

LED DALI PWM Dimmer RGB - User Manual



Item no.: LC-004-013

1. Product Description

Der DALI PWM Dimmer RGB is a 3 Channel Dimmer and suitable to control RGB constant voltage LED's with common anode, via DALI signal.

A special feature of the dimmer is the compact design and the high output power.

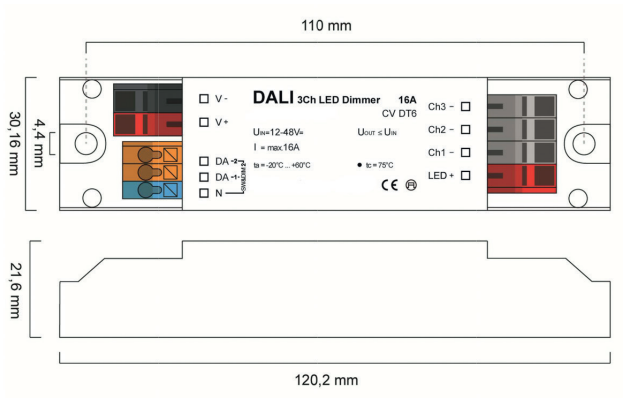
2. Specifications

Input Voltage	12-24DC
Max. Input Current	16A
Max. Output Current	3 Channels with total max. 16A
Control Input	DALI
max. wire cross section	max. 2,5mm ²
Product Dimensions (L x W x H) in mm	120 x 30 x 21mm
Weight	50g

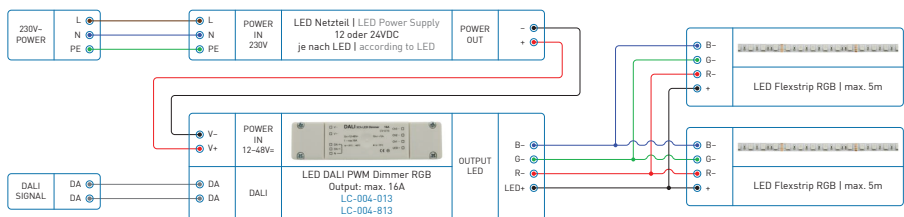
3. Basic Features

1. Power Supply 12-24DC
 2. LED-Dimmer with RGB adjustment.
 3. The device is being controlled via a single DALI address (DT8).
 4. Control of three PWM-terminals for red, green and blue via DALI (DT8, colour reproduction RGBWAF). Separated adjustment of brightness and colour.
 4. Configuration via DALI-Cockpit software tool and DALI USB interface.
 5. The maximum input current can be distributed at will on the channels, however the sum must not exceed the maximum input current.
- 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.

4. Dimensions



5. Wiring diagram



6. Safety warnings

- 6.1. To avoid installed the product in minefield, strong magnetic field and high voltage area.
- 6.2. To ensure the wiring is correct and firm avoiding short circuit damages to components and cause fire.
- 6.3. Please install the product in a well ventilated area to ensure appropriate temperature environment.
- 6.4. The product must be worked with DC constant voltage power supply.
Please check the consistence of input power with the product, if the output voltage of the power comply with that of the product.
- 6.5. Connect the wire with the power on is forbidden. Ensure proper wiring first then check to ensure no short-circuit, then power on.
- 6.6. Don't repair it by yourself whenever an error occur. Contact the supplier for any inquiry.