

Bluetooth Phase Cut Dimmer

Article code: 214-218

Features



Technical Data

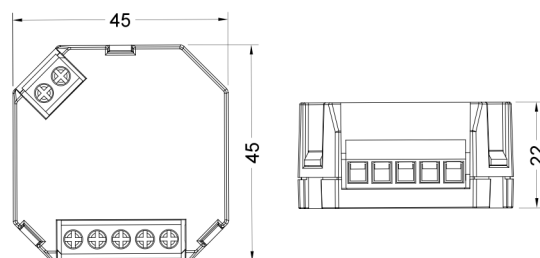
Input voltage	220-240 VAC, 50/60 Hz
Max. input current	1.36 A
Min. load wattage	2 W
Max. load wattage	Incandescent lamps 300W, LED lamps 180W*
Control system	CASAMBI
Control mode	Bluetooth 5.0
Frequency band	2.4 GHz
Wireless range*	70m (Open Space)**
Dimming method	Trailing Edge
Dimming range	0-100%
Ambient temperature ta	-20~+40 °C
Storage temperature	-20~+70 °C
Relative humidity	0-80 %, non-condensing
IP rating	IP 20
Lifetime	Up to 50,000 h
Material	PC body
Dimensions (LxWxH)	45x45x22 mm

Important installation notes:

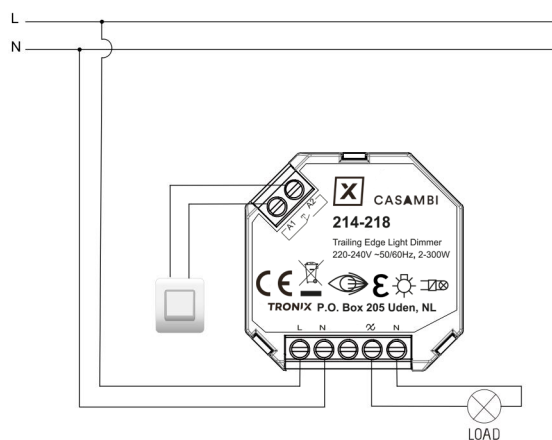
- The maximum load capacity of the dimmer depends on the power factor (pf) of the connected LED load. For example, with a pf of 0.9, the maximum load is approximately 270 W
- Do not connect inductive loads (e.g. iron-core transformers); this may cause permanent damage to the dimmer.
- Avoid mixing different types of loads on one dimmer channel.
- Compatibility with LED loads
Due to variations between LED driver designs, the following effects may occur with certain brands or models:
 - Lights may flicker, pulse when off, or not switch off completely. To improve stability in such cases, we recommend installing an AcTEC Load By-Pass module (item no. MBP) between load and neutral.
- Wireless range
The signal range strongly depends on surrounding materials and wall thickness. Obstacles such as concrete, metal structures, or insulation can reduce transmission performance.

- CASAMBI BLE 5.0 controllable trailing edge dimmer
- Compact size for easy installation in the junction box for a conventional push switch or in the junction box on the ceiling or inside a luminaire.
- Push dim function
- Fade-in Fade-out function provide a comfort experience in daily use
- Minimum and maximum brightness levels can be set
- Easily integrated into a CASAMBI mesh network

Dimensions (mm)



Wiring Diagram



Wire preparation:

PR1: 0.75-2.5



Standards

Safety	EN 60669-2-1
EMC	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547
RF	EN 300328
Radio	IEEE 802.15.1