1. Product description

Qbus offers a range of high-quality LED strips working on 24VDC and 48VDC. They can be perfectly controlled by Qbus modules in stand-alone version or via the bus system. The LED strip is packed in an antistatic package and rolled on a reel.

We developed this LED strip with 48 Volt voltage, to increase the ease of installation. Higher powers, longer distances and longer LED strips are therefore possible. At the same time, we have opted for the best possible LED in function of light quality. The high numbers of LEDs ensure a nice spread of light. By adding extra components, we also have the power under control, so that when using the correct power source (48V) no overcurrent is possible.

The LS48/18.RGBW color LED strip can be colored controlled via a DMX controller or via our constant voltage dimmer CVD04S. Both devices can be connected to the bus and can be part of a fully controlled home automation system.

The LED strip has 90 LED's per meter to ensure homogeneity of the emitted light. Low current per LED in combination with power limiters, ensures lower temperature and overcurrent protection to ensure a long life.

The strip length is 10m and can be used from both sides and cut to the desired length in steps of 16,66 cm (15 LED's). A long connection cable is provided on both sides. The LED strip has a 3M adhesive tape type 300LSE. This strong adhesive tape is extremely suitable for this application, due to its high adhesive strength, even at high temperatures.

2. Safety rules

Read the complete manual before installing and powering on the LED strips.

3. Dimensions, mounting and wiring

Dimensions

Mounting

The LED strip has to be mounted on an aluminum profile that dissipates heat in a sufficient way. To prevent static discharge on the components, the installer must touch a grounded object on a regular basis.

The LED strip must be mounted in an aluminum profile. For installation with limited heat emission, at least 30mm aluminum profile must be used. Never exert great force on the LED strip, as well as avoiding tension and too short bending radius.

Wiring
LED STRIP LS48/18.RGBW

4. Technical data

LS48/18.RGBW

- Length: 10m
- LED’s per m: 90
- Cutting: every 16.66cm / 15 LED’s at designated cut points
- Power consumption: 18W/m
- Constant Current technology powered by Constant Voltage: 48VDC
- CRI: 80 (RGBW)
- Operating temperature: -20 to +50 °C
- Input voltage 48VDC
- Dimensions: 10000 x 12 mm

Electrical safety

- In accordance with EN60950 – 1: 2006
- Non-toxic, in accordance with WEEE/RoHS

5. Guarantee provisions

Period of guarantee: 5 years from date of delivery. Guarantee will not be accepted if the device has been opened!

Faulty units should be sent postage-free with a description of the defect to our central customer service center:

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