

kreon casambi



kreon introduces Casambi Wireless Control Dimming. Every occasion asks for a comfortable and harmonious lighting mood and it is now possible to control and manage a lineup of kreon luminaires with just your mobile device.

Casambi is a wireless dimming solution that enables you to control and operate a selection of luminaires via Bluetooth. This Low Energy, state-of-the-art technology can now be used on multiple kreon products. Create scenarios, define groups and experiment with the balance of architectural lighting, all by using the Casambi App.

The Casambi solution is based on Bluetooth Low Energy. A cutting-edge wireless technology and the only low power wireless technology in almost all modern devices. Making it an established and future-proof low power radio technology.



The app is free to download from Google Play and Apple App Store.



App store (IOS)



Google play (Android)

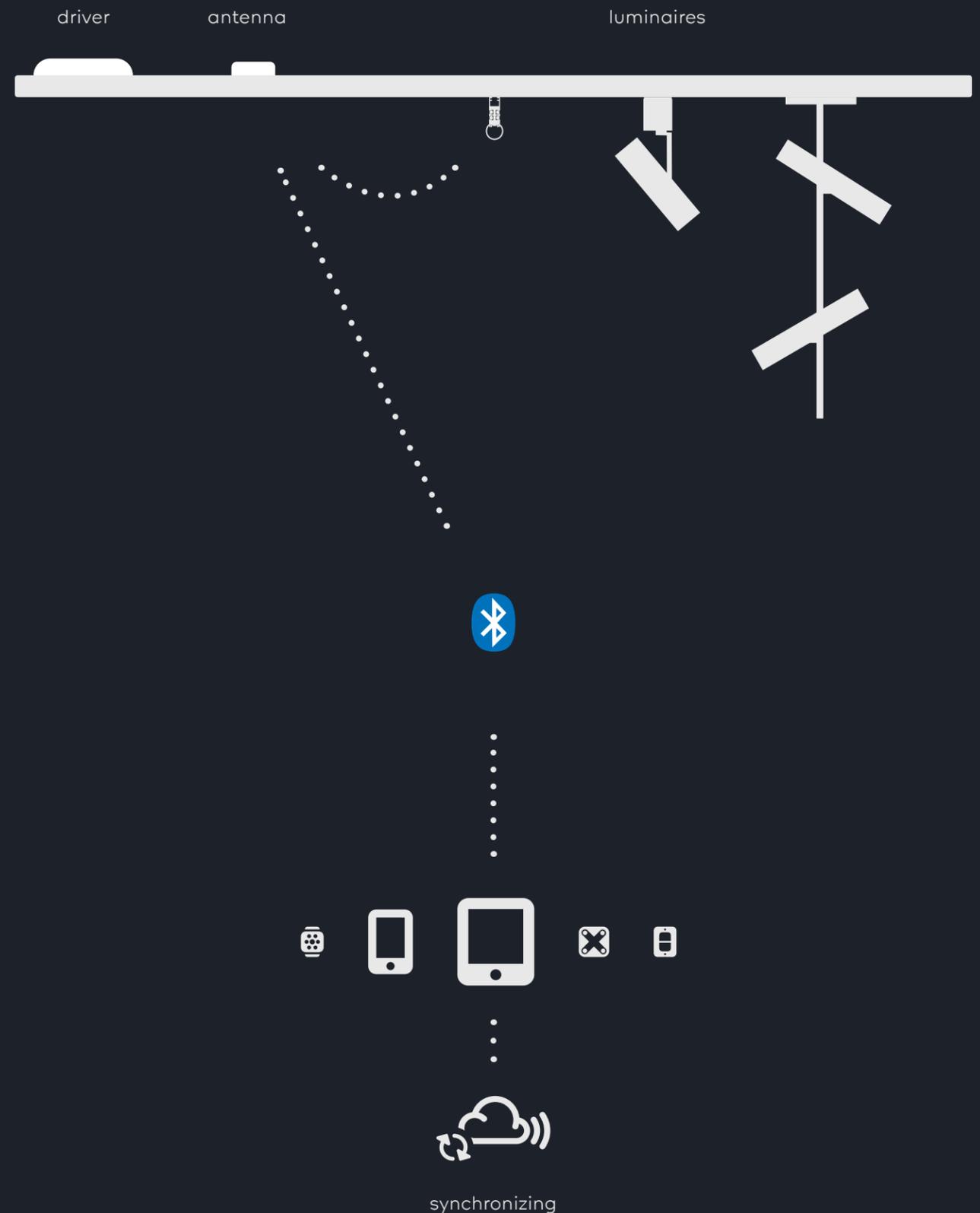
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how it works

The Casambi technology can be used in both the luminaires and the LED drivers as well as in the LED modules. This makes the technology easy to install and requires very little additional hardware.

The Casambi technology provides a mesh network where all the data of the system is being reiterated in each individual node. This means that there will be no interference.

- Dim the lighting
- Group luminaires
- Configure, save and recall scenes
- Configure, save and recall animations
- Use the schedule to recall scenes or animations based on time and date
- Adjust colours
- Adjust colour temperatures
- Use motion sensors
- Take pictures of your spaces and add lighting control directly to your picture
- Take sunrise and sunset into account while defining timers
- Get status information from the system
- Update the firmware over-the-air



kreon casambi step-by-step

Project private residence
Location Luxembourg

Architect Victoria Kotkalo
Photographer kreon

1. Download the app from Apple App Store or Google Play Store



2. Switch on your Casambi enabled luminaires



3. Open the app



4. The app will automatically find all Casambi enabled luminaires that are switched on



5. Select 'Take all luminaires into use'



6. The app will automatically add all of the located luminaires to one network and open the 'Luminaires' tab





kreon casambi functionalities

Project private residence
Location Rotterdam, The Netherlands

light colour

A luminaire manufacturer can define the limits of the Casambi Ready luminaires's colour range beforehand. Users can change the colour in a simple manner from the app and also save their favorite colours in a colour palette.

light temperature

A luminaire manufacturer can define the limits of the Casambi Ready Tunable White luminaire beforehand so it appears with the correct levels in the Casambi App. A user can change in a simple manner the colour temperature for the luminaire just by sliding the finger on top of a luminaire icon.

grouping

Grouping works with the same gestures as grouping apps in your smart device. After grouping, all the luminaires in the group can be controlled all together or the group can be opened for individual control.

gallery

Casambi's unique gallery feature makes control more intuitive than ever. Users simply take photos of a space, or upload a floor plan to the app, and mark the positions of the luminaires. The images then appear in a gallery in the app, with luminaires shown, and users simply tap the one they want to control.

scenes

Different lighting situations for different occasions can be created. It is possible to control multiple luminaires with one tap to create the perfect ambience for different occasions and needs. One luminaire can be used in several scenes.



kreon casambi accessories

Casambi is the core of an entire ecosystem of products. All Casambi's native products, as well as all Casambi's partners' products, are 100% compatible with each other. All Casambi Ready products are configured and used with the Casambi App.

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kreon casambi power supplies



	KR-code	60W Output power	120W Output power	24-48VDC Output voltage	2500 2500mA	5000 5000mA	Width (mm)	Height (mm)	Depth (mm)
power supply, 60W	<u>KR772074</u>	●		●	●		53	35	150
power supply, 120W	<u>KR772274</u>		●	●	●		63	37,5	191

REMARKS

IP67

kreon casambi LED drivers

LED Driver, 300mA - 350mA



LED Driver, 500mA - 700mA - 1050mA



	KR-code	16W Output power	18,5W Output power	27W Output power	36W Output power	37W Output power	300 Output current 300mA	350 Output current 350mA	500 Output current 500mA	700 Output current 700mA	1050 Output current 1050mA	Width (mm)	Height (mm)	Depth (mm)
LED Driver, 300mA	<u>KR772209</u>	●					●					44	30	146,5
LED Driver, 350mA	<u>KR772219</u>		●					●				44	30	146,5
LED Driver, 500mA	<u>KR772229</u>			●					●			43	30	97
LED Driver, 700mA	<u>KR772239</u>				●					●		43	30	97
LED Driver, 1050mA	<u>KR772249</u>					●					●	43	30	97

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DALI gateways



Casambi DALI gateway ① ②

Colour	KR-code	24-48VDC Output voltage	8W Power consumption	180 Output Dali current 180mA	Width (mm)	Height (mm)	Depth (mm)
○	KR762171	●	●	●	18	58.1	142.6
●	KR762172	●	●	●	18	58.1	142.6

REMARKS

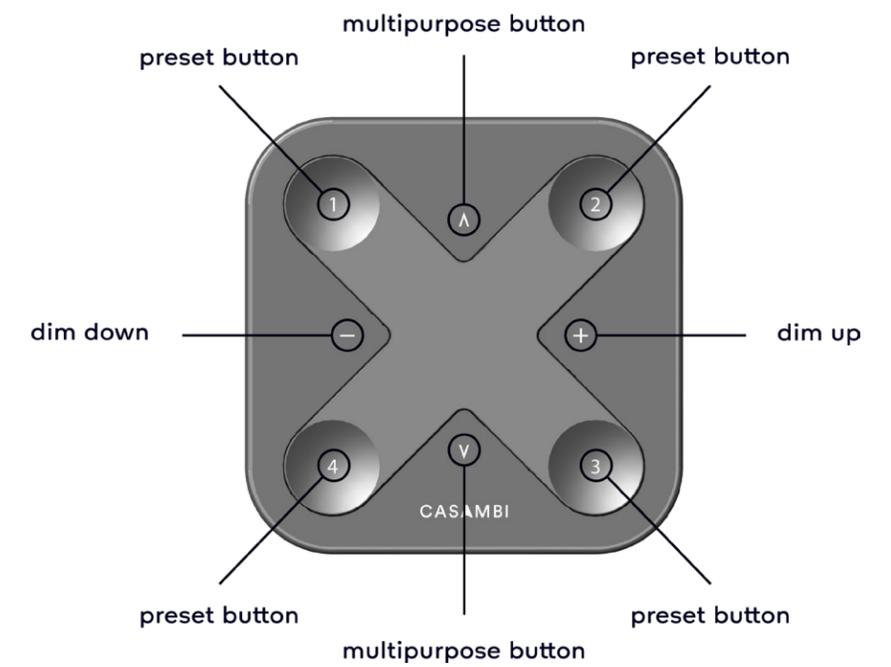
- ① Fused and protected against voltage peaks.
- ② Allows for the connection of up to 64 DALI lamps (control gear), assigning them to up to 8 groups.

kreon casambi Xpress



Casambi Xpress ① ②

Colour	KR-code	BATTERY CR2430 Lithium coin cell ③	Width (mm)	Height (mm)	Depth (mm)
○	KR762971	●	90	90	12
●	KR762972	●	90	90	12



REMARKS

- ① Range: 50 meters in open air.
- ② The Preset buttons of Xpress can be configured via the Casambi app. A light indicates the selected preset.
- ③ Battery lifetime of 2-5 years, depending on usage.

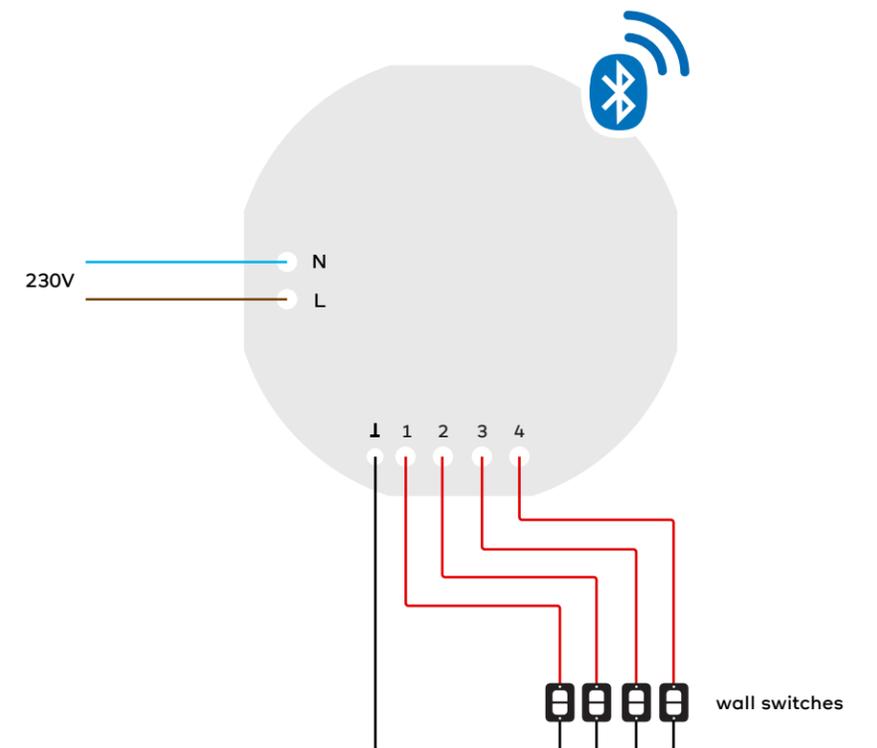
kreon casambi

4-way push button



4-way push button ① ②

KR-code	220V-240V Supply input ③	10 Power consumption max.10mA	4 Number of button inputs ④	Diameter (mm)	Depth (mm)
<u>KR762870</u>	●	●	●	53	21



REMARKS

- ① The ambient temperature should always be between 0°C and 55°C.
- ② Suitable for installation in a flush-mounted box.
- ③ Buttons must be insulated according to the supply voltage.
- ④ The maximum cable length of the button connections is 30cm.



kreon controlling devices

Casambi offers a big variety of possibilities for a user to interact with the lighting depending on the user's individual requirements. The app for smartphones, tablets and smartwatches is the most elaborated user interface. Besides the app, traditional wall switches, push buttons, Casambi's own scene controllers and many other control points can be used.

the Casambi app

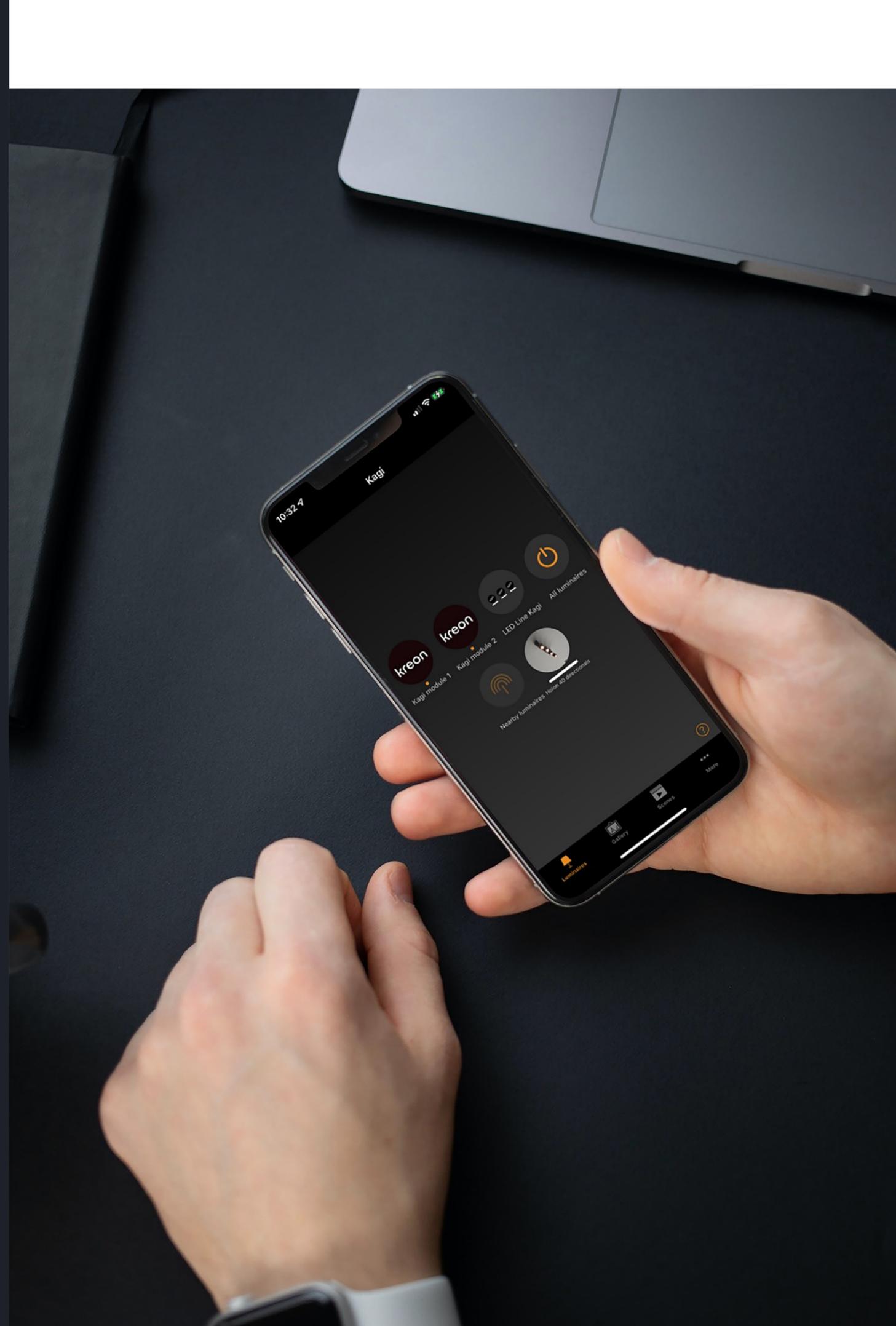
Casambi's app is designed to make it easy for anyone to commission and control lighting. The app employs intuitive gesture control: tap a luminaire to turn it on or off, swipe side-to-side to adjust brightness, up and down for colour temperature, or hold to change the colour. The unique gallery feature even lets users upload their own photos of space, mark the positions of the luminaires, and use this to select and control them.

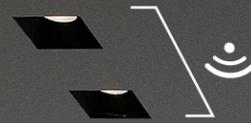
Xpress

Casambi's Xpress wireless controller can be configured to control luminaires wirelessly, dimming up and down or changing the colour temperature or balance of direct and indirect illumination. The Xpress controller can be conveniently stored on a magnetic wall-mounted plate and removed when needed.

wall switch

A small controller that can be cleverly placed inside a wall mounted push button box. This controller can be connected to a wall switch that features up to 4 push buttons allowing direct access to all the important Casambi lighting control functionalities. It creates flexibility to interior design and communication between Casambi's devices.





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