Magna & Pica Office

Bluetooth
Smart Lighting

Product Guide

unios.com/smartcontrols

For the next level of accessibility and flexibility we have partnered with Casambi to integrate BLE (Bluetooth Low Energy) technology into our luminaires. Through our Bluetooth Smart Lighting Solution it is now possible to wirelessly control and personalise each luminaire through your smartphones, tablets and smartwatches.

With a simple installation procedure and intuitive user interface, gone are the days of complex lighting control systems. The ability to tailor the way lighting will affect your day to day lives is now in your hands.

Bluetooth low energy

Utilising low power consumption 2.4GHz Bluetooth radio technology, the Unios Bluetooth Smart Lighting solution provides reliable short-range communications and allows hundreds of devices to co-exist simultaneously in the same space.
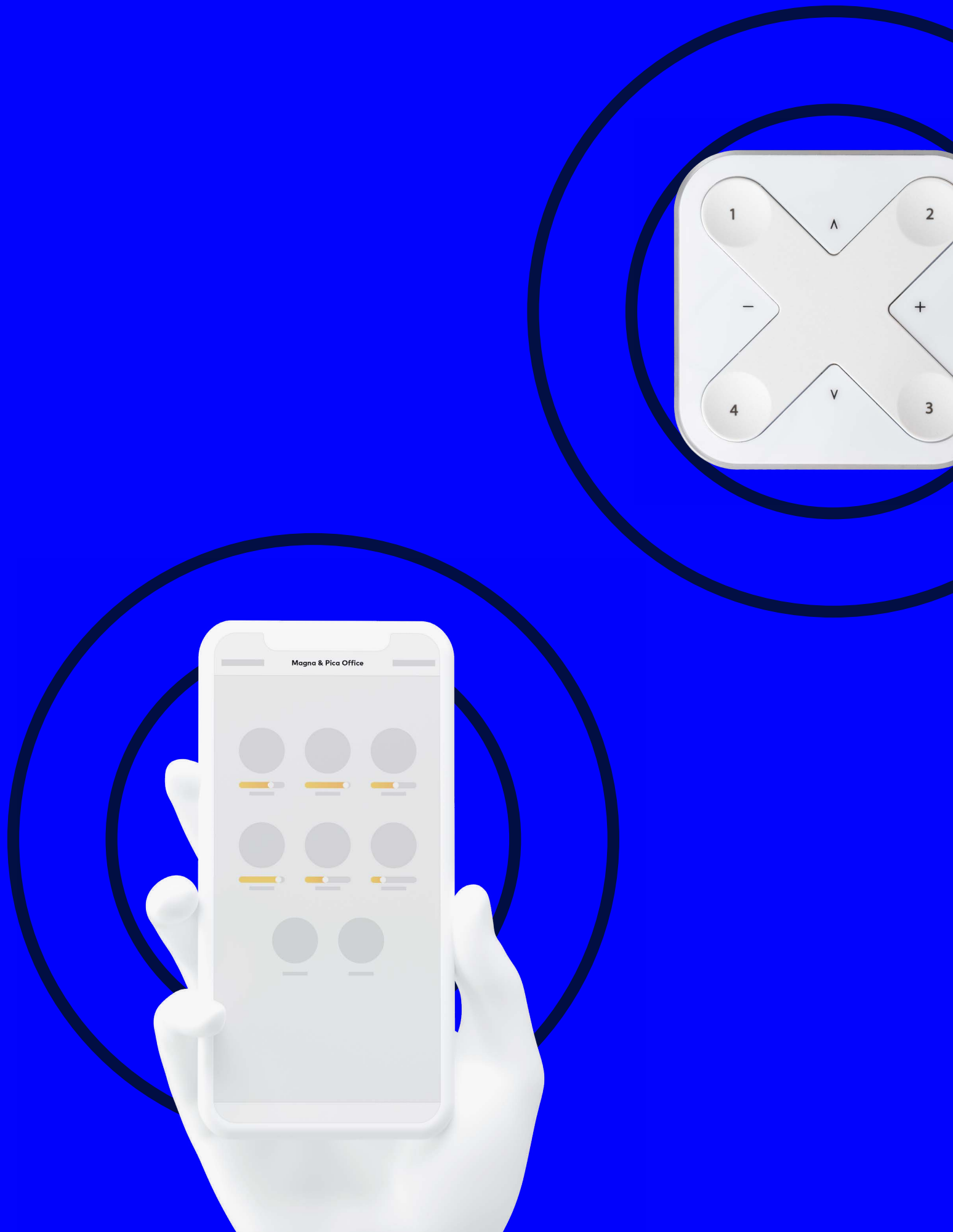
Mesh network communications

Every luminaire in the system connects to all other nearby devices and helps to relay messages throughout the network. With no central access point to connect to, this significantly extends the network range as messages can be passed along through multiple devices to get to their final destination.

Casambi module

The Casambi app turns your Bluetooth equipped device into an advanced control and configuration centre. Create customised scenes, setup automations, reconfigure grouping, add/remove luminaires and much more.

The Casambi app is your gateway to more than simply turning lights on and off. Available to download on the Apple App Store and Google Play Store, turn your Bluetooth equipped device into an all-in-one lighting control system.

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Grouping

Configure multiple lights in one logical group for common switching and dimming control.

Colour Temperature

Set the colour temperature of each light from warm white, cool white, or somewhere in between.

Colour Selection

Set the colour of any RGB or RGBW lights using a colour selection wheel with the ability to save for later use.

Light Sensor

Connect a light sensor to automatically dim and switch off artificial lighting in response to the availability of natural daylight.

Motion Sensor

Enable automatic activation of lights, triggering of scenes and deactivation of lights when occupancy is no longer detected.

Calendar & Timer

Set up time-clock functionality to suit your requirements on a day-of-week basis.

Animation

Create dimming and colour changing transitions on a schedule. Perfect for ambient colour lighting.

Gallery

Take a picture of each room and place control markers over each light for an intuitive visual interface.

Scenes

Create ambience scenes for different areas and occasions. Set up each scene with its own dimming levels, colour temperature and more.
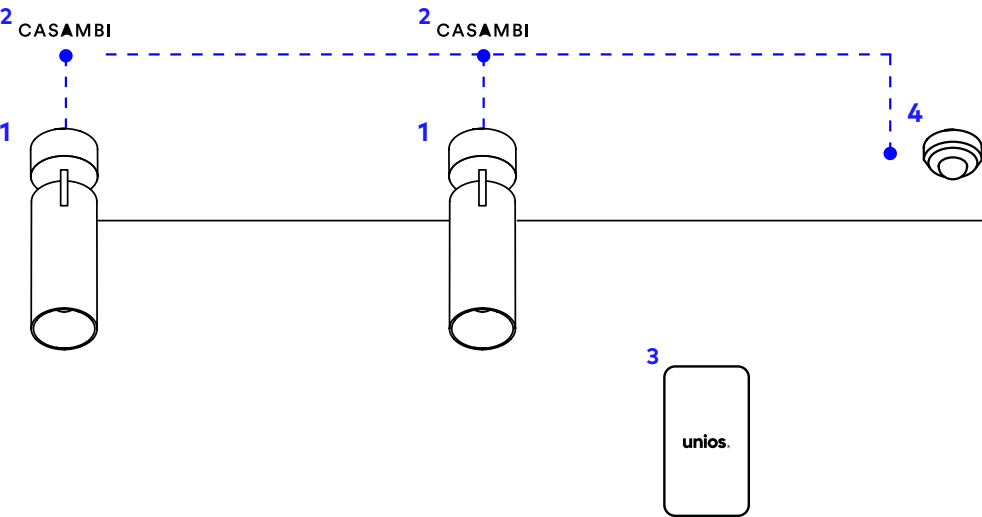
Circadian Rhythm

Configure tunable white lighting to automatically adjust throughout the day to match the human body's circadian rhythm.

Bluetooth Smart Controls

With the Unios Bluetooth Smart Lighting solution, users will now be able to wirelessly control and personalise each luminaire through smart devices such as smartphones, tablets and smartwatches.

Download the **Integration Guide** for full details on componentry and luminaire compatibility.

Components

Our Bluetooth Smart Lighting network is made up of four types of components: luminaires, drivers, a control interface and sensors (optional).

1. Luminaires

In addition to having dimming capabilities as expected from a standard dimmable light, Casambi enabled luminaires also relay messages to other luminaires in the mesh network, increasing its range significantly.

2. Drivers

Select from either a built-in or remote bluetooth wireless module. A built-in Tridonic solution provides simpler installation and superior range while a remote solution can be more cost effective and allows for retrofitting.

3. Control Interface

The Casambi app is utilised as the main HUB to control your lighting configuration. The network will continue to operate even when there are no phones nearby running the Casambi app.

4. Sensors *(optional)*

Sensors are optional and can be configured to activate lights, trigger scenes via motion detection, or automatically dim lights in response to available natural daylight for energy savings.

With our Bluetooth Smart Lighting solution, you now have the ability to control and personalise each luminaire or as a group for very specific scenarios. The possibilities of controlling the way light affects you everyday are endless.

Office

Achieve a greater level of customisation and comfort to an office by adjusting lighting requirements with Casambi's scheduling function or activating scenes at set times, resulting in reduced energy usage through automation.

Retail

Customise the role lights play in your shop fit-outs. With the ability to control lights through your smart devices, reconfigure and direct your customers to the products that require the most attention or save energy through the use of sensors and dimming.

Residential

Control your lighting system with the devices that you know and love. With plenty of features to choose from, you can dim lights at particular times or simply turn off all your lights with the press of a button for a convenience you never knew you needed.

What's next?

With over 85% of our products compatible, finding the perfect luminaire for your next project requiring Bluetooth Smart Lighting solution has never been easier. See how you can find a compatible product through our different resources below.

Unios Toolbox

Open the Unios Toolbox and select the product you are adding to your project. For compatible products, Bluetooth drivers will appear during the driver selection.
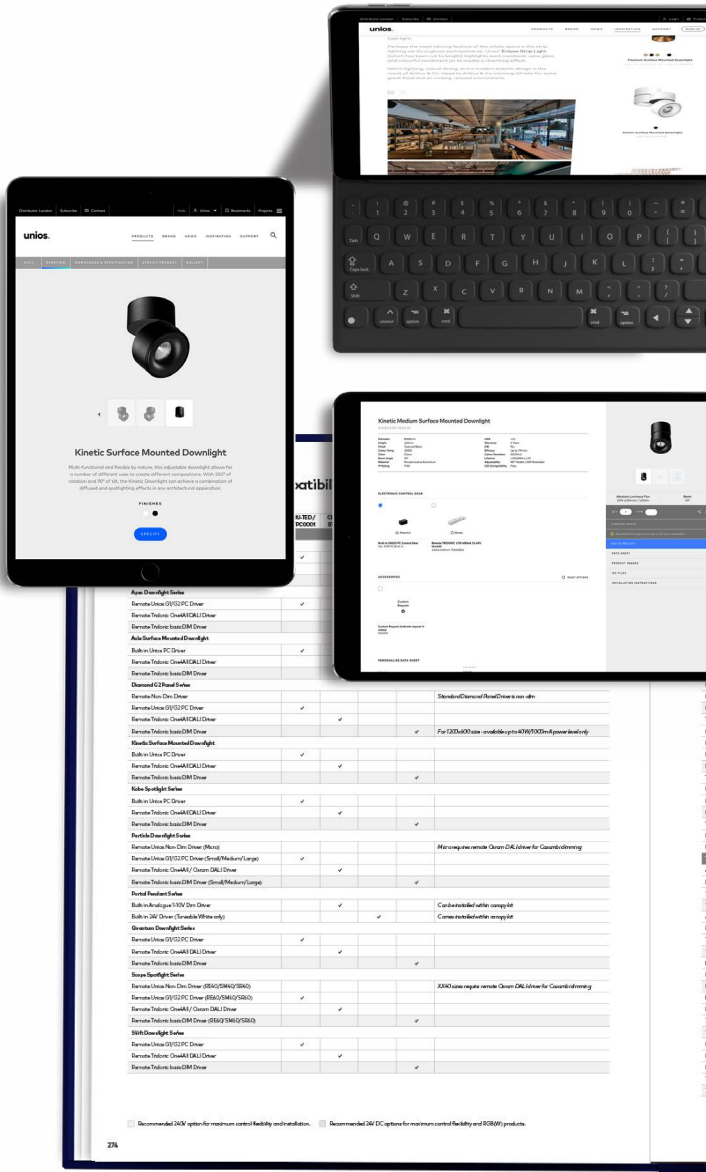
Catalogue

Find the bluetooth icon on our products general specification sheet for wireless lighting control compatibility. Alternatively browse through the Casambi Bluetooth Compatibility matrix located at the back of the catalogue.

Bluetooth Smart Lighting Integration Guide

For data and additional details for our Bluetooth Smart Lighting components, refer to the Integration Guide. The guide is also complete with the Casambi Bluetooth Compatibility matrix that can be found in the catalogue.

For assistance in integrating your wireless lighting control configuration, refer to our Bluetooth Smart Lighting Integration guide.

Download the Casambi app and try out the demo mode to explore all its features.

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