@lunatone.com

www.lunatone.com

Disclaimer

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

The compatibility with other devices must be tested in advance
to the installation.