

# LASCON® BLUETOOTH

## basicDIM Wireless

The intuitive path towards wireless luminaire communication



Bluetooth Wireless control technology allows versatile and professional interaction with all luminaires within an area - fully intuitive and with no additional wiring required.

**The most robust, cost effective and future proof wireless lighting control solutions.**

### Hassle-free wireless

Up to 127 light points can be conveniently controlled via Bluetooth: switching on and off as well as dimming functions are just as simple as grouping luminaires and creating lighting settings. Tuneable white luminaires change their colour temperature to suit the user and the direct and indirect light content are simple to adjust. All the elements for integrating sensors are also in place.

### Bluetooth offers a series of benefits:

- Economical wireless alternative to DALI.
- A wireless lighting control solution for existing installations.
- All programming, commissioning and user control is done through your smart devices such as cell phones and tablets. iOS and Android compatible.
- Up to 127 Bluetooth devices can be controlled through the following scenarios:
  - o Individual luminaire control
  - o Luminaire group control
  - o Multiple scene selections
  - o Colour changing and hue selection
  - o Tuneable white light control (circadian rhythm)
  - o Scheduling using calendar and time
- Bluetooth is not an interest dependent system

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### Bluetooth Low Energy

The Casambi solution is based on the state-of-the-art wireless technology. All modern smartphones, tablets and smart watches are using this technology.

### Connected

The Casambi devices are connected when needed, without Internet connection. All Casambi modules automatically create a wireless mesh network.

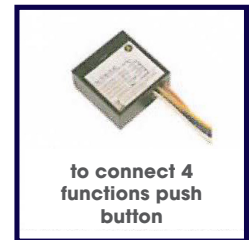
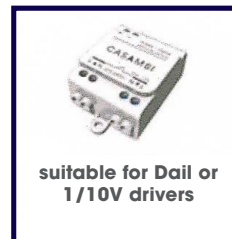
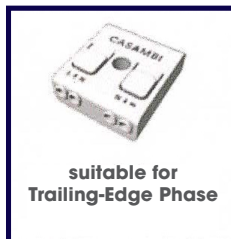
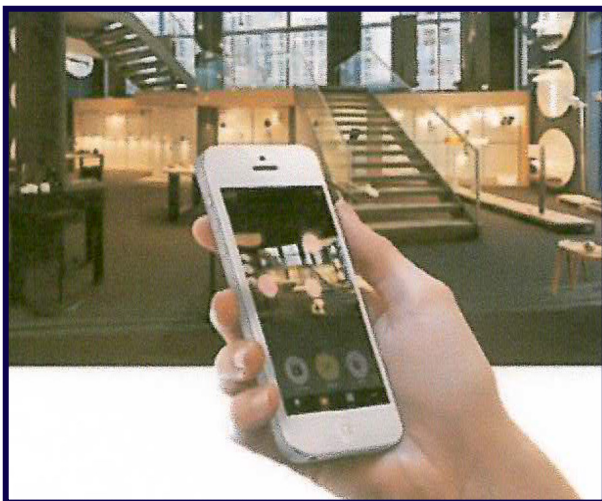
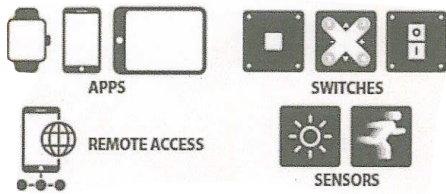
### Easy to setup

The system is intuitive. You do not need any new wiring, switches, devices or networks. Plug in the lighting fixture and pair it with your phone or tablet. No other configurations by a professional technician would be needed, just use the app.

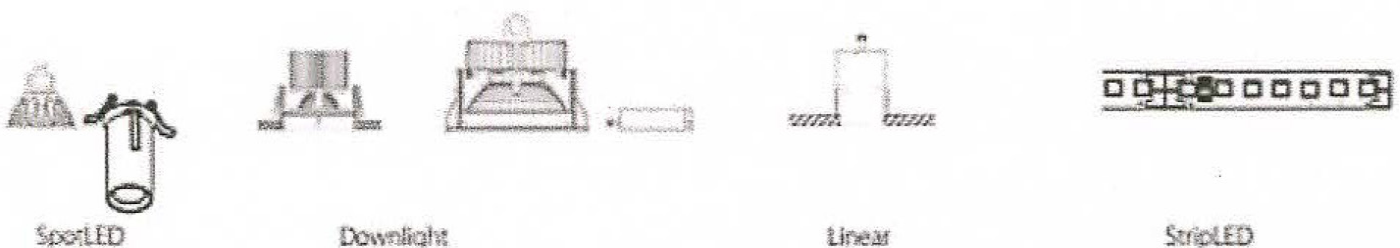
### Easy to use

Use your app or wall switches for dimming, changing colour, colour temperature, controlling one scene with multiple luminaires or switching through multiple scenes.

### Made in Europe

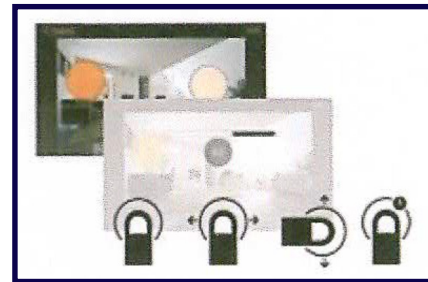


Suitable for Trailing-Edge Phase, Dali, 1/10V drivers, PWM for Linear LED



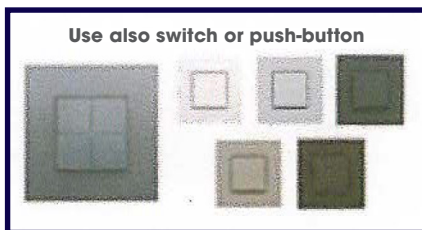
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APP connected with Bluetooth Low Energy

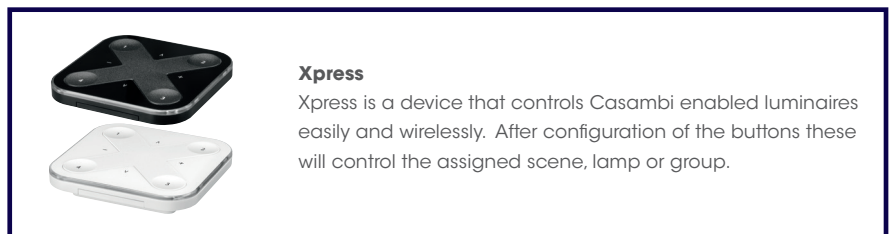


### Intuitive Apps

Easy setting and usage. Take a picture of the room and identify lights



CASAMBI CAN BE USED BOTH WITH APP AND WALL SWITCH TO CONTROL LIGHT.



### Xpress

Xpress is a device that controls Casambi enabled luminaires easily and wirelessly. After configuration of the buttons these will control the assigned scene, lamp or group.

## User-friendly

Control the spotlights through an intuitive user interface, directly from your smartphone or tablet.

- ▶ **User friendly basic gestures**  
Tap to turn on/off, pan left/right to dim, up/down to change color temperature, hold on to change the color and save colors to the palette.
- ▶ **Find your lamp easily with a picture.**  
Just click on the pictures previously saved to control your lamps.
- ▶ **Remote access feature**  
Control Casambi enabled luminaires remotely through internet access.

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Lighting can be managed by traditional wall switches. Casambi also developed Xpress, a wireless control panel.

## Switch

Classic Switch or Push button



**Wall Switch**

To start the dimming process quickly, switch OFF and ON the light fixture. After flicking the switch, the dimming process will start. Once the light has reached the desired brightness level just flick the switch quickly again. The last brightness state will be applied for next time.

**Push Button**

Just press and hold the push button and the light will start to dim up/down until the desired brightness level. For ON/OFF, just a quick push of the button is needed.

**Xpress Switch**

Xpress device that controls Casambi enabled luminaires easily and wirelessly. Configuring the buttons will not continue the assigned scene, lamp or group.

## Installation

### Wireless, no need for any switch, device or network

- Choose the right CASAMBI module. It is available in phase cutting, 1-10V or Dali. You can also manage RGB (W) or tuneable white with Casambi.
- Due to his small size it can fit in any luminaire or into the ceiling.
- The Bluetooth self-organising wireless mesh network can control a large number of fixtures from any point.
- All settings are done through the free Casambi app (Apple App Store, Google Play Store.)
- The maximum distance is 30m for indoor and 50m for outdoor applications. (It is recommended to test the communication if unsure about the possible disturbances)
- Lighting can also be managed by traditional wall switches.



### Security

- Network can be shared through a password.

### Stability

- Solving interference issues, Bluetooth is more robust than wifi and Zigbee. It uses Frequency Hopping Spread Spectrum (FHSS) that hops between channels to counteract interference problems.

### No gateway

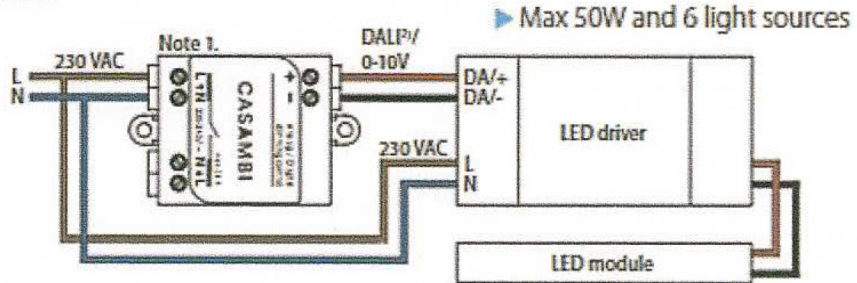
- Unlike DALI applications, no gateway module is required between the control device and the network.

### No single point failure

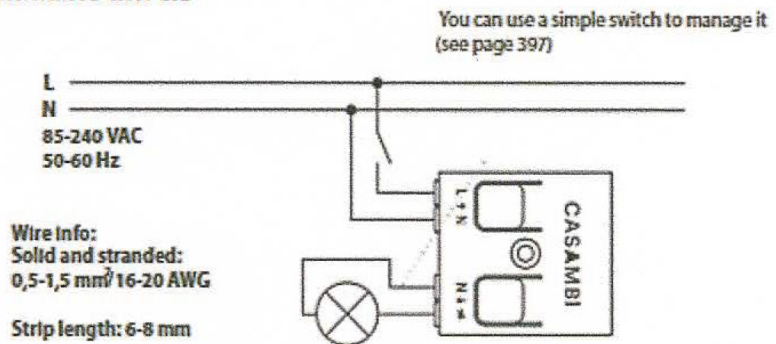
- The system is self healing and in constant synchronization. Any unit can go offline and catch up from others when they return back online.

## Connection Diagram

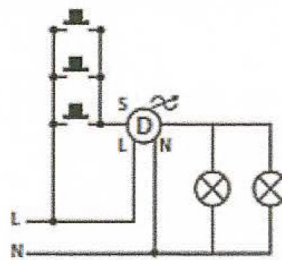
### For constant current in DALI or 1/10V Product ref: CBU-ASD



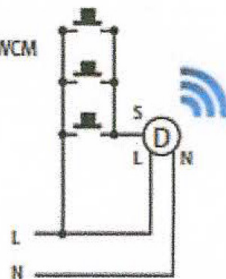
### For phase-cut dimmable drivers Product ref: CBU-TED



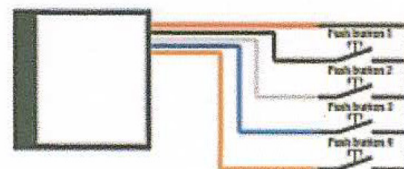
### For phase-cut dimmable driver with push button Product ref: Vadsbo LD220WCM



### Push buttons Product ref: Vadsbo LD220WCM



### Up to 4 push buttons Product ref: Bluetooth 4 Channels push button



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## Configuration

Unlike Dali Interfaces which need important setup and configuration by an expert, Casambi networks can be set up easily and directly with your smartphone or tablet. Lamps managed with Casambi are automatically detected and grouped into a network.

▶ Free interface and work on iOS and Android.



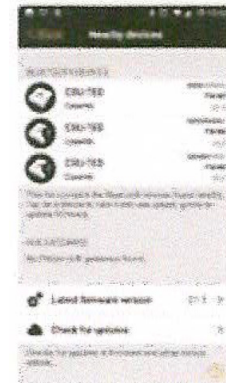
▶ All modules and switches managed by Casambi appear on the network



▶ **Identify modules or switches\* using a picture to easily find any lamp.**

With your smartphone, take a picture of the luminaire. The picture will serve to easily find the light on the app.

\*Assign a function for each switch



## Create group

Lamps can be grouped to one switch via the app.

## Create scene

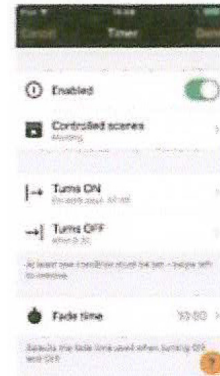
Scenes help you setup an ambience in your space. Define the desired light level and group of lamps. Scenes also enable you to create animations, fading from scene to scene.



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## ▷ Timer

Create a list of timers that will turn scenes or animations on and off over time. Examples: wake up light, set the living room lights to automatically turn on in the evening.



## ▷ Functions

- Switch on/off
- Dim 1 luminaire
- Control a group/a scene

