

**Radium**



## **SMART Blue – Trailing Edge Dimmer Fact Sheet**



## Description

BCU-TED is a Casambi enabled high quality trailing edge dimmer for dimmable mains voltage powered loads. It can be installed behind a traditional wall switch, into the casing or in the ceiling connection of a luminaire.

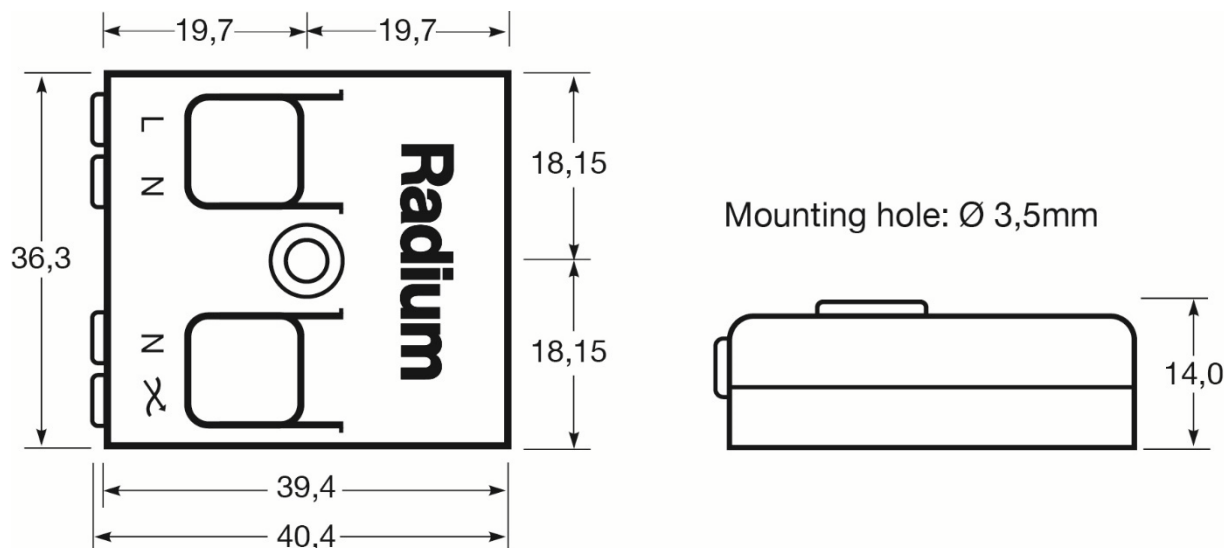
## Features

- Forms automatically a wireless mesh network with other SMART Blue products, thus, the Bluetooth range will be extended and the user only needs to connect with one SMART Blue device
- Wireless control with a Casambi app (available in Apple Store or Google Play free of charge) for smartphones and tablets
- Employs the traditional wall switch for dimming and scene control

## Casambi App

- Dimming of one single or multiple luminaires with simple touch moves
- Control luminaires directly via a picture of your shop, offices or personal rooms
- Set up scenes containing several luminaires. It is possible to create up to 255 different scenes with up to 127 Casambi units in each scene. All luminaires in one scene can have different lighting levels, colours or colour temperatures.
- Use timer function to turn on and off scenes at pre-defined times.
- Define the security of the network. There are four different security levels for access control.

## Dimensions



## Load Compatibility

Type of Load	Compatibility	Comments
High voltage halogens, max. load 150W	<div></div>	
High quality dimmable	<div></div>	Dimming quality depends on LED light source only 1)
LED bulbs, max. last 150W	<div></div>	Dimming quality depends on LED light source only 1)
Dimmable ESL light sources, max. last 150W	<div></div>	Dimming quality depends on LED power supply unit only
LED power supplies, dimmable by leading edge phase cut dimmers max. load 50W 1)	<div></div>	
Luminescence lamps, non-dimmable	<div></div>	Not supported
LED und ESL light sources	<div></div>	
Coil transformers, electric motors	<div></div>	Not supported. May lead to irrevocable damages.

1) The behaviour of the load and the minimal dimming level depends on LED/ESL driver.

## Technical Data

Power IN	
Mains voltage range	85-240 VAC
Frequency	50-60 Hz
Max. current drain	0,65 A
Power OUT	
Max. output power	150 W 230 VAC 70 W 110 VAC
Max. output current	0,65 A
Minimum load	1 W
Max. current pulse	14 A
Radio transceiver	
Operating frequency	2,4...2,483 Ghz
Max. transmission power	+4 dBm
Operating conditions	
Environmental temperature (t <sub>a</sub> )	-20...+45 °C
Max. case temperature (t <sub>c</sub> )	+65 °C
Storage temperature	-25...+75 °C
Max. relative air moisture	0...80%, nicht kond.
Connecting terminals	
Cross section (stiff und flexible)	0,5-1,5 mm <sup>2</sup> 16-20 AWG
Skinned cable length	6-8 mm
Mechanical Data	
Dimensions (in mm)	40,4 x 36,3 x 14,0
Weight	15 g
Type of protection	IP 20

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