



## Description

LFXC077XPWMBTT is a Bluetooth controllable, four channel PWM dimmer for constant voltage LED loads, such as LED strips and constant voltage LED modules. It is connected between a 12-24 VDC power supply and the constant voltage LED load.

LFXC077XPWMBTT can control up to four channels making it an ideal partner for RGBW and tunable white applications. The maximum combined output current is 6 A which can be freely divided between 1-4 channels. LFXC077XPWMBTT is protected against overvoltage, overcurrent and short circuit situations.

LFXC077XPWMBTT can be controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store.

Different Lafit bluetooth enabled products can be used from a simple one luminaire direct control to a complete and full featured light control system where up to 127 units form automatically an intelligent mesh network.

## Installation

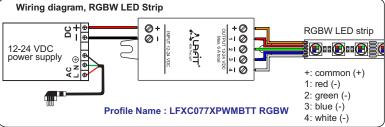
Connect a constant voltage 12-24 VDC power supply to the input connector. Make sure not to use a constant current LED driver and make sure that the cable polarity is correct.

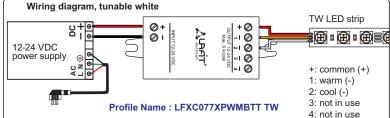
The product has one shared positive output connector (+) and each of the four channels have its own negative connector (-). This is the most typical case with multichannel LED strips. Connect the LED load wires accordingly.

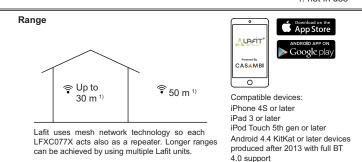
LFXC077X... can be configured having different types of outputs, such as 4 channel RGBW, 3 channel RGB and 2 channel TW. Also, it is possible to configure 1-4 jointly and individually dimmable channels. These configurations can be made by the end user from Casambi App.

As default, LFXC077XPWMBTT is delivered with RGBW configuration

LFXC077XPWMBTT, as any other Lafit bluetooth product, should not be placed in a metal enclosure or next to large metal structures. Metal will effectively block all radio signals which are crucial to the operation of the product.







<sup>1)</sup> Range is highly dependant on the surrounding and obstacles, such as walls and building materials.

## Technical data

Input

12-24 VDC Voltage range: Max. input current: < 0,3 W No-load standby power:

Output voltage: same as input voltage Max. output power: 144 W @ 24 VDC 72 W @ 12 VDC

Max. output current: 6 A (can be freely divided

between the channels) Min. load requirement:

Pulse Width Modulation (PWM) Dimming method:

Radio transceiver

Operating frequencies: 2,4...2,483 Ghz Maximum output power:

Operating conditions

Ambient temperature, ta: -20...+45°C Max. case temperature, tc: +75°C Storage temperature: -25...+75°C Max. relative humidity: 0...80%, non-cond.

Connectors

Wire range, solid & stranded: 0,75 - 1,5 mm<sup>2</sup> 14 - 22 AWG Wire strip length: 6 - 7 mm Tightening force: 0.4 Nm Maximum input cable length: 3 m

Mechanical data

ate

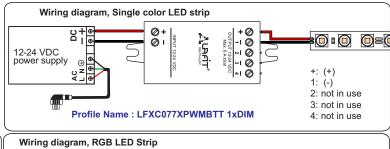
Dimensions: 72.6 x 30.0 x 18.0 mm

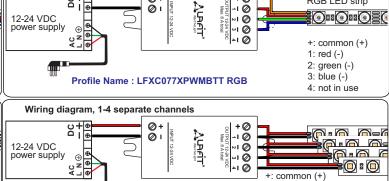
Weight:

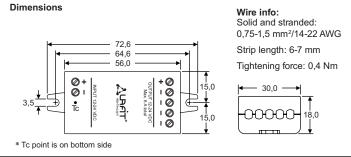
Ø١

Profile Name: LFXC077XPWMBTT 4xDIM

23 g IP20 (indoor use only) Degree of protection:







1: channel 1 (-)

2: channel 2 (-)

3: channel 3 (-)

4: channel 4 (-)

RGB LED strip