Control solutions let lighting to be adapted to the needs of people, spaces and organisations. For instance, lighting can be adjusted depending on the time of day, the job being done or how the space is being used.

Proper, connected lighting not only has a positive effect on people's well-being, but also a major influence on space management. The potential to collect useful data showing energy consumption, how different areas are occupied and what use they are being put to, means you can detect more strategic and efficient opportunities and make more efficient decisions.
Light for Life

Lighting control solution based on wireless Bluetooth technology/wifi, depending on the type of product. It can be directly controlled from your smartphone using the app Light for Life — a fast and easy-to-use application. This system is compatible with all major voice assistants.

There are three options to transform a light fitting into a connective one and control it via the App Light For Life:

a) Standard dimmable light fixtures using DALI or 0-10V: add 0-10V - DALI dimming element.

b) Lighting compatible with standard E27 or GU10 sockets: add a compatible bulb with a compatible socket.

c) Luminaires where it is possible to install the 0-10V - DALI dimmer device inside the light fixture, for example: Infinite or Luno.

Represented with:

**Functions**

- **Personalised control**
  Individually control the lights directly from a smartphone.

- **Colour/temperature control**
  Control the colour temperature and lights' RGB.

- **Scenes**
  Create scenes that set the mood at any given time.

- **Hourly programmes**
  Timer for automatic activation.

**Solution's architecture**

**Controller 0/1-10V or DALI**

Device that allows you to incorporate any light with a 0/1-10V or DALI driver into Light for Life system.
Lighting control solution based on Bluetooth Mesh protocol with direct control from a Smartphone or Tablet, with no additional components required. Scalable solution from one line to several lines with point-to-point or centralised control.

Solution’s architecture

1. Gateway Bluetooth
2. Bluetooth keypad
3. Bluetooth trailing edge dimmer
4. 71-8055
   A converter that enables remote access to a Casambi installation. An HDMI connectible screen and a fixed Internet connection are required for remote access at any given time.
5. 71-8053
   It enables four functions such as individual luminaires, clusters, scenes or sequences to be switched on and off. With the + / - icon, you can adjust the brightness of each of the lights. Use the icons < and > to change the colour temperature in luminaires with TW technology.
6. 71-5961
   Element to connect a luminaire with 0-10 or DALI equipment to the Bluetooth control system. Compatible with DALI DT8 TW type technology luminaires. Maximum of three luminaires per device.
7. 71-8050
   Element to be fitted in a luminaire compatible with 12 or 24V PWM constant-voltage regulation, mainly RGB or TW (e.g. LED strips, Tron).
8. 71-8049
   A device that activates luminaires individually, in clusters or scenes, by detecting their presence and/or regulating their brightness value based on natural light input and/or the circadian cycle.
9. 71-8052
   An element that includes an internal clock to keep time when there is no power. When the power is switched on again, it sends the time to all installation elements.
10. 71-8115
    It enables DALI regulation in the low-voltage rail solution. The lights must be dimmed using DALI protocol.
11. 71-8051
    Element to integrate a luminaire with trailing Edge regulation to the Bluetooth control system.
12. 4 ch. PWM Bluetooth dimmer
13. Timer Bluetooth
14. Track Low Voltage compatible DALI controller
15. DALI Bluetooth 0-10V dimmer
16. Bluetooth presence and brightness sensor
17. Track Low Voltage compatible DALI controller
18. DALI controller
There are two ways of transforming a conventional luminaire into a connective luminaire, controlled via Bluetooth:

a) Standard adjustable luminaires (DALI, 0-10 and trailing-edge phase cut): add ELT eBlue 0-10/DALI component or ELT eBlue trailing edge component.

b) Lighting fixtures that afford the installation of the ELT eBlue 0-10/DALI or ELT eBlue trailing edge device inside of the lamp itself. The catalogue features several product lines that can house these devices within the body of the lighting fixture, such as: Infinite, Exit, Pek, Bravo, Sugar and Caprice.

Those products are identified by:

- **Mobile app for programming**

- **Bluetooth Low energy**
  A solution based on the Bluetooth technology used in smart phones and tablets. This allows for direct communication between luminaire/controller and mobile device, without the need to add any other physical elements.

- **Wireless Mesh Network**
  A scalable system that makes it possible to create a made-to-measure information network (nodes) which devices can be added to. The system intelligence is replicated in each node, meaning that if one node is removed, the rest of the system can still function.

- **Casambi Ecosystem**
  The Casambi ecosystem ensures interoperability between different products like sensors and switches.

- **Individual control**
  On/off and point-to-point control.

- **Group**
  On/off and control of several luminaires at the same time.

- **Lighting scenes**
  On/off and control of several luminaires, each with an individual adjustment value.

- **Colour temperature control**
  Variation of colour temperature and brightness in luminaires with TW technology.

- **Gallery**
  Luminaires superimposed on an image to act directly on it.

- **Calendar**
  Automatic activations of lighting scenes, based on a particular time.

- **Circadian cycle**
  Dimming of one or more luminaires based on the pre-defined or customised circadian cycle.

- **Constant light control feature**
  Automatic luminosity control for one or more luminaires based on the amount of natural light present.
DALI2 Solution

Lighting control solution based on the DALI2 standard (includes compatibility with DT8 drivers).

Solution’s architecture

DALI2 Master Controller

DALI2 Master Controller

DALI2 front 4-function keypad

DALI2 front 9-function keypad

DALI2 coupler

Multi-sensor for DALI2 system

71-8065
Device for controlling DALI luminaires and integrating DALI2 keypads, light and/or presence sensors. It can be integrated into a Building Management System (BMS) solution using standard protocols such as BACnet/IP®, Modbus TCP and OPC.

71-8066
Presence and brightness sensor (brightness range from 0 to 1,000 lx) to be integrated in a DALI2 system. Programming is done on the DALI2 Master controller.

71-8070
Front DALI button compatible with DALI Master bus coupler that allows you to program 4 functions and customise your icons.

71-8071
Front DALI button compatible with DALI Master bus coupler that allows you to program 9 functions and customise your icons.

71-8068
The DALI2 Master coupler set with the front keypad makes it possible to program 4 to 9 personalised functions, such as switching on a luminaire, a set of lights, a scene, etc.
In an installation, major energy savings can be achieved through features such as point-to-point lighting management, clusters, scenes, constant light control, circadian cycle, control by occupation and time schedules, among others.

It enables you to calculate the hours of operation and consumption of each luminaire, thus enabling proactive preventive maintenance. Fault alarms can be sent to an email.

Since the programming is personalised, the possibilities are unlimited.

Programming is done via on-site programming software or web server. Within this programming it is also possible to view the installation and luminaires on a map in an up-to-date and real-time manner.

Real-time monitoring of the light fixtures and sensor status. Option to activate/deactivate lights locally and remotely.

Personalised daily time schedules with different lighting scenes, light levels and time slots.

DALI2 Solution

D4i Solution

Solution for lighting control and connectivity in a space. Based on the standard D4i, means any driver with this technology is compatible with the platform.

In addition to providing control functionalities, it allows the system to be monitored through the platform and, thus, gather data on occupation and space use.

Solution’s architecture
PoE Power Supply

It feeds the required power to the D4i Platform Controller-Manager and Gateway Sensor via Power over Ethernet (PoE).

D4i Platform Controller-Manager

A device that centralises data from all D4i sensors and control functions on a management platform. This platform handles lighting and stores energy consumption, temperature and occupancy data for later analysis.

Connective multi-sensor

Presence, luminosity, temperature and occupancy sensor compatible with D4i technology drivers. Required accessory for ceiling (71-8058-00-00) or surface (71-8059-00-00) installation.

PRO Multisensor

Besides connective multisensor functionalities, digital services can be accessed:

IoT Space: extended information on occupancy, space utilisation and movement flows.

IoT Where: Beacons & tracking of people and/or objects via Bluetooth.

Sensor Gateway

A converter that lets you change information between the sensors’ wireless communication protocol and the D4i Controller-Manager Platform.

Botonera conectiva

A physical interface that lets you switch on/off and dim one or a whole set of luminaires.

D4i Solution

Compatible light fixtures with integrated sensor

Finelight

Infinite PRO

Lighting with external sensors

Bento

Sia

71-8064 (Coming soon)

71-8063

71-8056

71-8057 (Coming soon)

71-8061

71-8062

71-8060 (Coming soon)

Used to update the firmware version of a multisensor connective to update to PRO.
Functions

- Remote control.
- Installation status.
- Profile and group design.
- Alarm management.
- Programmable e-mail notifications based on various parameters such as luminaire malfunction or overheating, available updates, ...
- Savings through natural light, occupation and task adjustment.
- Energy reports adapted to the needs of each action carried out.
- Real-time monitoring of the power consumed and saved.
- Heat map reports for proper space management and assessment.
- Information on ambient temperature and the luminaire to enable easy integration with air conditioning and heating systems.
- Energy reports adapted to the needs of each action carried out.
- Heat map reports for proper space management and assessment.

Air-conditioning solution

An autonomous solution that lets you control a room's air conditioning. Through the "Lighting Module" device, lighting circuit control can be added to the solution easily.

Solution's architecture
Air conditioning controller coupling

Front air conditioning controller

19-8073
Both the coupler assembly and the front of the air conditioning controller intuitively turn on, turn off or modify the temperature and speed of the air conditioning equipment through an easy-to-use interface.

Front air conditioning controller compatible with air conditioning system coupler.

Autonomous air conditioning controller

Illumination module for air conditioning controller

21-8072
Device with inputs for key contact / motion detector, window contact, water probe / door contact and 0-10V analogue outputs (Fan-coil EC) and relays for hot/cold water solenoid valve.

21-8075
Autonomous device for lighting control and powered blinds. It has 8 inputs for standard buttons and 8 voltage-free relay outputs.

Standalone Solutions

Standalone control solutions. These can be used to control one or more luminaires within the same space independently. With standalone solutions, you can perform simple functions and save energy.
DALI Standalone multi-sensor

71-8067
Brightness and presence sensor lets you to switch on the lighting when a room is in use and maintain a constant level of light, depending on the amount of natural light.

DALI Master bus coupler

71-8069
The DALI Master coupler set with the front DALI keypad makes it possible to program personalised functions, such as switching on a luminaire, a set of lights, a scene, etc., via an app on your mobile device.

Standalone Solutions

Intuitive and easy-to-use user interfaces, with an attractive and minimalist design. Tactile technology enables precise and quick customisation to achieve the desired ambience.

DALI controller

DALI front 4–function keypad

71-8070
Front DALI button compatible with DALI Master bus coupler that allows you to program 4 functions and customise your icons.

DALI front 9–function keypad

71-8071
Front DALI button compatible with DALI Master bus coupler that allows you to program 9 functions and customise your icons.

DMX or PWM controllers

71-7671
Adjusts the brightness of a row of luminaires using DALI protocol

71-7666 (DMX) / 71-7664 (PWM)
Control buttons based on DMX or PWM protocols. Using one control pad, allows colour adjustment and memorisation of predefined static and dynamic settings.

71-7665
Control buttons based on DALI technology. Enables several DALI lines to be controlled (*prior set-up required) and memorisation of lighting scenes.

Examples of use

A high overall light level suggests a dynamic space with high footfall. In contrast, a low light level suggests a more private space.

RGB lighting effects create sensations to suit the needs of each moment: transmitting a sense of dynamism or relaxation.

Settings with different lighting levels create the right atmosphere for each moment of the day: lunch (general light), evening meal (soft, focused lighting), etc.
Wireless controllers to adjust lighting from any point of the room. Fast interaction via switches and tactile control circuit. Includes a quick-mount support, fixed in place by support magnets.

Standalone Solutions

**RF master control**

- **71-E069**
  - Controller based on Easy+ technology. Assigns features to control predefined static and dynamic lighting scenes, which can be selected from an RF master control.

**Slave**

- **71-E070**
  - Additional-use device, in the event of requiring further luminaires adjusted by Easy+ protocol. A Master is required to make it work.

**Master control switch**

- **71-E011**
  - Controller based on Easy+ technology. Can be used to select predefined static colours and dynamic lighting scenes through a switch on the device.

System based on DMX protocol. Control via RF control or switch. Integrated series memory. Automatically remembers the last program assigned, either a sequence or fixed colour.

**Examples of use**

- Lighting by zones allows different objects to be highlighted. Up to 6 zones can be included.
- Different coloured lighting effects create a unique emotional atmosphere.

A soft RGB lighting effect in corporate colours can increase a building’s visibility and also boost the brand image in technological terms.