

# E-Book: Lighting



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**LOXONE**

# E-Book Lighting

**03 Smart lighting**

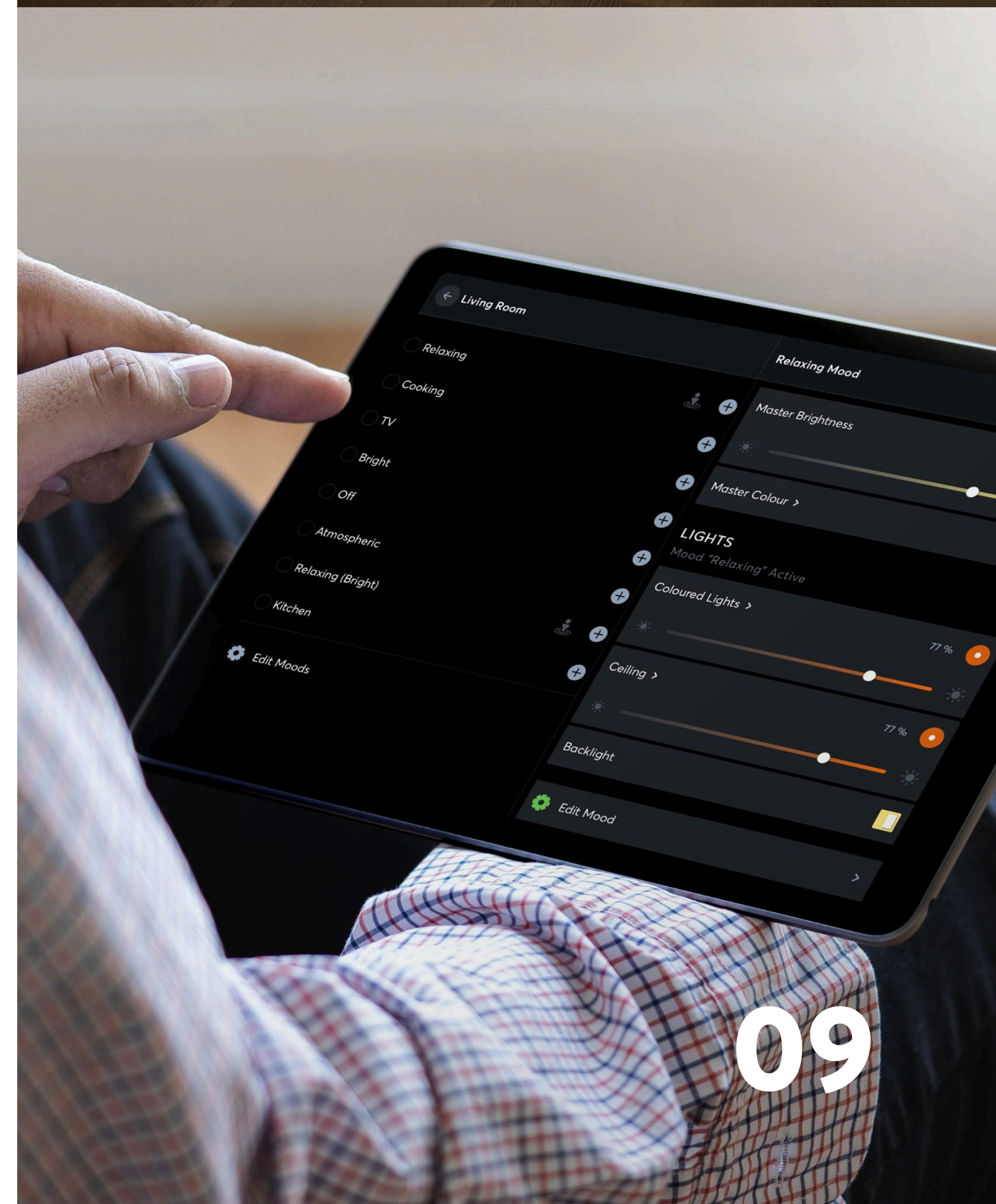
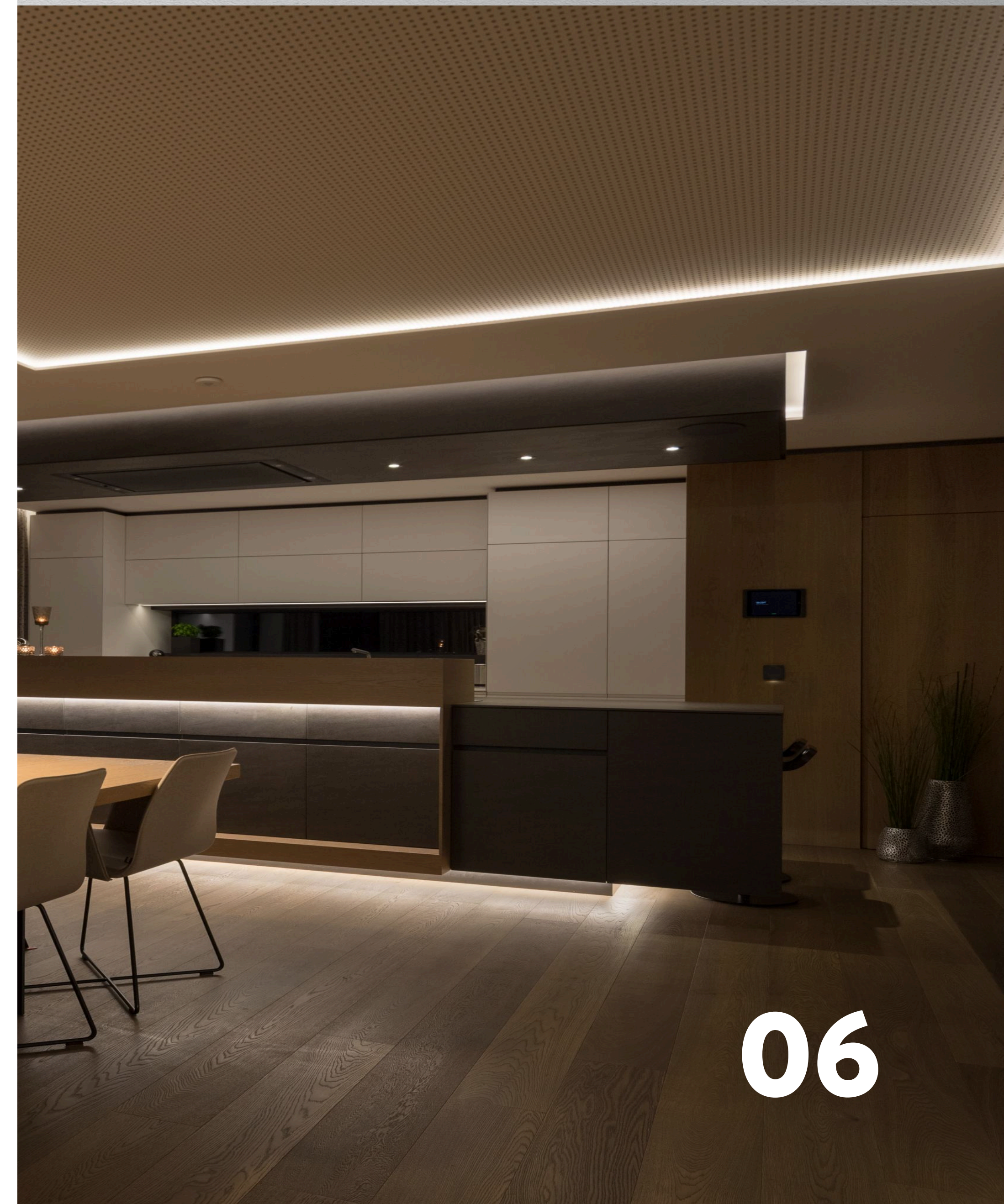
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# Smart Lighting

**The conventional light bulb, which can be switched only on and off, is very limiting when compared to modern technology. The possibilities of modern lighting go way farther today than even just a few years ago.**

Modern lighting technology allows you to adapt any room to specifically suit your customers' needs - significantly increasing their comfort levels. With the ability to adjust brightness, color or even the temperature of light – *the possibilities are endless!*

Loxone creates products that are easy to plan around and convenient to both install and control. We offer a wide range of specially developed, low-voltage lighting products that fulfill nearly any customer want, need, or preference.

① **RGBW 24V Dimmer (Air/Tree)**

Smoothly dim 24V lights such as LED Spots or LED Strips.

② **RGBW 24V Compact Dimmer (Air/Tree)**

The compact version of the dimmer has been specially developed for local use.

③ **LED Ceiling Light RGBW (Tree)**

An all-around ceiling light that includes a built-in motion sensor.

④ **LED Spot RGBW (Tree)**

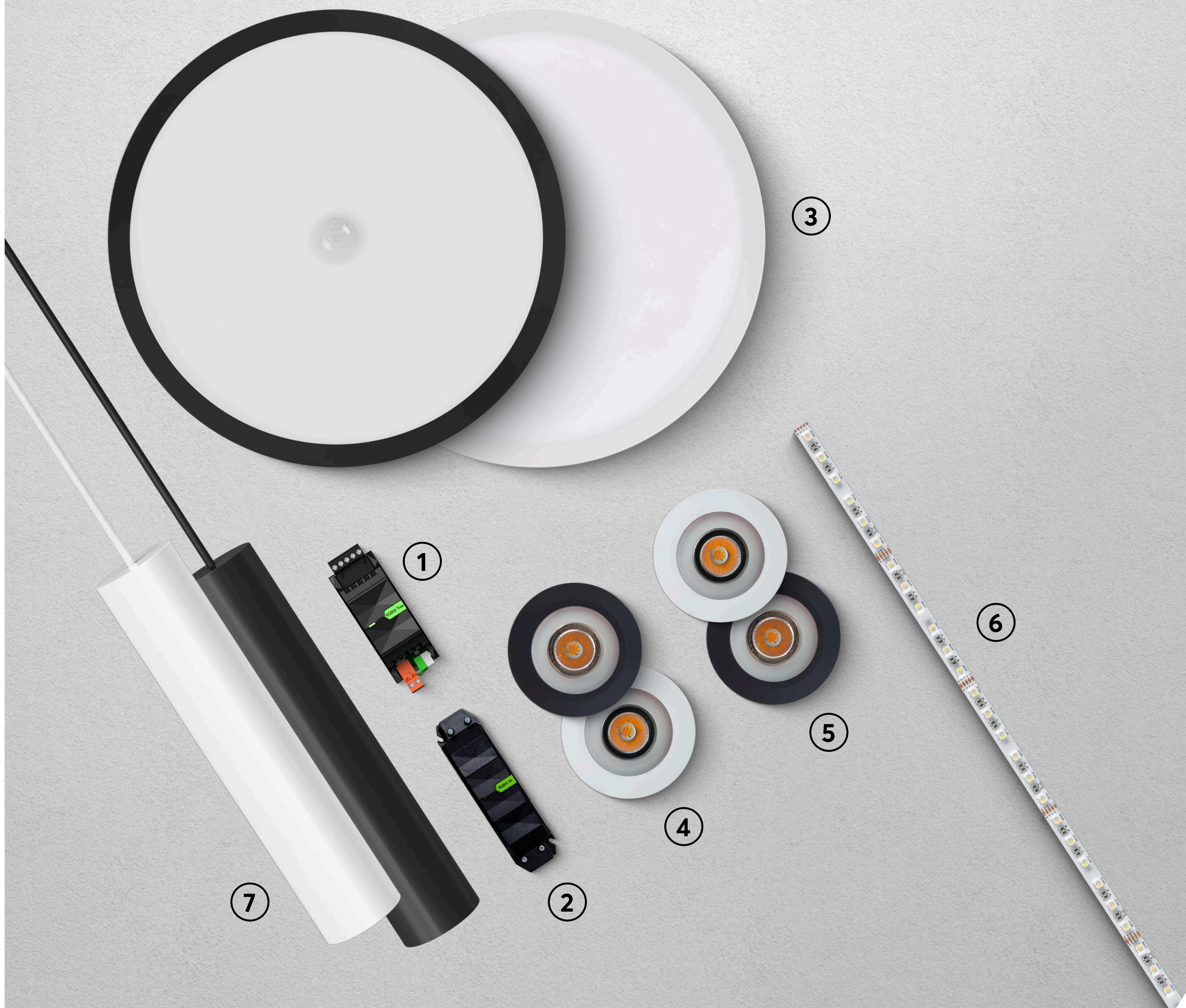
⑤ **LED Spot WW (PWM)**

⑥ **RGBW LED Strip**

Add unique, customizable color accents to any project with RGBW lighting.

⑦ **LED Pendulum Slim (Tree/PWM)**

A beautiful pendant light for any setting that combines direct light and diffused color. Like all Loxone lighting products, the LED Pendulum Slim can also be smoothly dimmed.



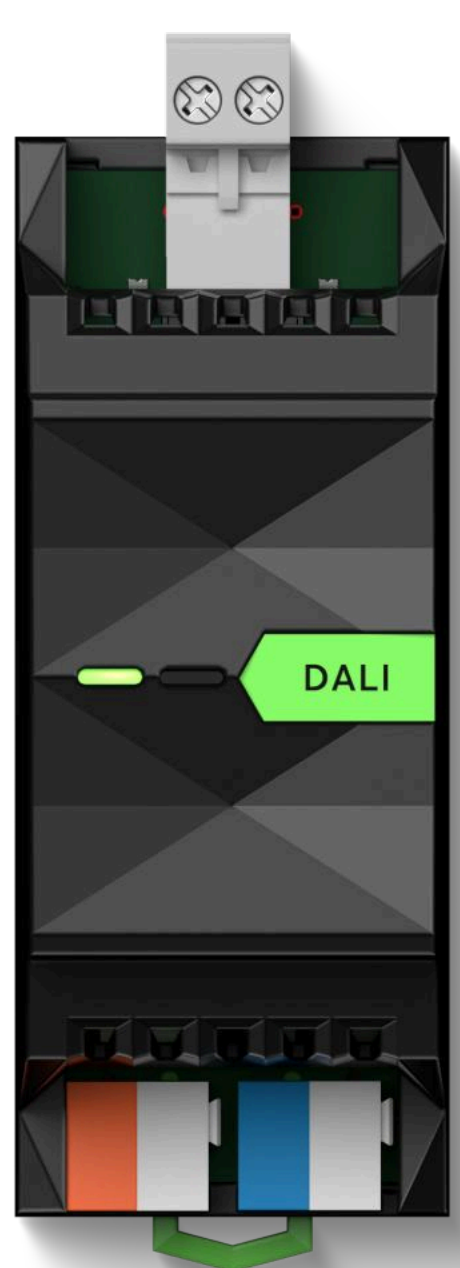
# Supported Technologies

The most common lighting technologies include

- ▶ High & low voltage LED
- ▶ DALI or DMX fixtures
- ▶ 0-10V electronic ballasts
- ▶ Third-party phase dimmable light fixtures

Control almost any type of light with Loxone using these

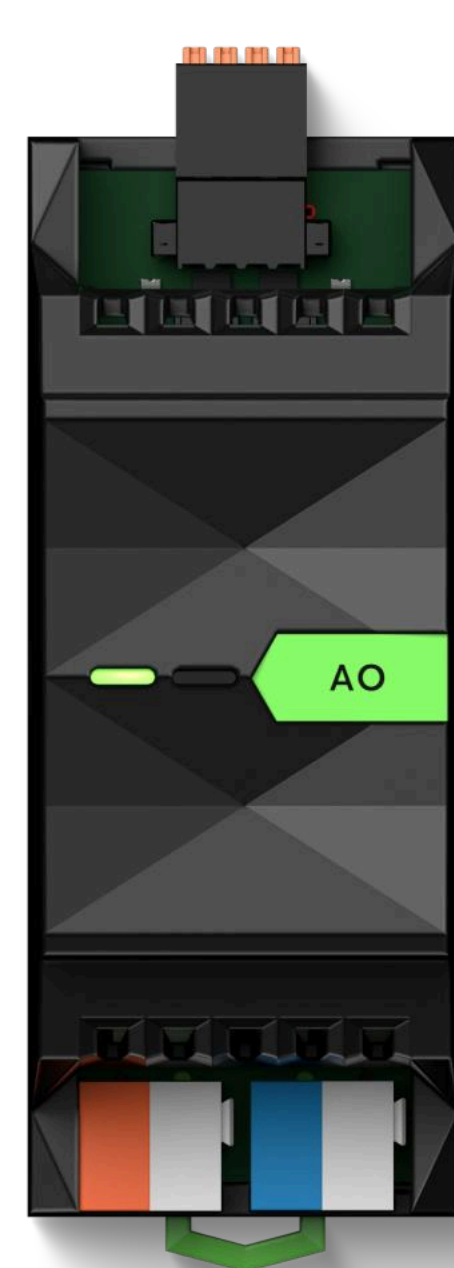
**Extensions and supported interfaces:**



① DALI Extension



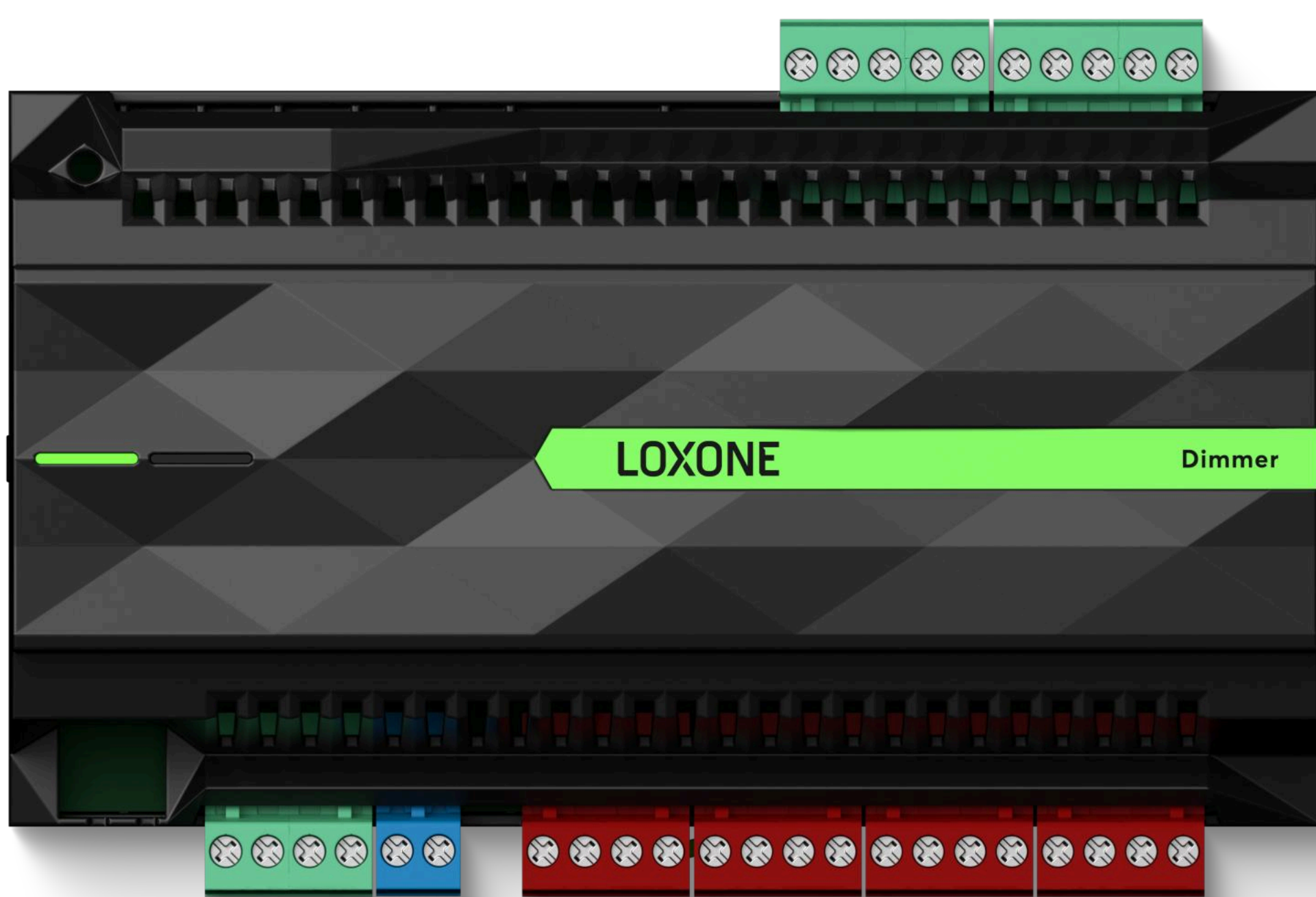
② DMX Extension



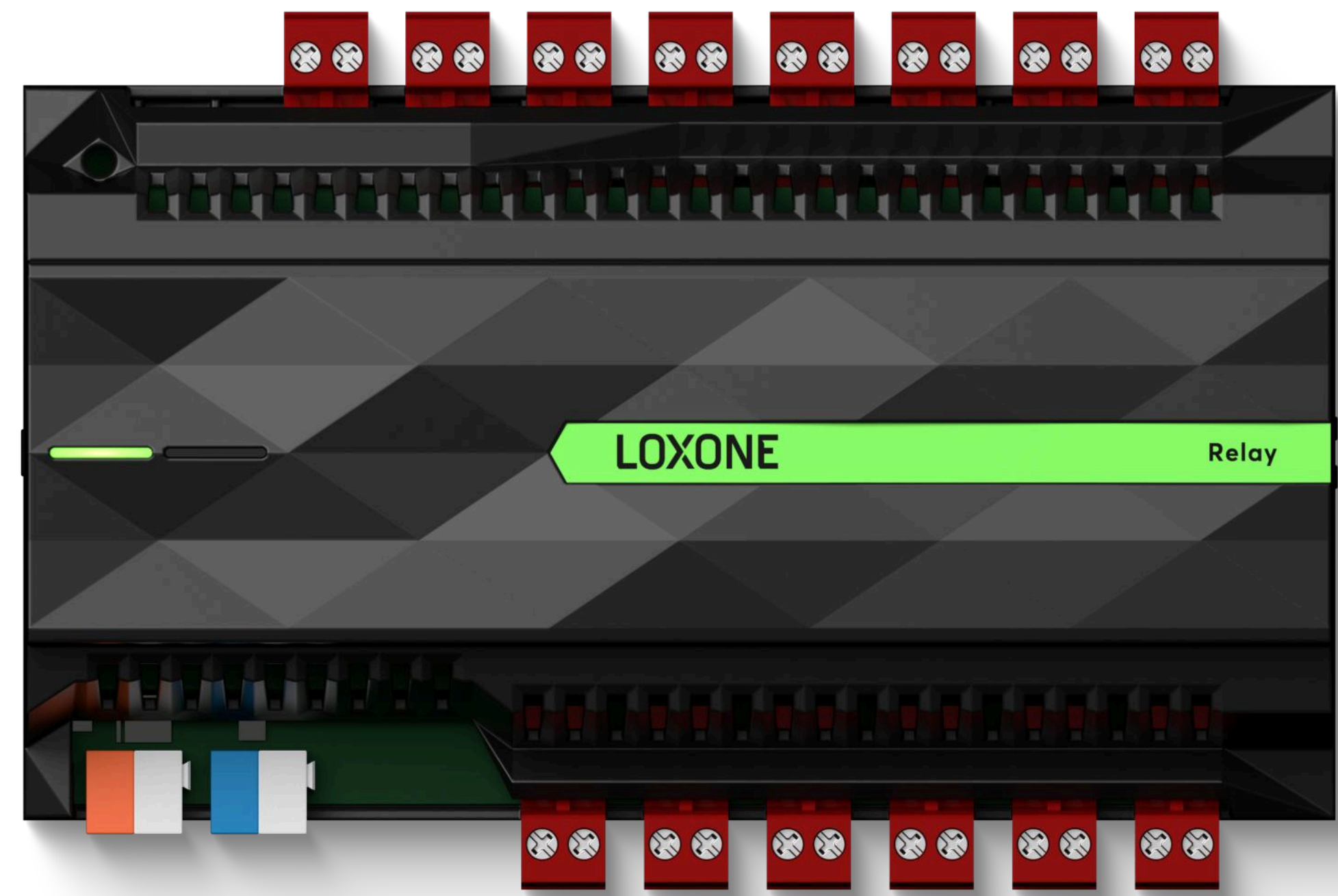
③ AO Extension (0-10V)



④ RGBW 24V Dimmer

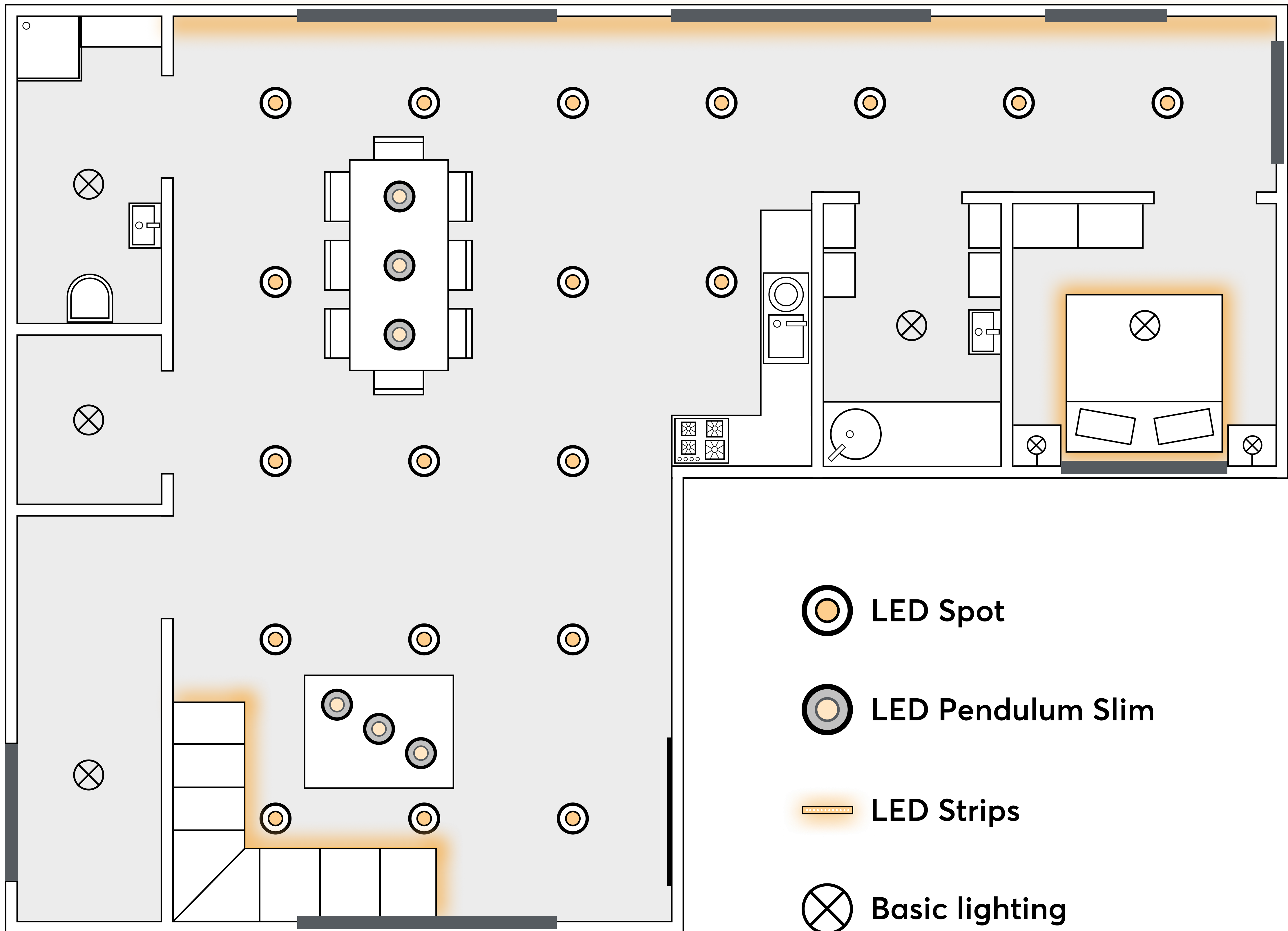


⑤ Dimmer Extension



⑥ Relay Extension

# Lighting Design



The diagram above outlines an ideal lighting design and layout for Loxone lighting in an open floor plan.

## Products featured:

- ▶ **LED Spots for core, ambient lighting**
- ▶ **LED Strips for indirect lighting, controlled by RGBW 24V Compact Dimmer**
- ▶ **3x Pendulum Slim Tree above each table**
- ▶ **Third-party pendant lights dimmed with outputs on the Dimmer Extension**

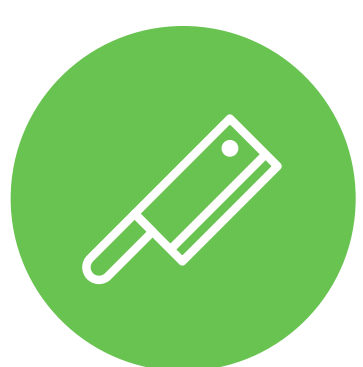


**Reduce the need to manually control lights in each room by placing Presence Sensors in them. The sensors detect motion, sound and even brightness - informing the lighting system if and when lights should turn on or off.**

With the experience of more than 300,000 projects under our belt, we know the secret to excellent lighting control is having switchable lighting moods that will activate automatically, but can also be controlled manually. Specific lighting moods are customized to customers' wishes. Here are some examples of lighting moods:



**Ambient lighting:** Natural lighting levels in the room are balanced with warm white light.



**Cooking:** In the kitchen, the focus is on task lighting provided by LED Spots and discrete lighting fills the background.



**Eating:** At the dining table, pendant lights provide a pleasant bright light while discrete lighting fills the background.



**TV:** Customers can freely define a custom atmospheric lighting mood to enjoy a movie or show.

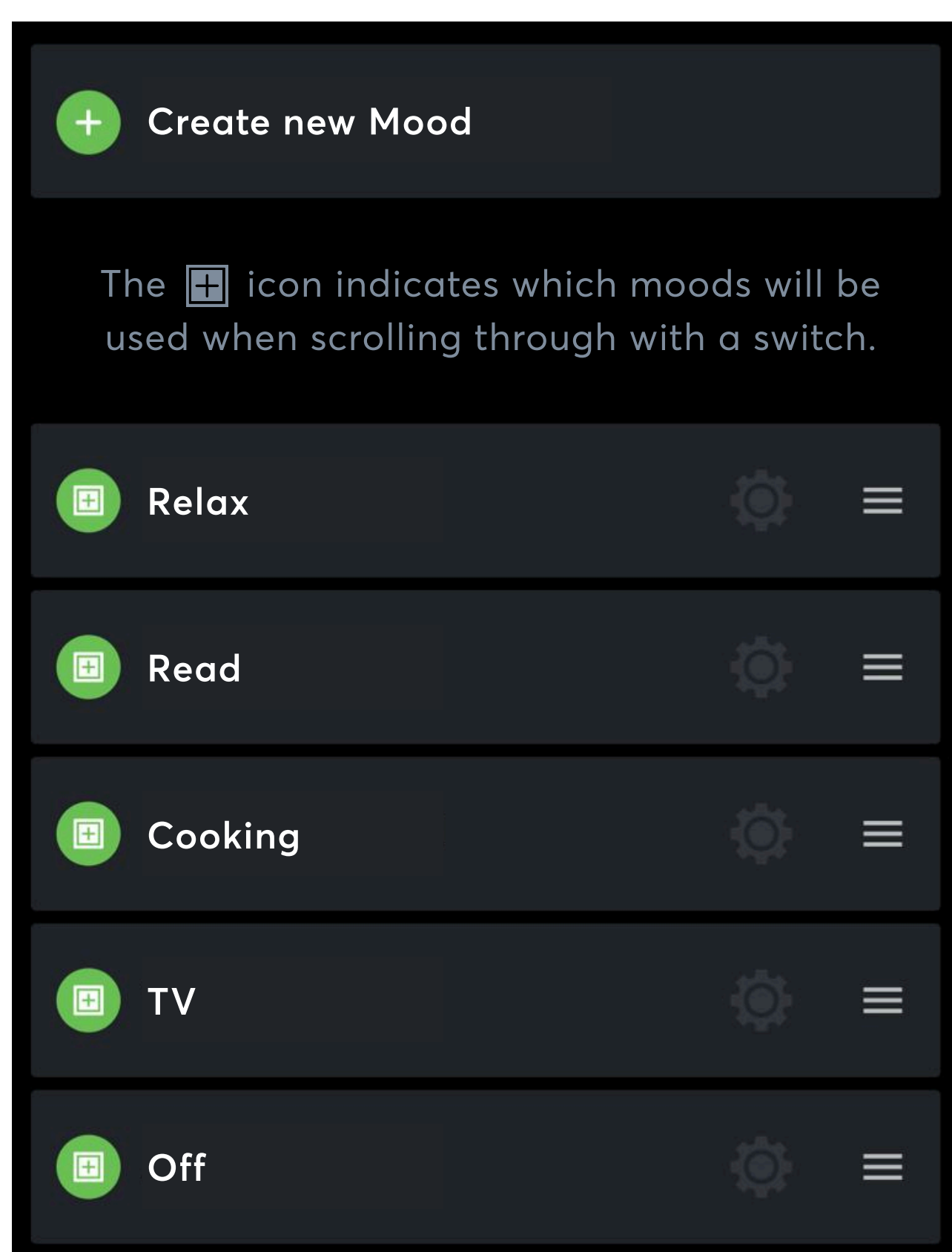


# Control via Touch

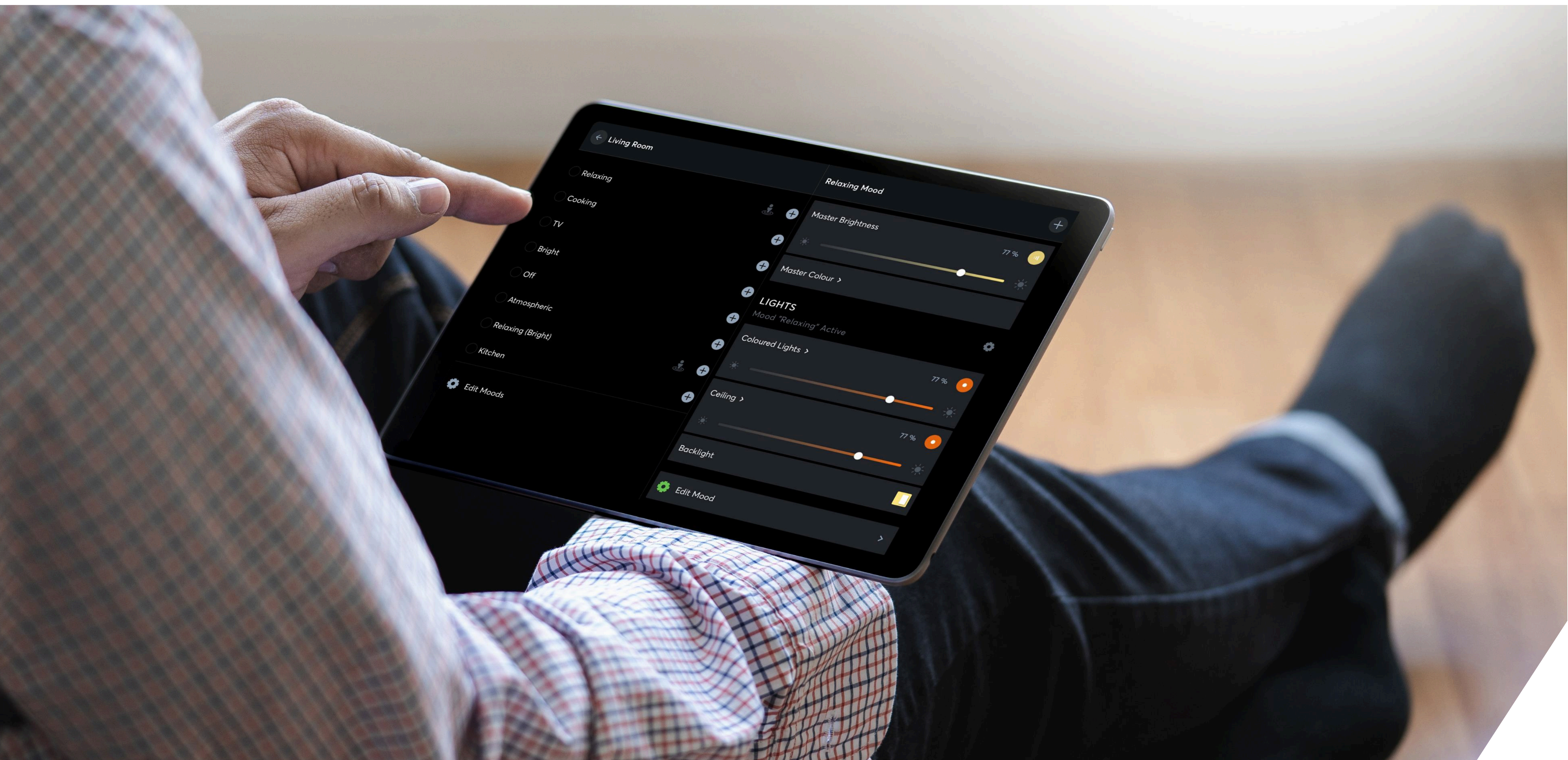
All the lighting circuits in our example are operated with just a single button on the Loxone Touch. The Loxone button standard was developed for this purpose. With each press on the center button, the next lighting mood is cycled through.

When entering a room, the ambient lighting mood will be set by default. However, control switches can change the lighting moods when needed:

- ▶ **Touch Pure in the entryway**
- ▶ **Touch Surface built into the countertop**
- ▶ **Touch Pure in the dining room**
- ▶ **Remote Air (remote control) in the living room**

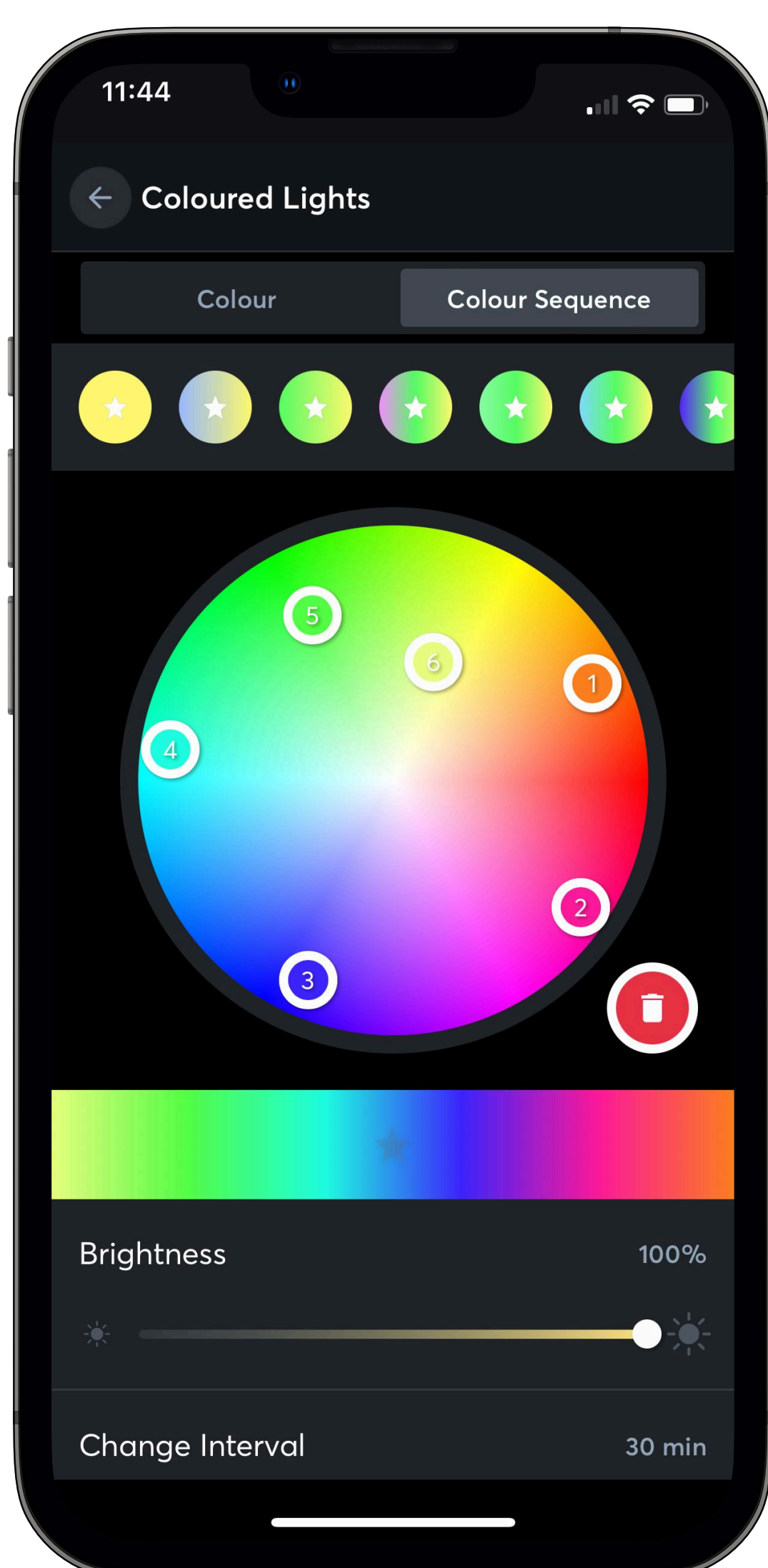


To avoid over-cycling through lighting moods, specific switches can be assigned to particular lighting moods. For example, the Remote Air in the living area can be assigned to the **TV lighting mood**. The Touch Surface can be assigned to the **Cooking lighting mood**, and so on. Lighting moods can also be combined, meaning two different moods can occur at the same time in different areas.

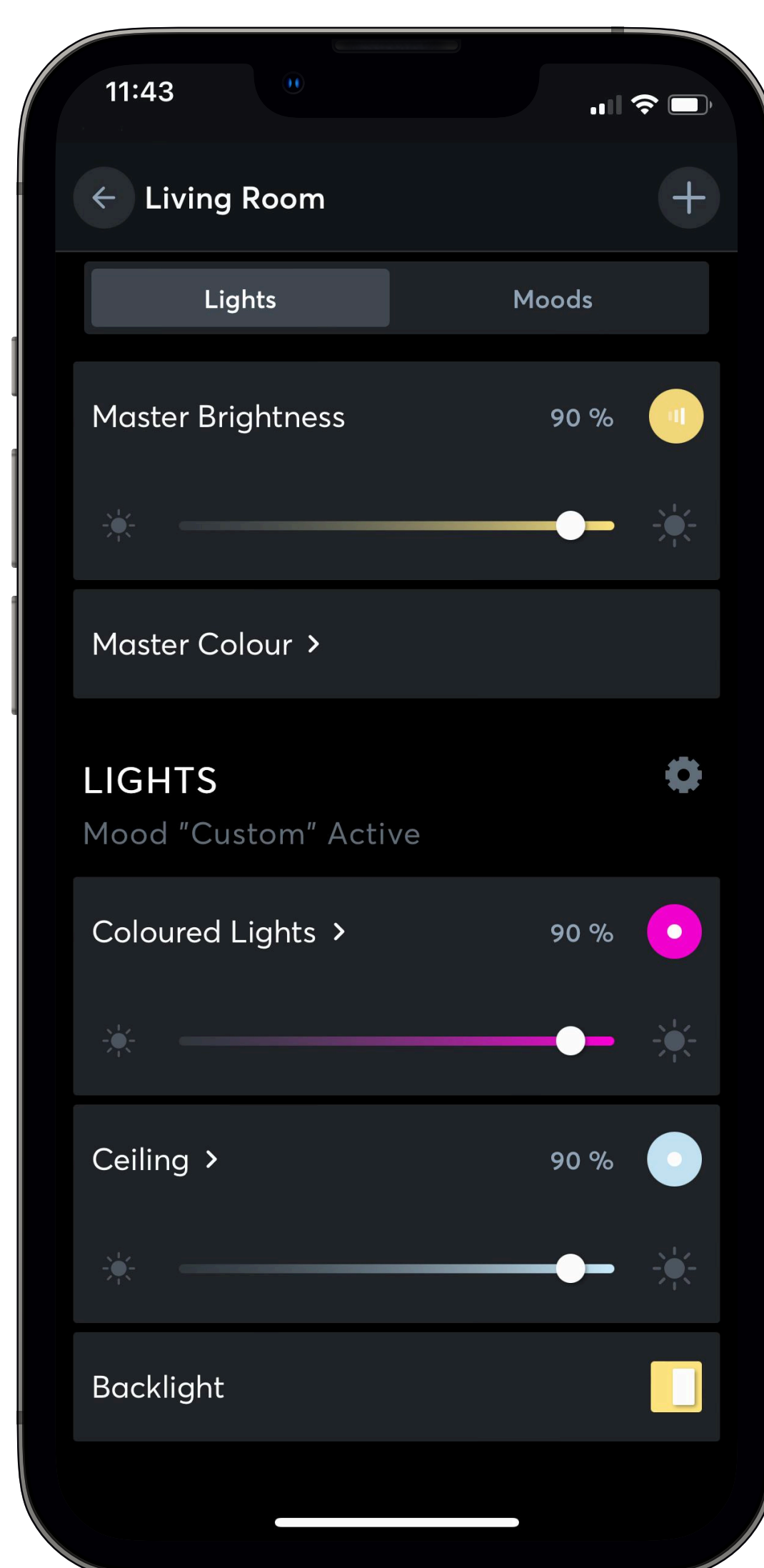


# App & Remote Control

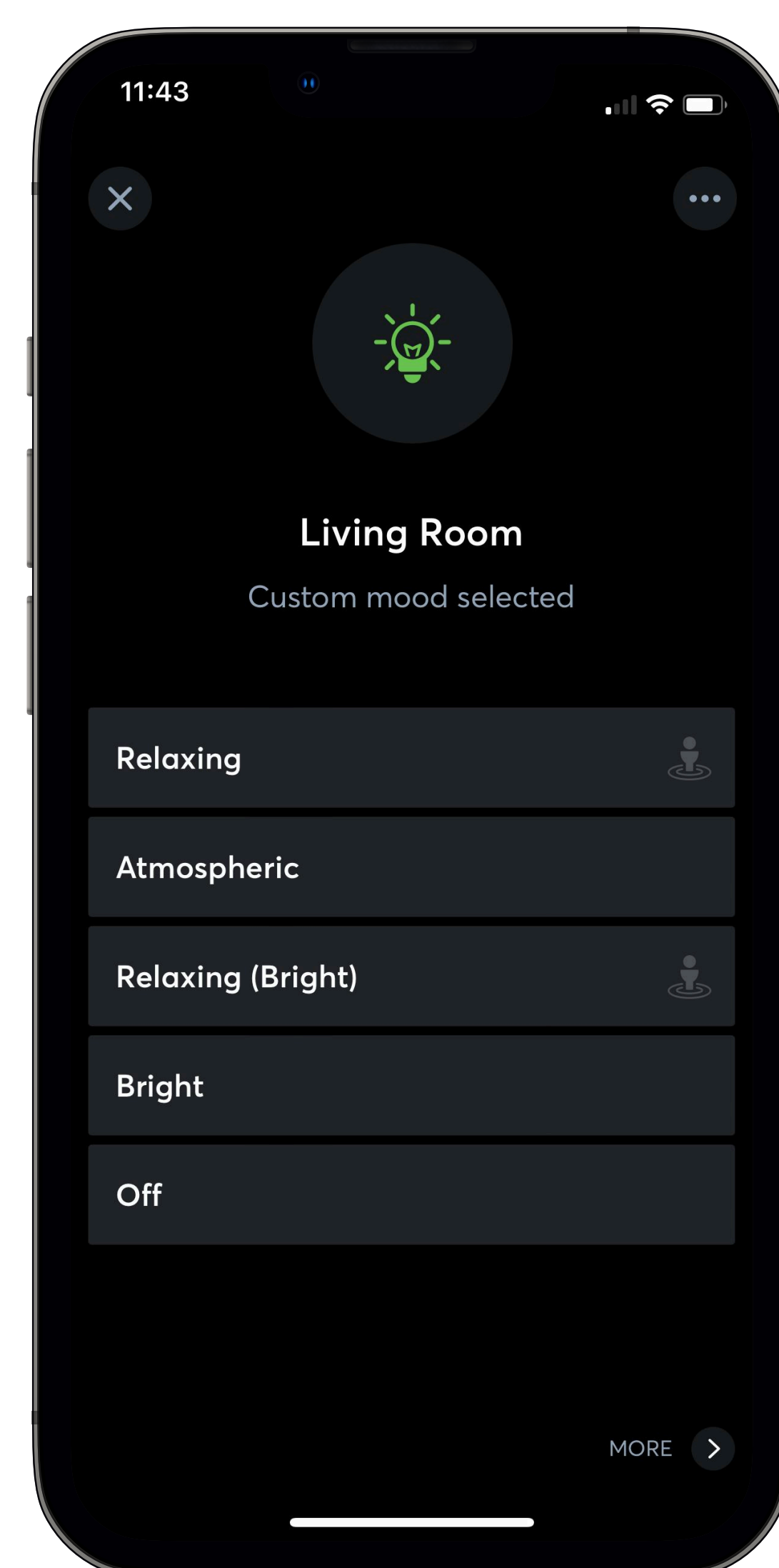
Among other functions, the Loxone App gives users comprehensive control over their lighting. With just a few taps, lighting moods can be created, edited, rearranged and cycled through or off any time from anywhere.



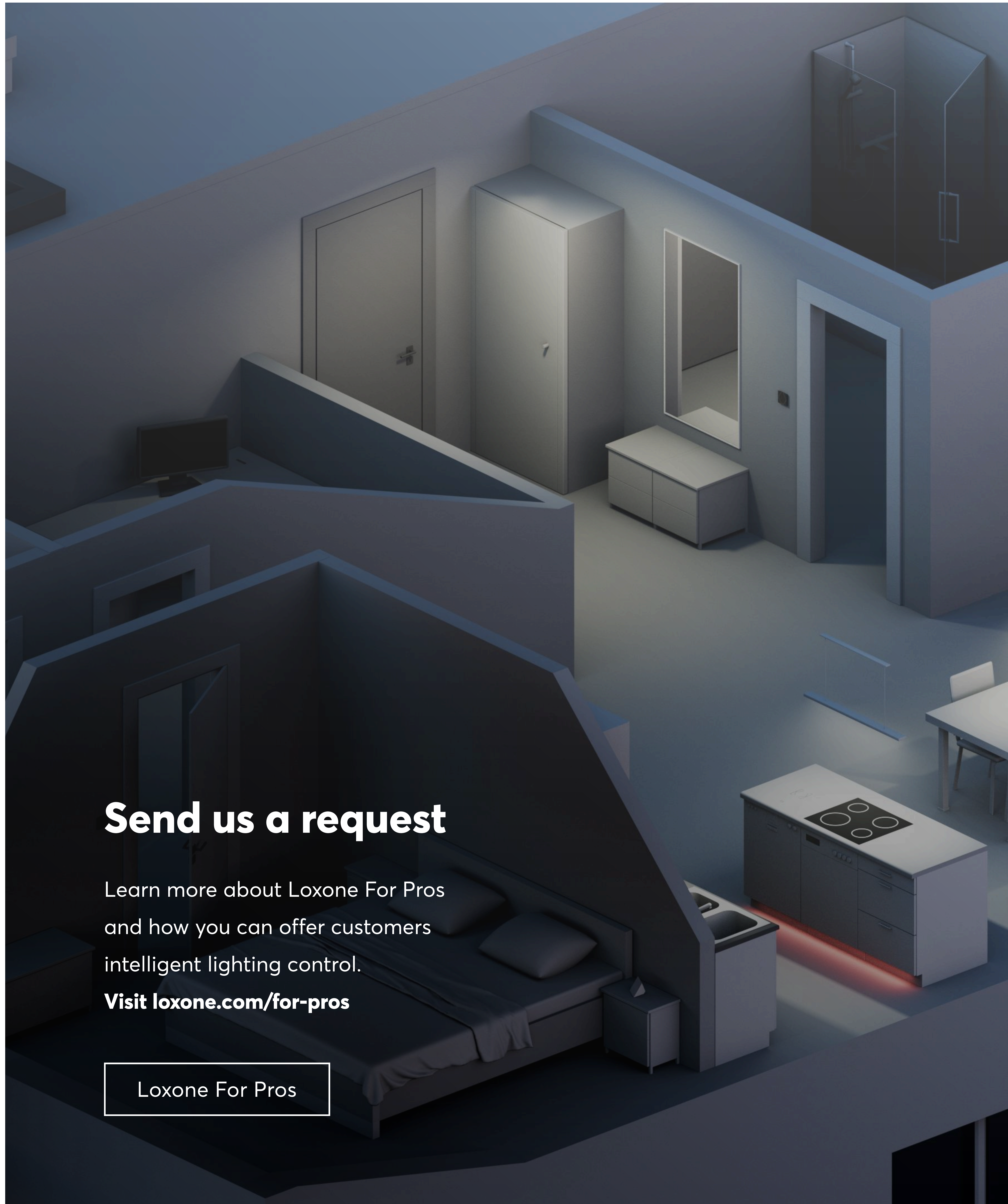
**Pick** your light color



**Customize** each light



**Save and select** a lighting mood



## Send us a request

Learn more about Loxone For Pros and how you can offer customers intelligent lighting control.

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Loxone For Pros



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