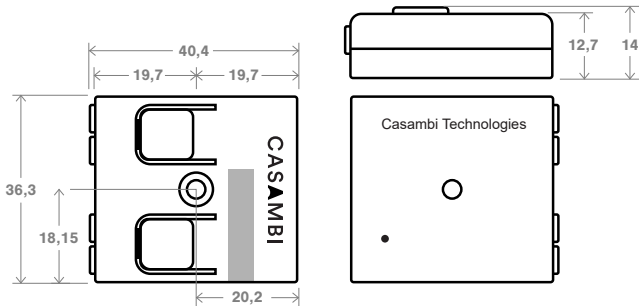





## DIMENSIONS (IN MM)

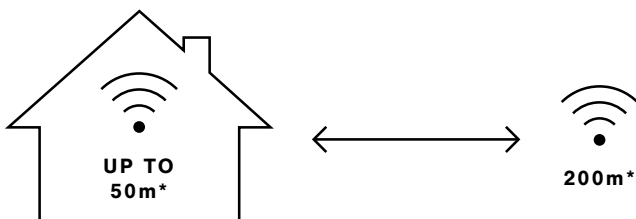


\*t<sub>c</sub> point is on bottom side •  
 Antenna location

Mounting hole diameter 3,5mm

## RANGE

The communication range in radio technology may ultimately vary depending on the design of the product in which the antenna is housed and on the environment in which it operates. In practice, this means a well-designed product from a radio point of view, with a good line of sight connection between nodes, can achieve radio coverage up to 50 meters indoors, and, in theory, up to 200 meters in the open air. Casambi uses a mesh network technology, whereby each Casambi unit, or Casambi Ready product, also acts as a repeater. Hence, longer ranges can be achieved by using multiple Casambi products within the network.



\*The wireless range of a Casambi unit is dependent on several factors; how it has been integrated into a luminaire, where it has been installed; taking into consideration surrounding obstacles such as walls and other building materials that may block signals.

## CASAMBI MESH-NETWORK COMPATIBILITY

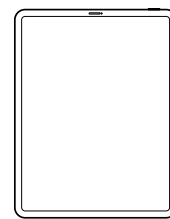
There are different radio modes that can be selected when creating a network in the Casambi App: 'Balanced', 'Better Performance' and now 'Long Range' options. The CBU-TED-LR enables long-range capabilities only when the long-range radio mode has been selected and all the other devices within the network are long-range capable. It will revert to the shorter, standard range when deployed in networks set to 'Balanced' or 'Better Performance' modes.

## COMPATIBLE DEVICES



Compatible devices: Android and iOS Operating Systems.

We support the latest OS versions for Android and iOS, and their last two major versions respectively.



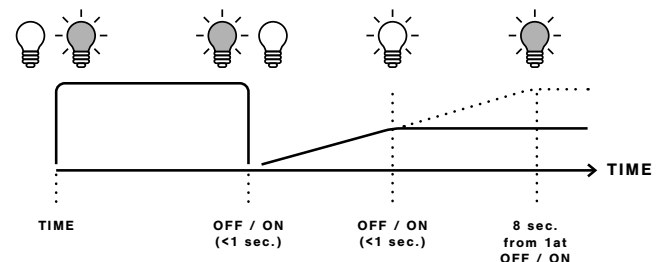
Tablets



Smartphone



## DIMMING WITHOUT APP




1. Turn lights on from a wall switch.
2. Quickly flick the wall switch off (max. 1sec.) and back on. The light level starts to increase gradually.
3. Flick the switch again at the desired dim level. The selected level is saved automatically.
4. If the second flick is not done within 8 seconds, the light intensity reaches its maximum level.
5. Flicking the switch can also be used to switch between predefined scenes.

**TYPE OF LOAD**





**MAX. LOAD**

Incandescent and high-voltage halogens _____	100 W
Dimmable LED bulbs (C) <sup>1)</sup> _____	100 W
Dimmable CFL bulbs (C) <sup>1)</sup> _____	100 W
Trailing edge dimmable LED drivers <sup>1)</sup> _____	100 W
Low voltage halogens with electronic transformers _____	100 W
High voltage AC LED modules <sup>1)</sup> _____	100 W
Wire wound transformers, electric motors and other inductive loads _____	<b>Not allowed</b>
Non-dimmable fluorescent lamps, LED and CFL bulbs _____	<b>Not allowed</b>

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

<sup>1)</sup> Dimming quality depends solely on the load electronics. Do not mix different types of bulbs or loads. Some luminaires may flicker at low dimming levels.

**WARNING!**

-  Using CBU-TED-LR with maximum load will make it hot.
-  Make sure to place the product in well-ventilated space and away from any flammable material.
-  Maximum allowable ambient temperature must be observed.
-  Changes or modifications not expressly approved by Casambi Technologies Oy could void the user's authority to operate the equipment.

**INSTALLATION**

Make sure that the mains voltage is switched off before making any connections. Use 0,5–1,5 mm<sup>2</sup> solid 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 into the corresponding terminals. Make sure to connect the input and output correctly. The input connector is marked with letters L and N, while the output connector is marked with the letter N and a symbol with a wave and an arrow. If you install the dimmer in a heat-sensitive environment (e.g. 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.

When the Smart Switching feature is enabled with the Casambi App, the CBU-TED-LR can control the connected luminaire according to the mains switching sequence.



**FIXTURE PROFILES**

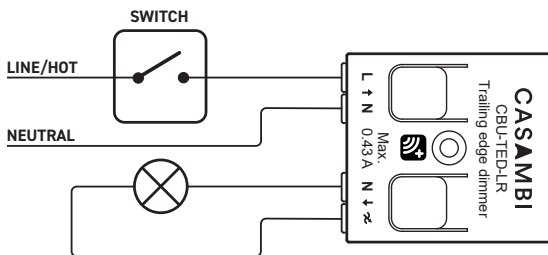
Profile#	Profile name / in app description	Description	Wiring
526*	CBU-TED	Trailing edge phase cut dimmer for 50/60Hz load. Light level is controllable with a slider in the Casambi App.	1
11766	CBU-TED (Linear)	Trailing edge phase cut dimmer for 50/60Hz load. Light level is controllable with a slider in the Casambi App.	1
8123	CBU-TED (Log)	Trailing edge phase cut dimmer for 50/60Hz load. Light level is controllable with a slider in the Casambi App.	1
3534	CBU-TED Presence	CBU-TED-LR acting as a presence sensor or Bluetooth enabled switch. The fixture provides presence information to the mesh network when the CBU-TED-LR is powered up.	2A, 2B

\* Default profile

**WIRING DIAGRAMS**

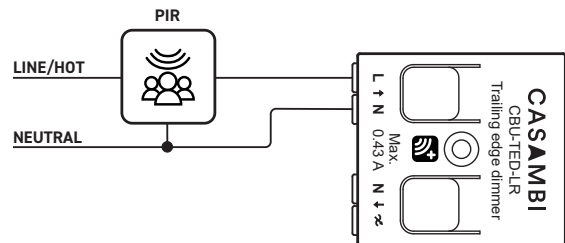
Each CBU product can operate in various roles according to the chosen profile. It is possible to change the profile of an unpaired device using the Casambi App. Above are listed the fixture profile options for the CBU-TED-LR.

**1.**



Max. load inrush current = 10A, 100ms

**2A.**



**2B.**

