LFXC075X150BTT

Bluetooth controllable triac dimmer

Warning!
Hazardous voltages. Risk of electric shock or fire. Only qualified professionals should make the connections. Disconnect the mains power supply and verify its absence prior to installation.

Description

LFXC075X150BTT is a Bluetooth controllable, trailing-edge dimmer for operation of triac dimmable LED lights. It can be installed behind a traditional wall switch, inside a luminaire or into a ceiling outlet box. Maximum allowable ambient temperature must be observed.

LFXC075X150BTT is able to control up to 150 W at 230 VAC. It features an overcurrent and over temperature protection.

LFXC075X150BTT can be controlled with Mobile app, available for iOS and Android devices. The mobile app can be downloaded free of charge from Apple App Store and Google Play Store.

Different Lafit bluetooth enabled products can be used as 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

Make sure that the mains voltage is switched off when making any connections. Use 0,5-1,5 mm² solid or stranded conductor electrical wires. Strip the wire 6-8 mm from the end.

Press the buttons on top of the dimmer case and insert the wires to the corresponding holes. Make sure to connect the input and output correctly. Input connector is marked with letters L and N, while the output connector is marked with letter N and a symbol with a wave and an arrow (⏦).

If you install the dimmer into a heat sensitive environment (i.e. inside a luminaire or in a ceiling outlet box above a luminaire), make sure that the ambient temperature does-not exceed the specified maximum value. Using the dimmer in a heat sensitive environment may limit the maximum output power.

WARNING!

Using LFXC075X150BTT with maximum load can make it operate very hot. Make sure to place the product in a well-ventilated space and away from any flammable materials.

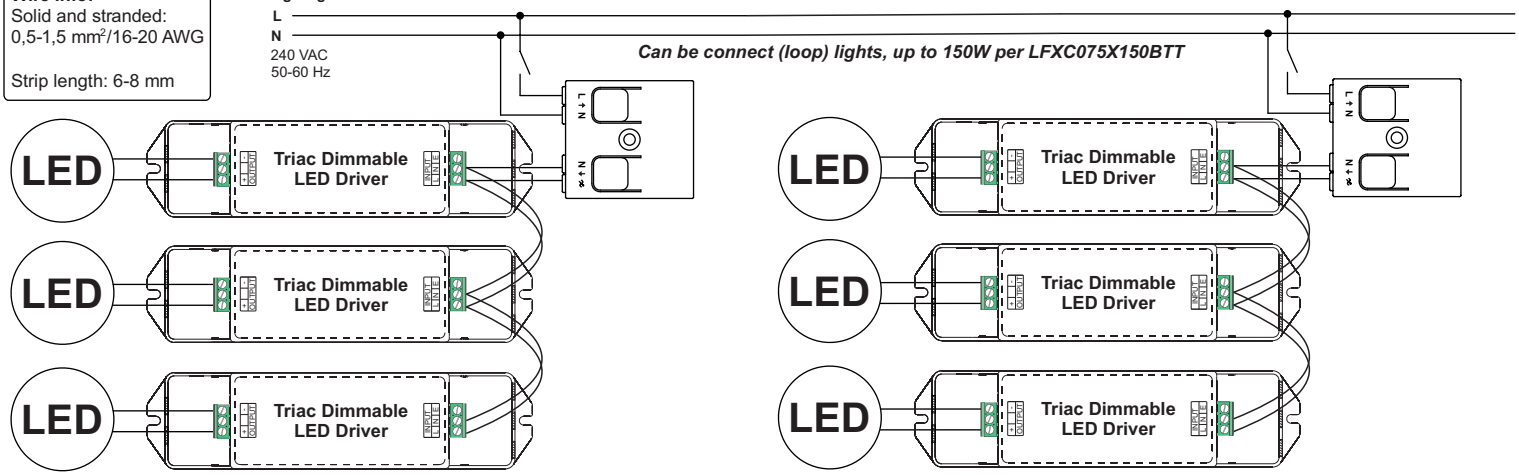
Technical data

Input	
Voltage range:	85-240 VAC
Frequency:	50-60 Hz
Max. mains current:	0,65 A
No-load standby power:	< 0,3 W
Output	
Dimming method:	trailing-edge phase control
Max. output power:	150 W @ 230 VAC
Max. output current:	0,65 A
Min. load requirement:	1 W
Max. inrush current:	10 A, 100 ms
Radio transceiver	
Operating frequencies:	2,4...2,483 Ghz
Maximum output power:	+4 dBm
Operating conditions	
Ambient temperature, ta:	-20...+45°C
Max. case temperature, tc:	+75°C
Location of tc point:	bottom side, underneath output connector
Storage temperature:	-25...+75°C
Max. relative humidity:	0...80%, non-cond.
Connectors	
Wire range, solid & stranded:	0,5-1,5 mm² 16-20 AWG
Wire strip length:	6-8 mm
Mechanical data	
Dimensions:	40.4 x 36.3 x 14.0 mm
Weight:	15 g
Degree of protection:	IP20 (indoor use only)

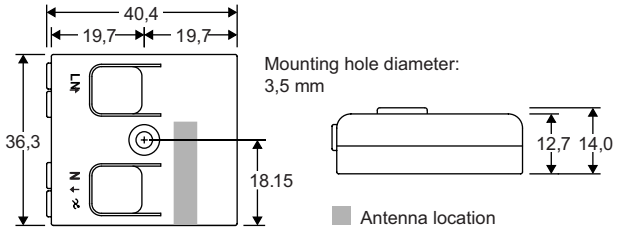
Wire info:
Solid and stranded:
0,5-1,5 mm²/16-20 AWG

Strip length: 6-8 mm

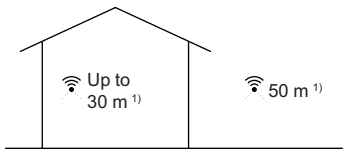
Wiring diagram



Dimensions



Range



Lafit uses mesh network technology so each LFXC075X150BTT acts also as a repeater. Longer ranges can be achieved by using multiple Casambi units.

Download on the App Store
ANDROID APP ON Google play

Compatible devices:
iPhone 4S or later
iPad 3 or later
iPod Touch 5th gen or later
Android 4.4 KitKat or later devices produced after 2013 with full BT 4.0 support

Range is highly dependant on the surrounding and obstacles, such as walls and building materials.

Load suitability

Type of load	Max. load
Trailing edge (Triac) dimmable LED Lights	150 W
Non-dimmable Lights	Not allowed

Never connect inductive loads, such as iron core transformers. This could cause permanent damage to the dimmer. Do not mix different types of loads.

Information in this document is subject to change.