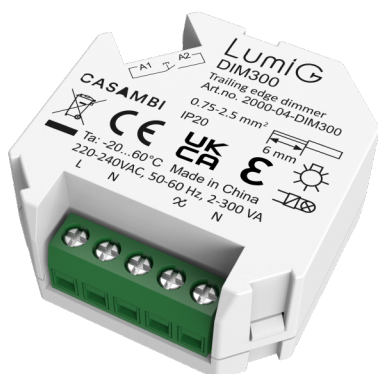


DIM300

Casambi Ready Dimmer Preliminary Datasheet

Part number: 2000-04-DIM300

LumiG



Description

DIM300 is a Casambi Ready trailing edge dimmer with a potential free switch input. The minimum and maximum brightness level can be adjusted.

It has a small form-factor (45 x 45 x 22 mm) suitable for installing behind a traditional wall switch, into a luminaire or inside a ceiling outlet box.

DIM300 is fully Casambi compatible and can be a part of Casambi mesh network with up to 250 devices in one network. It can be controlled wirelessly by an Android and iOS device. The Casambi app can be downloaded free of charge from Apple App Store on Google Play Store.

Wiring



Wiring information

Mains supply wire range 0,75-2,5 mm².

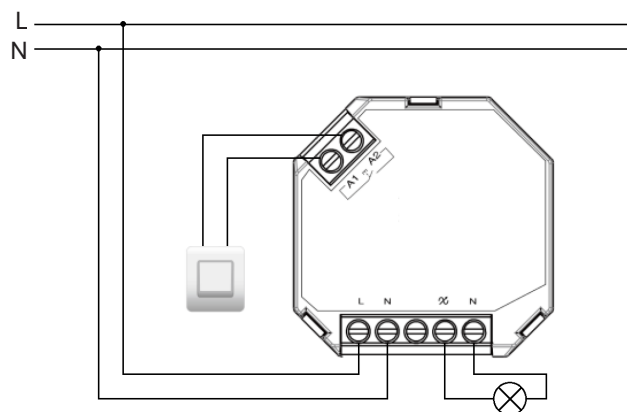
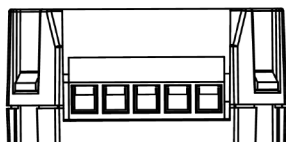
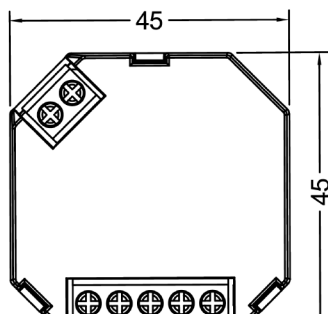
Strip the wire 6 mm.

Use only one wire per terminal pole.

Caution!

Do not connect inductive loads, such as iron core transformers or electric motors. This could cause permanent damage to the dimmer. Do not mix different types of loads.

Dimensions



Load wattage

DIM300 is specified for 300 VA. When connecting a capacitive load to it, such as LED driver, make sure to verify the load's power factor (PF) and take it into account when determining the maximum load.

Example:

LED driver's power factor is 0,9.

The maximum wattage in that case is:

$$PF\ 0,9 * 300\ VA = 270\ W$$

Technical data

Input

Input voltage	220-240 VAC
Mains frequency	50-60 Hz
Max. input current	1,36 A
Protection class	Class II

Output

Max. load power	300 VA*
Min. load power	2 VA
Dimming method	Trailing Edge
Dimming range	0,1-100%

* Load's Power Factor must be taken into account.
See Load wattage for more information.

Mechanical

Dimensions	44 x 45 x 22 mm
Protection degree	IP20
Wire range	0,75-2,5 mm ²
Wire preparation	Strip 6 mm

Radio

Frequency range	2 402-2 480 MHz
Max. transmit power	+8 dBm

Environmental and lifetime

Ambient temperature, ta	-20...+40°C
Storage temperature	-20...+70°C
Relative humidity	0-80 %, non-cond.
Lifetime	up to 50 000 h