



CASAMBI

Total lighting control
for **domestic** applications

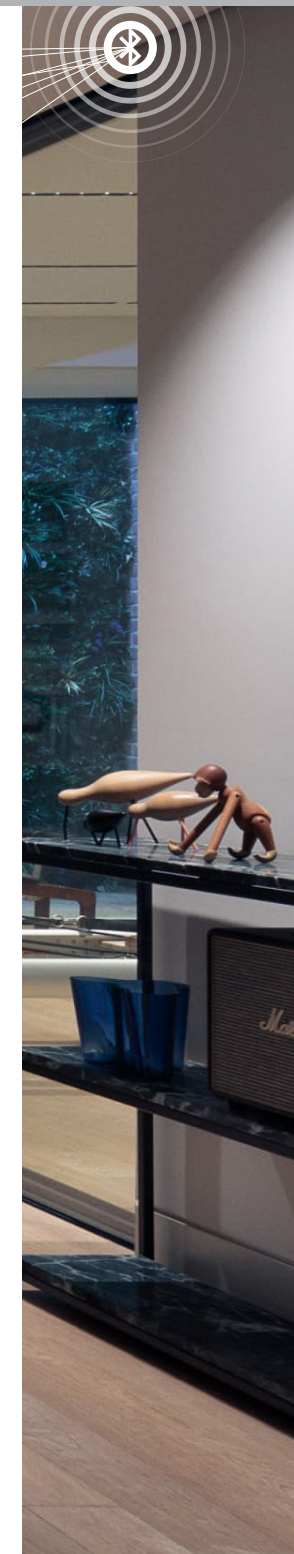
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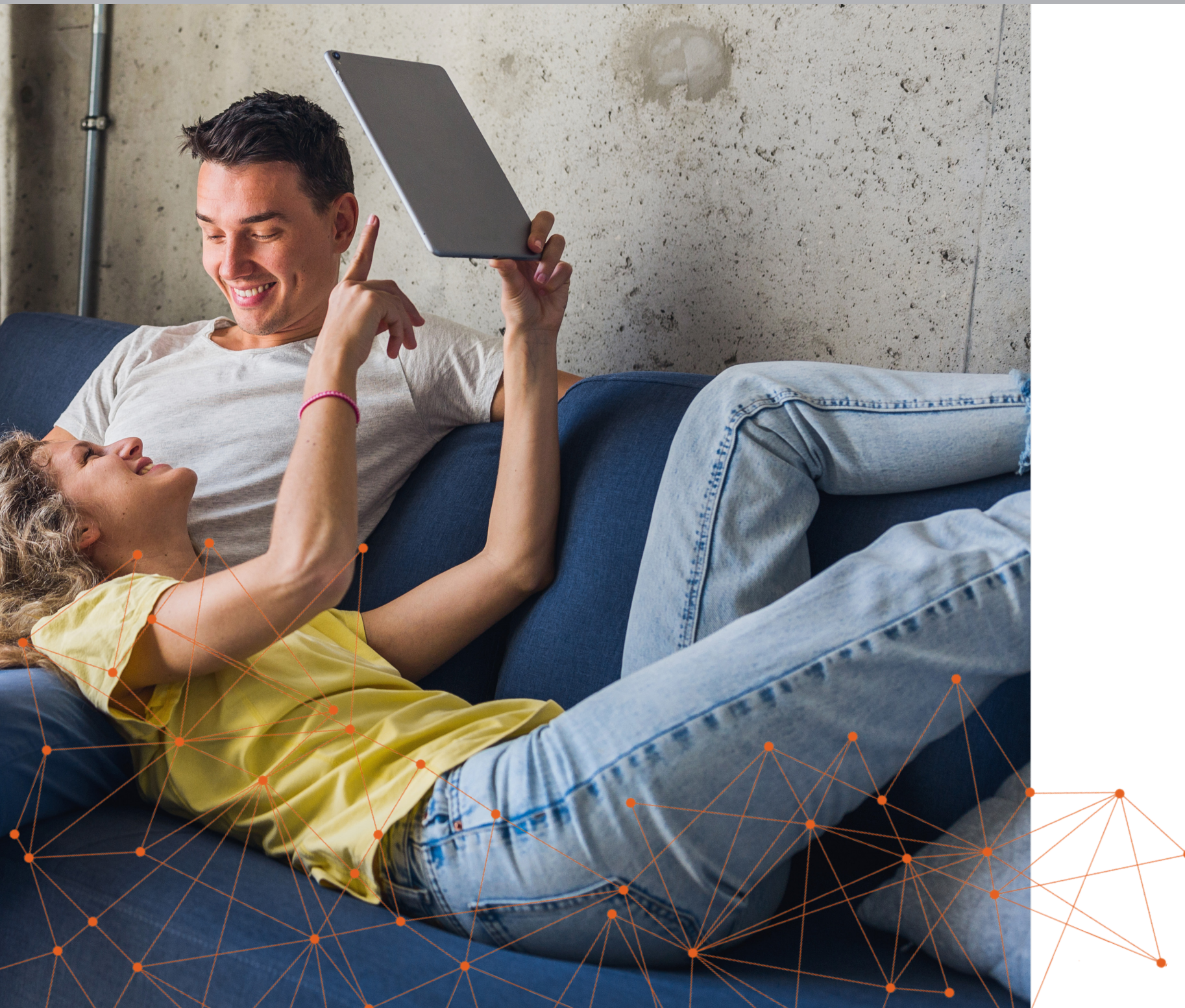


CASAMBI

Total Lighting Control at your fingertips

Empower the users to create and
control lighting conditions they need
for every occasion.





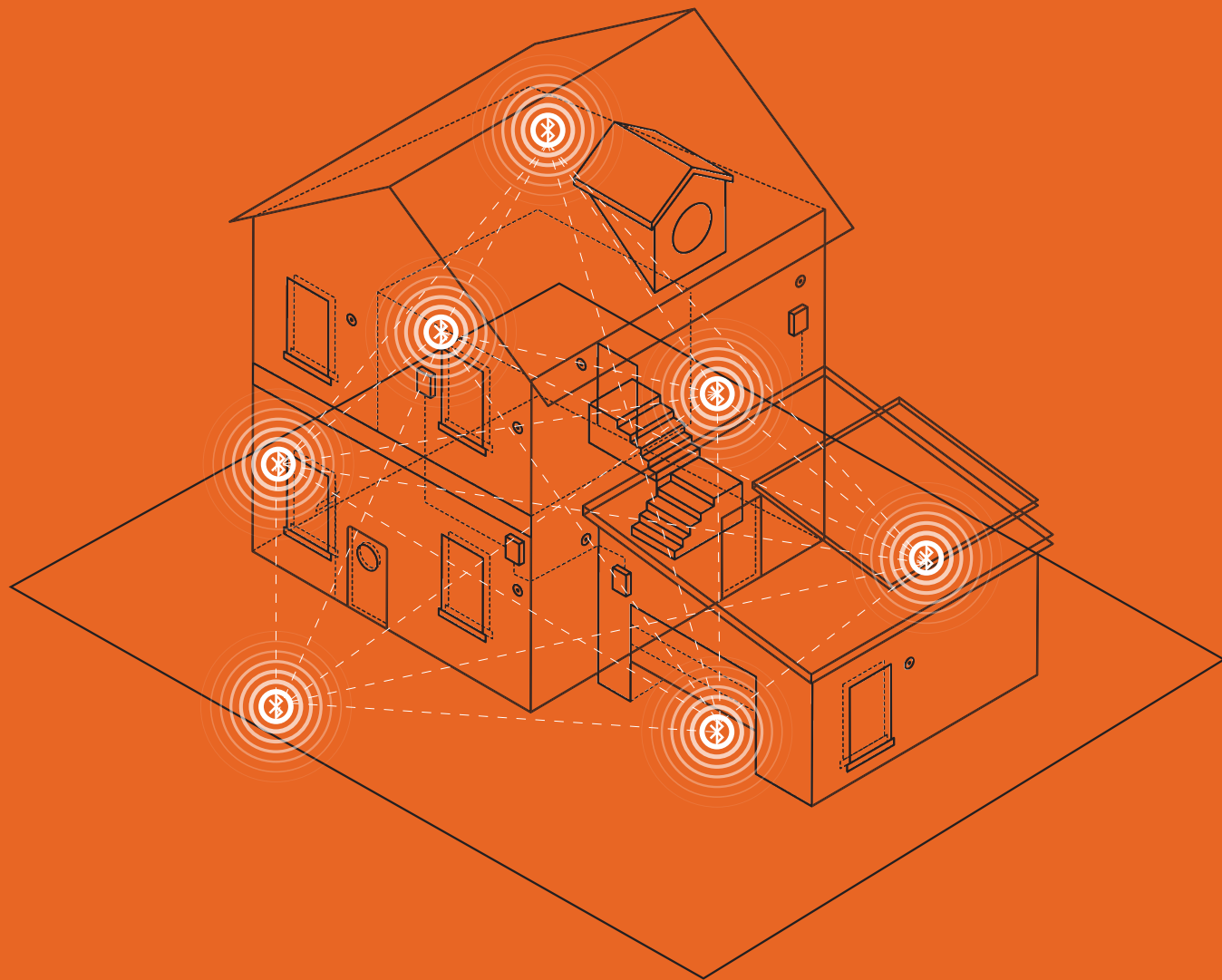
Smart lighting opens up a huge new range of possibilities. It is connected and intelligent, so that it can change in response to all kinds of stimuli and deliver **human-centric lighting** that promotes well-being.

With Smart Lighting, people can create the lighting conditions that best suit their needs and control them with simple gestures. At home, they can feel happier, safer, more energetic, focused, relaxed... and more, all through one single solution.

01. What is Casambi?

Casambi is a technology based on **Bluetooth Low Energy** (BLE), the only low-power wireless technology in all modern smartphones, tablets and smart watches.

It provides robust, professional-level **smart lighting control** from almost any mobile device.





02. What Casambi can do for you

Through Casambi, you'll add *human-centric lighting* to your project, and **give the end user full control** to create the lighting conditions they need for every occasion.

Lighting scenarios can change for morning, afternoon and evening, or even follow the sunrise/sunset cycles each day. By tuning the light tone and brightness at different times of the day, people feel happy, focused and alert.

The transformative effect of a continuously changing light makes people live a space that is never the same.

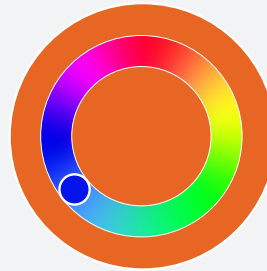
03. What you can do with Casambi



Set up luminaires individually or in groups



Turn lights on/off
Dim lights up/down



Change colour



Change colour
temperature



Create Scenes



Animate Scenes



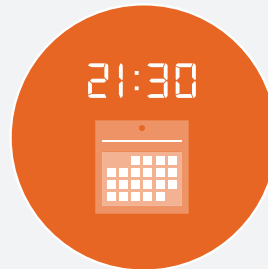
Create photo galleries
of your actual spaces



Circadian Rhythm



Set up
Sunrise and Sunset



Set up
Calendar & Timer



Light Sensor



Motion Sensor

Set up luminaires individually or in groups, turn them on/off, dim them up/down, change hue or colour temperature

Design lighting scenes for different occasions and animate them; create photo galleries of your spaces and control the lights with a single touch

Play with light through daylight or motion sensors, settings like calendar/timer, sunrise/sunset, circadian rhythm...

...the possibilities are endless!



Regulate the colour temperature in your space with a cooler light to focus, or a warmer one to relax.

Set up luminaries individually or in groups and control them based on your habits, e.g. a general lighting for cleaning, etc.

Control your step or way finding lights through a timer or a motion sensor to activate them only when needed and reduce energy consumption.

By setting up some luminaries individually, you can bring your artwork to life while the rest of the space is dimmed down, for a perfect art installation effect.



04. How to control light

The Casambi App

To set up a system controlled with Casambi, you'll need the Casambi App and Casambi-compatible lighting products.



The Casambi App works as a:

- **Tool to create your settings**
- **User Interface to control your settings**
- **Remote Gateway**

The App has been designed to be intuitive and easy to use and therefore suitable for residential applications.

It works with iOS as well as Android devices, like smartphones, tablets and smartwatches. The app is free to download by any end user.



XPress by Casambi

04. How to control light

Casambi Controllers

The Casambi Switch, Push Buttons and XPress work as a **User Interface** to control your settings. Once you've configured your lighting scenarios through the App, the controllers will allow you to select your preferred settings at any time with a single touch.



Switches and Push buttons

A standard wall switch or a push button can be used for dimming, controlling a scene or to cycle through several scenes. In this way there is no need to install additional dimmers.



Xpress

It can be configured to control luminaires wirelessly, dimming up and down or changing the colour temperature or balance of direct/indirect illumination.



Customised Xpress

A Casambi partner can make their own proprietary Xpress controllers, to use its own brand colours and materials and have unique products on the market.

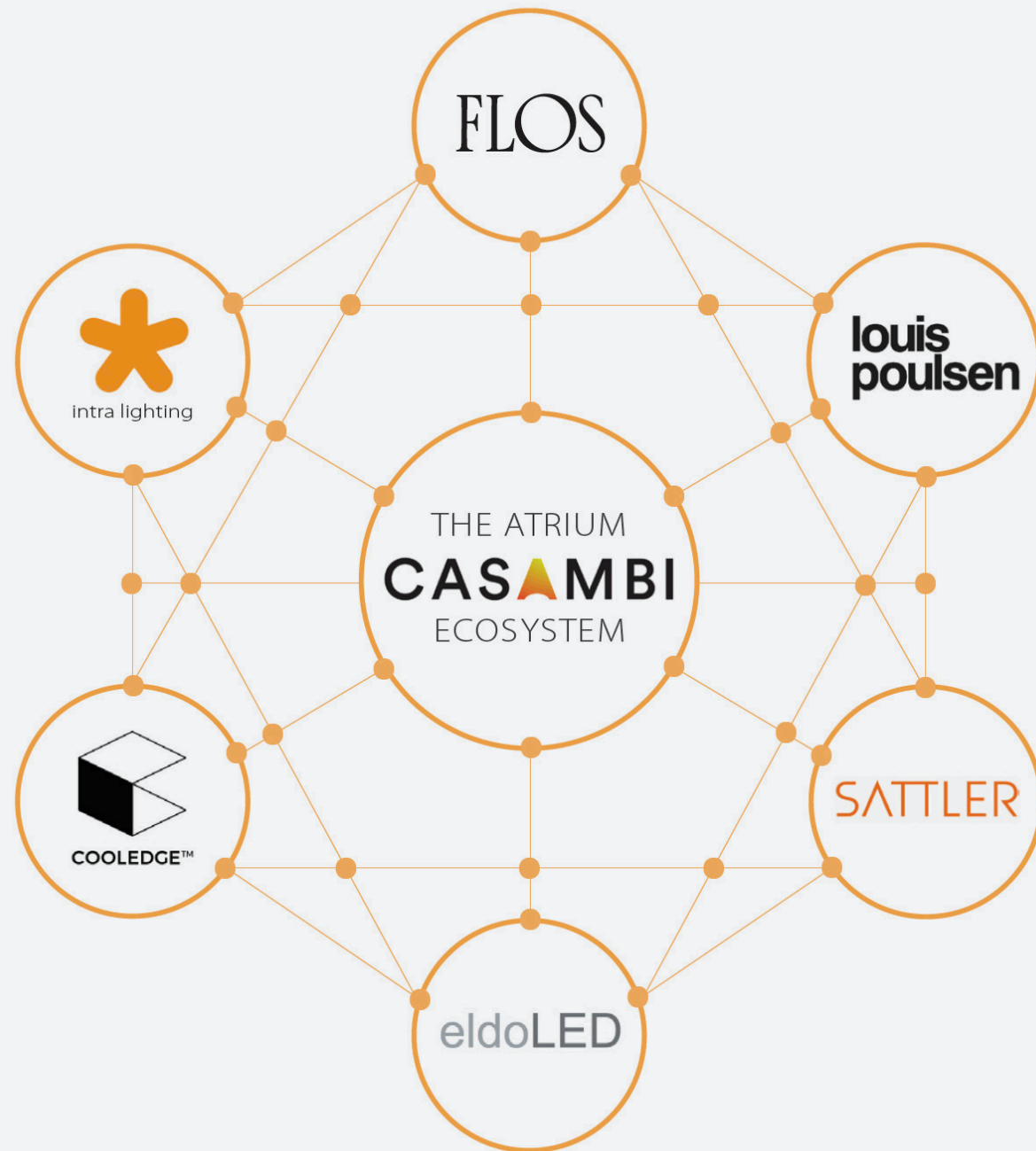
04. How to control light

Third Parties' Controllers

Thanks to the Casambi system's versatility, all of Casambi's partners products are compatible with each other as well as with all Casambi's native products. This allows the user to choose from a wide range of controllers.

Interoperability is at the heart of the Casambi solution – the technology is compatible with a wide array of third-party modules, drivers, luminaires, sensors, and switches.





05. Casambi-enabled luminaires

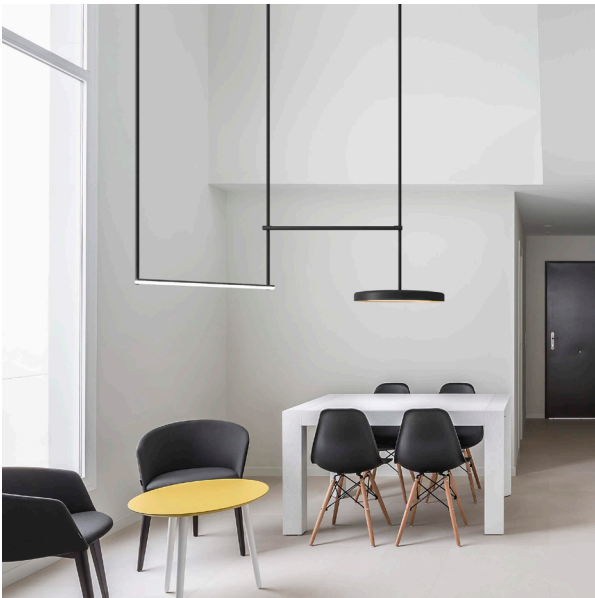
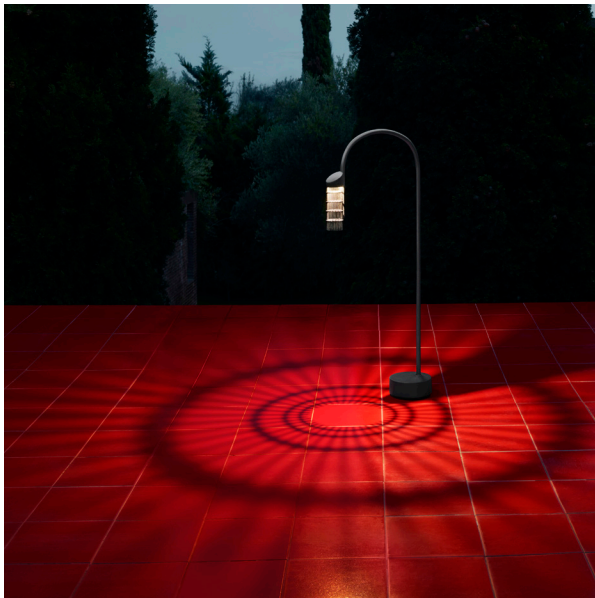
By officially partnering with Casambi, and together with our exclusive lighting brands –

Coolidge | Flos | Louis Poulsen | Intra Lighting | Sattler

– already Casambi partners, Atrium can support you with **end-to-end lighting solutions** through a rich selection of Casambi-enabled products, spanning from the **architectural** to the **decorative** and **outdoor** ranges.









06. Why choose Casambi

Total Control

Lighting control is totally in the hands of the end user

Easy to use

Intuitive user interface, everyone can use it

Low-Cost maintenance

Less cabling = Less wiring = Less cost, time, energy, labour

Aesthetics

Avoid unnecessary building works, no repaint, no ceiling/wall holes. The users aren't aware of its existence

Flexibility

Can be reconfigured or expanded to accommodate modifications at any time

Stability and Security

The system doesn't need Wi-Fi to operate, so no interferences or weak signal that could compromise security



Historical residences generally need to preserve their original architecture and therefore no wiring interventions are allowed. Casambi is totally wireless, so the perfect solution for these buildings.

The Casambi range of possibilities goes beyond lighting control and adds more security, comfort, fun to your project. Casambi partners can develop unique and specific features and products that could be controlling blinds, curtains, doors, gates or any relay equipped objects.





07. Environmental Benefits

Significantly reduced costs

This is achievable through significant reduction in cabling needed versus other dimming options (i.e. DALI, 1-10V). Also, less wiring means much less copper which is far more sustainable.

Reduced energy consumption

No additional wiring required means less energy, labour, waste, and therefore less carbon footprint.

Extremely advanced level of control,

which means no need for unnecessary luminaires on, also increases lamp and lighting component life.



Some questions answered

Is it possible to integrate Casambi into a pre-existing lighting installation?

Yes, by retrofitting Casambi modules into standard wall switches to control existing lamps and luminaires. Or, simply install Casambi-ready luminaires and controllers. Casambi requires no new wiring and no network hardware (other than the light fittings themselves). As for commissioning, it's simple enough to be done by users themselves through the Casambi app.

What happens if a luminaire stops working?

In the Casambi network, each element shares information with the others, so if one fails, or is removed or reconfigured, the lighting controls keep working.

Is it possible to control the lighting without app?

If for example, Casambi has been configured with a device that is not left at home, people in the house can still change light settings and scenarios by using Casambi's wall switch or third-party compatible ones.

If you wish to receive further information,
please contact **casambisales@atrium.ltd.uk**



Quality of Light means Quality of Life

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