

TAPPING INTO
THE POWER OF
CONNECTED
LIGHTING



MODULAR
LIGHTING —
INSTRUMENTS

A NEW, BRIGHT WAY OF THINKING ABOUT LIGHT



‘Providing the right light, in the right amount, at the right place’ is Modular’s mission statement. Living up to that mission will be easier now that Modular architectural lighting solutions are embracing the power of connected lighting.’





“We are proud, excited even, as Modular is the very first architectural lighting company worldwide to bring the power of connected lighting to high-end residential and small office, hospitality and retail environments.”

~ A NEW ERA OF MODULAR LIGHTING

Today's consumers want to control their lifestyles and Modular wants to cater to that need. So we decided to extend our luminaires with connected lighting: lighting that includes a new dimension of intelligence - connectivity. In this way, we will allow our customers to interact with our lighting solutions, thus creating peace of mind and enhancing their wellbeing. More than that, connected lighting opens the door to smart automation: you will have access to both lighting and automation from one, single touchpoint.

~ FROM LIGHTING TO LIGHTING AUTOMATION

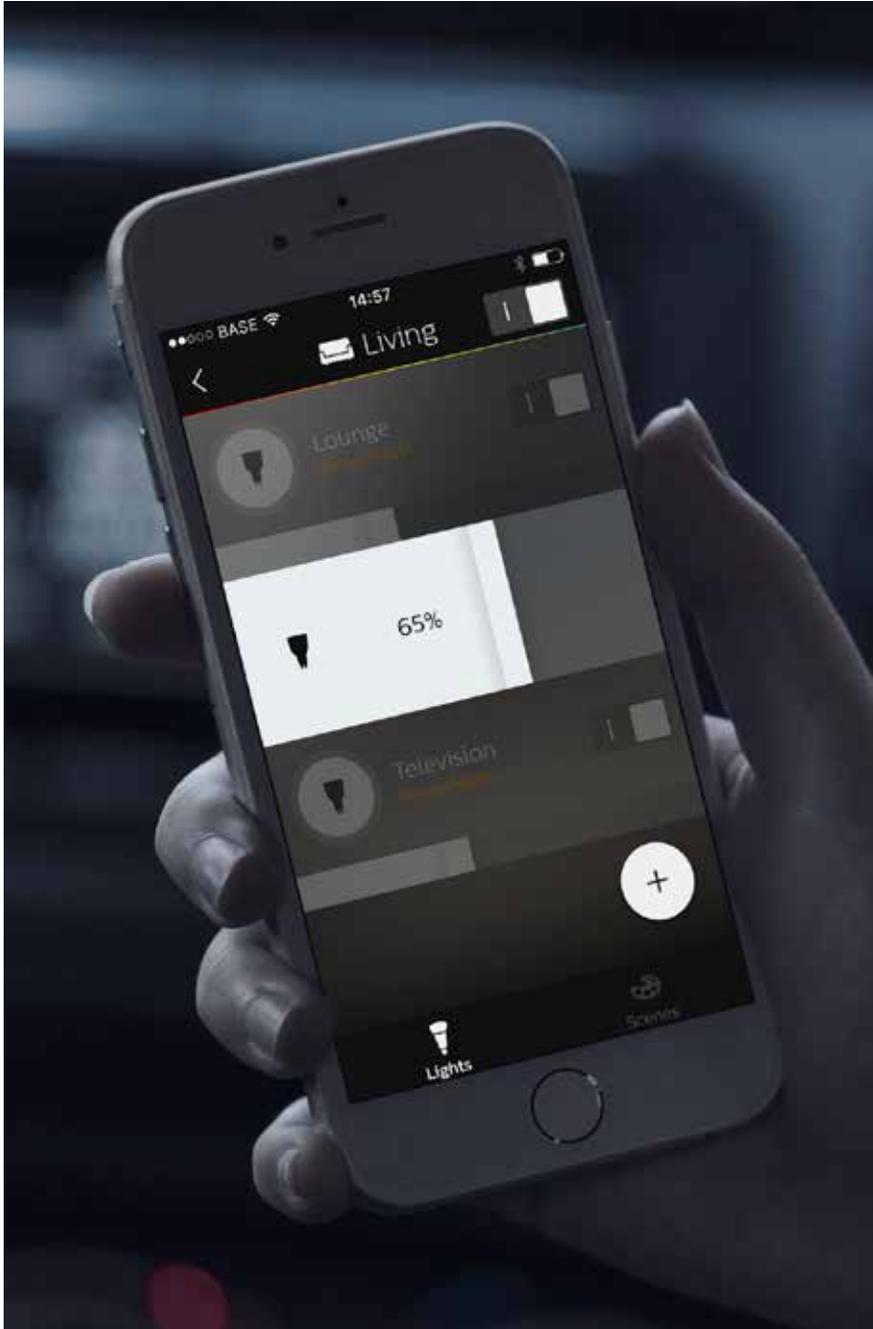
Traditional home automation systems that connect to lights, thermostats, security cameras, blinds, etc. are known to be expensive, complex and hard to retrofit. Modular wanted its customers to smoothly interact with their lights without structural changes to e.g. the wiring. The 'Friends of Hue' partnership with Philips, which allows Modular to integrate connected technology into its solutions, perfectly fits the bill.

Frederik Vanslambrouck, R&D Manager, Modular Lighting Instruments →



“We wanted to equip our existing lighting fixtures with an easy light control solution. Connecting to Friends of Hue is a fantastic first step towards a full-blown connected Modular portfolio.”



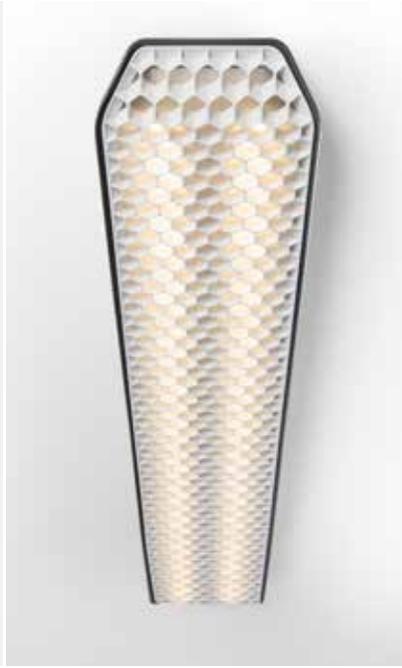


WHAT IS CONNECTED LIGHTING?

Connected lighting is a whole new way of controlling and experiencing light. It allows users to easily switch their lights on and off with just one tap or swipe, even remotely, or to activate light routines. It lets them create a particular atmosphere to fit their mood, the occasion or the task at hand. More than that, it opens the door to smart home automation, combining lighting with thermostats, blinds, sound systems and much, much more.

HOW WILL MODULAR ENABLE CONNECTED LIGHTING?

In a first step, 70% of all Modular lighting fixtures (65 product families) can now be equipped or retrofit with Philips Hue technology, enabling smart architectural lighting in new and renovation projects.



5 WAYS TO TAP INTO THE POWER OF MODULAR CONNECTED LIGHTING

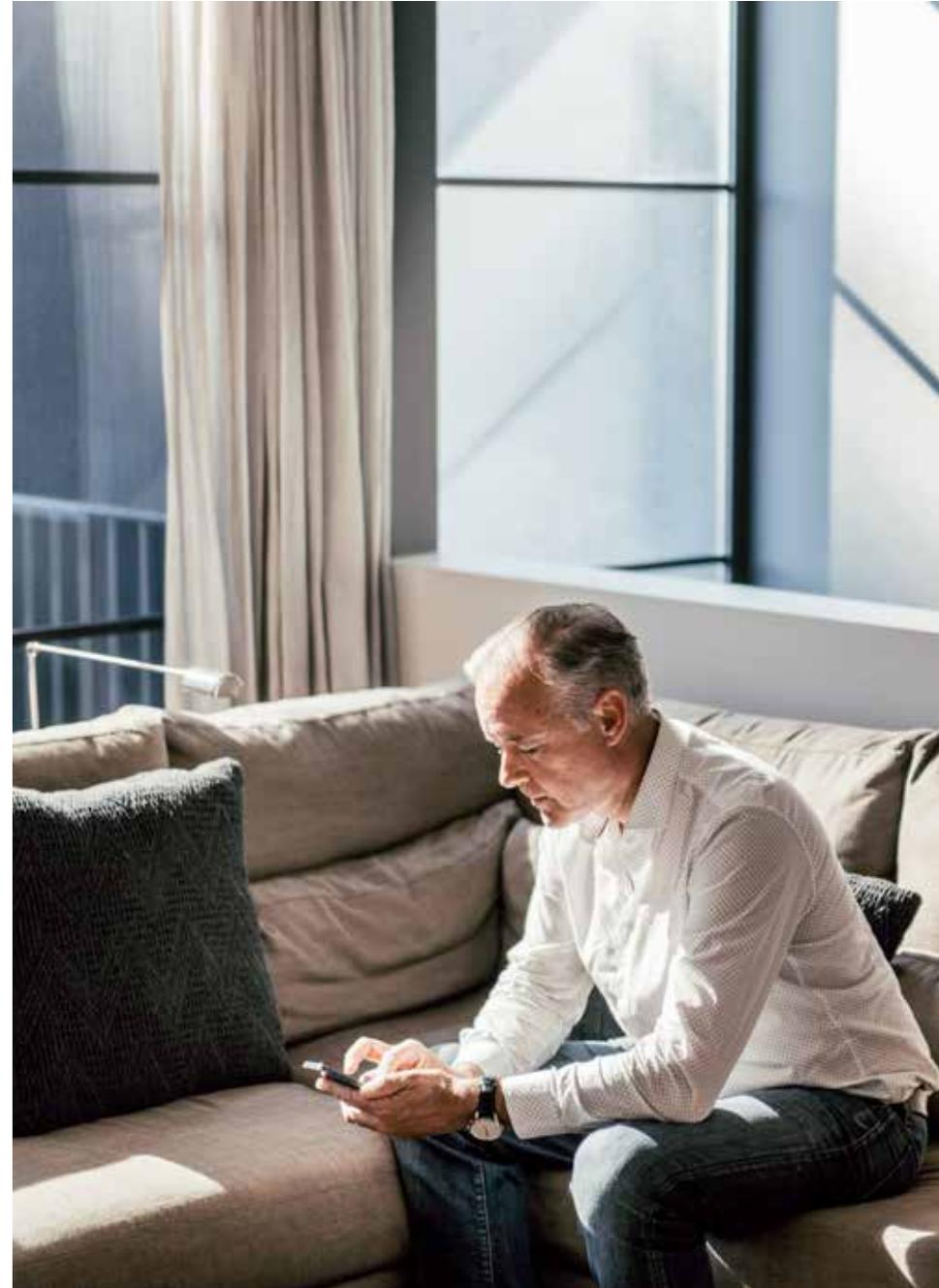


*“This is so easy to use
that soon, everyone will
have it at home.”*

Machiel Hopman Architect & partner ConsortArchitects

ConsortArchitects is a full-service architectural firm with a long history. Founded in 1947 and located in Rotterdam, ConsortArchitects boasts a very broad portfolio ranging from architecture, urban planning and construction services for schools, churches and homes. Every architectural design of ConsortArchitects is functional, modern and sustainable even while incorporating smart building techniques.

Machiel Hopman is one of the three partner architects at ConsortArchitects. He's an alumni of the Academy of Building Arts, and has been active since 2003 within the private housing market, where he launched the successful Hopman House concept that is still in use. Machiel is an all-rounder in his designs, has a sense of style and likes to incorporate beautiful details and materials into his designs to give a building its own character. Since joining ConsortArchitects in 2007, he has enlarged his work scope with the design of several residential buildings and large-scale industrial sites with complex logistics.





SMOOTHLY CONTROL THE LIGHTS

Need to unwind after a long day at work? Snuggle up on the sofa with a hot cup of tea or a glass of wine. Then dim the lights with the remote control or your smart device to create a cozy, relaxing atmosphere. Off to bed after some hours of relaxing? Switch off all the lights at once. If you've installed a Philips Hue motion sensor, it will even automatically switch off your lights as you leave the room. A similar device in your bedroom will turn on the light there as soon as it senses movement. Philips Hue makes it easy to group all the Modular luminaires in the house – from the bedroom to the kitchen – and control them together, instantly.

**Turn lights on, off or dim them
anywhere, any time**





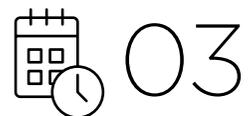
CREATE THE RIGHT AMBIANCE

A pleasant dinner with friends, a relaxing bath or the absolute need to finish the work you brought home from the office? Different tasks and occasions mean different moods and, therefore, different lighting. Modular connected lighting lets you create scenes that automatically adjust the brightness/intensity of your Modular luminaires. The result? More than creating the right ambiance and mood, this option also impacts the health and wellbeing of everyone in the house.

**Change the intensity and
brightness of lights to match the
mood, needs or task at hand**

*“Easily operating all devices in
your home via wireless technology
is in the very near future”*





ACTIVATE LIGHT ROUTINES

Wake up more energized in the morning, as the lights in your bedroom gently increases in brightness before you have to rise. Feel welcomed back home in the evening, as the lights are already on. Activate lights in the corridor at night, so the kids can see when they have to go to the bathroom. Or have your lights dim down to soothe you to sleep. Philips Hue lets users create the most diverse light schedules to support their daily routines. In this way, it enhances biological comfort and safety.

**Set light schedules for daily routines, like
wake-up, go-to-sleep, arrive home, ...**

Tom Vandorpe

Architect & partner

Buro II & Archi+I

From two architectural offices established in 1979, BURO II & ARCHI+I has grown into a multidisciplinary office committed to taking a professional approach to every project. Customers benefit from the services of an experienced, well-connected team that works from a foundation of shared values. “The way we undertake projects is based on permanently applying values that reinforce each other: sociocultural value, experiential value, building-technical value and economic value.”

After completing his studies at the Sint-Lucas School of Architecture in 1999, Tom started working as a researcher at the Maerlant Centre in Ghent under the supervision of Professor Raoul Bauer. He combined this in 2000 with seminars and lectures within the Architectural Theory program at KU Leuven. In 2001, Tom began an internship with architect Jo Crepain. Together with architect Paul Vantieghem, he established Leon Architects in 2003. In 2005, he began working freelance for various projects within BURO II & ARCHI+I. Since 2011, Tom has been head of design, a partner at BURO II & ARCHI+I and a member of the management team.





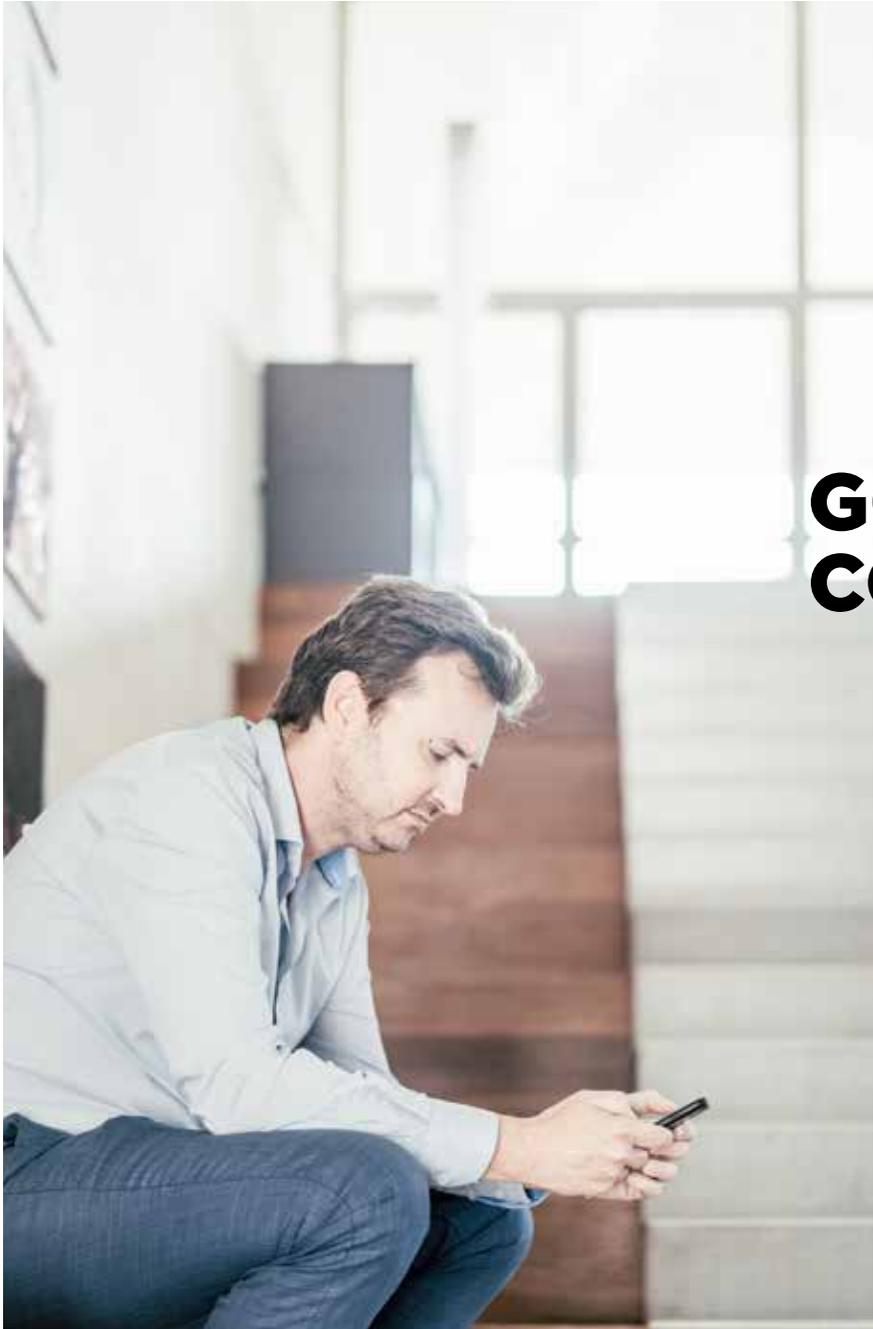
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MANAGE YOUR LIGHT ANYWHERE, ANY TIME

Modular connected lighting gives complete peace of mind and keeps you safe. Want to be sure that all your lights are switched off when you leave the house or turned on automatically when you get home? Let the 'home or away' mode take care of that. Or, better still, 'Geofencing' technology can do it for you, without you touching a button. Philips Hue even lets you control your lights from anywhere on the globe, through the Philips Hue portal. So that you can simulate your presence, for example, and, consequently, discourage uninvited visitors.

Let the 'home or away' or 'geofencing' technology help to control your light

“My house is entirely equipped with connected lighting. I enjoy the user-friendliness and the ambiance that it creates every day.”



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GO ALL-CONNECTED

Controlling the lights and creating lighting schedules or ambiances is just the beginning. Thanks to the huge Friends of Hue ecosystem, Modular luminaires communicate seamlessly with an ever-growing family of devices, sensors and apps. Controlling lights via voice, turning on the lights when the window blinds go down or when you open the front door, syncing the lights with music, TV or games – the possibilities seem endless and are growing day by day.

Sync light with the Friends of Hue ecosystem (movies, music, thermostats, etc.)

WHERE CAN YOU ENJOY MODULAR CONNECTED LIGHTING?

Hue allows you to control and experience light in a whole new way. It's great for homes. But just as easy and comfortable in small and medium-sized office environments, in restaurants or hotel lobbies or in smaller shops and boutiques.



Residential



Boutiques



Small & medium-sized offices



Hotel lobbies, bars & restaurants

MODULAR CONNECTED LIGHTING: THE BUILDING BLOCKS

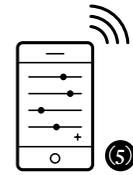
Getting started ...

At the heart of Modular's connected luminaires are the **Modular connected 1-10V white component** (1) or the **Philips Hue bulbs** (2) and **bridge** (3) – plus a **Wi-Fi network** (4). The Philips Hue bridge enables users to control all the Philips Hue products via the **Philips Hue app** (5). So whether you install **Modular luminaires** (6) that integrate the Modular connected 1-10V white component, retrofit existing (Modular) luminaires with Philips Hue bulbs or even add Philips Hue lightstrips, you'll connect and control them all with a single swipe or touch!

... or use optional controls

Do you prefer a 'physical switch'? Use the **Philips Hue tap switch** (piezo-based) (7) or the battery-powered **dimmer switch** (8) as a remote control to dim or turn on/off the lights. The tap switch even allows you to select preconfigured scenes. Want to take it a step further still? Connect the **Philips Hue motion sensor** (9) to the bridge via the app and install it in a room. The wireless, battery-powered device will automatically turn on your lights – according to the lighting scenario or setting you choose – when it detects motion and off again when you leave.

WIRELESS CONTROLS



PHILIPS HUE APP



PHILIPS HUE TAP SWITCH

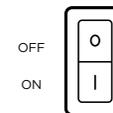


PHILIPS HUE DIMMER SWITCH

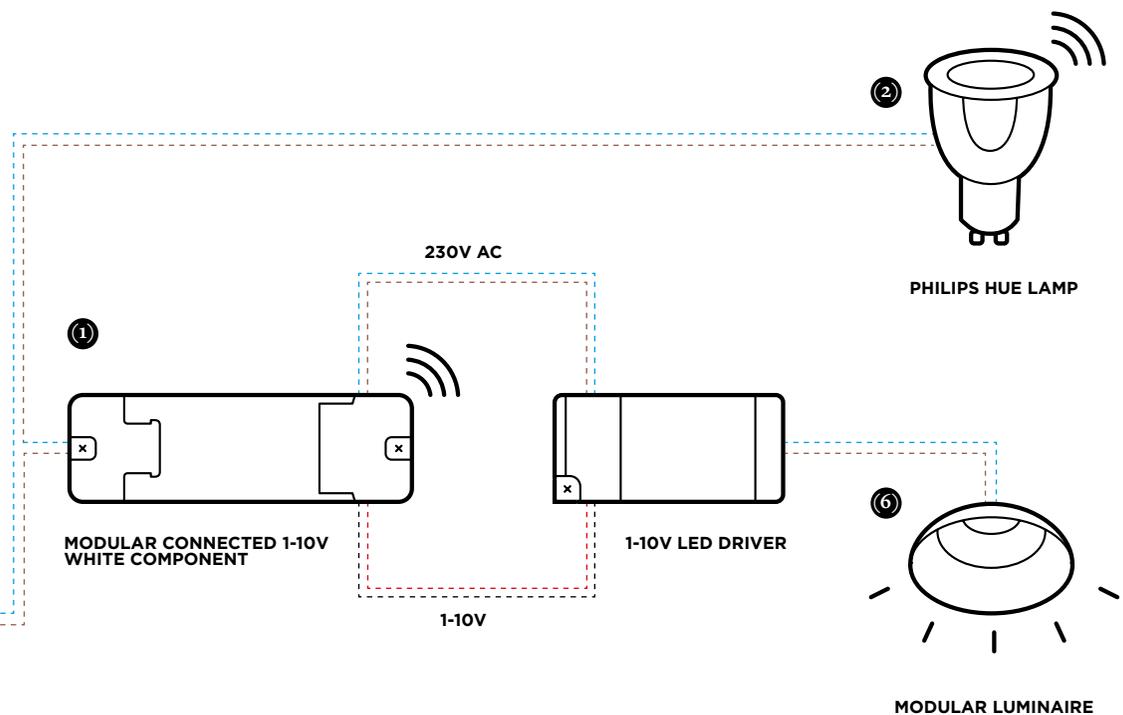
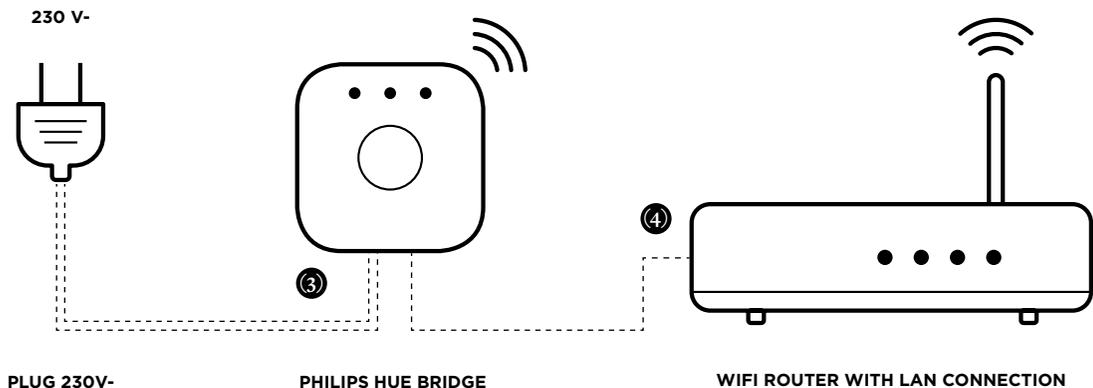


PHILIPS HUE MOTION SENSOR

CONVENTIONAL CONTROLS



CONVENTIONAL SWITCH



Control up to 500 Modular luminaires

You can combine and control up to 50 Philips Hue components. And as the Modular connected 1-10V white component allows you to group your lighting fixtures (1-10V drivers), you can empower up to 500 different Modular luminaires with smart lighting.

CONVENTIONAL CONTROLS

WHY YOU'LL **LOVE** MODULAR'S CONNECTED LUMINAIRES

There's a wide range of smart light systems on the market. What is it that makes Modular's connected luminaires so special?

A PROVEN SOLUTION

Philips Hue is the proven market leader in connected lighting systems. Its smart solutions have proven their worth in millions of homes around the world, where people love them for their ease-of-use and reliability.

TAP INTO THE FRIENDS OF HUE ECOSYSTEM

Like we illustrated, Philips Hue is a popular open platform with an ever-growing selection of available apps that allow you to be creative with light.

EASY TO INSTALL AND USE

Connecting Modular luminaires to Philips Hue is a breeze: just install the Modular fixture with the Modular connected 1-10V white component or screw in the Philips Hue bulbs, set up the Hue bridge, download the app and/or connect the dimmer switch. Then you're ready to start controlling your Modular luminaires.

ARCHITECTURAL LIGHTING + AUTOMATION FROM ONE, SINGLE TOUCHPOINT

Modular is the very first architectural lighting company that combines its high-tech luminaires with the power of connected lighting. That means that architectural lighting and automation are now available from a single touchpoint, at a very affordable price.

RELIABLE AND SECURE

Philips Hue uses ZigBee, an open, global standard for connected lighting applications that is praised worldwide for its innovative features, ease of use and its reliability.

PRODUCT SPECIFICATIONS

DEVICES

			
Description	Modular connected 1-10V white component	Philips Hue bridge - EU	Philips Hue bridge - UK
Article number	13190030	70000616	70000617
Power supply	198-253V AC / 50-60Hz	100-240 V AC / 50-60Hz	100-240 V AC / 50-60Hz
Power consumption	0,3W (stand-by)	3W	3W
IP	20	20	20
Lifetime	50k hours	30k hours	30k hours
Dimensions	127mm x 46mm x 32mm	88 mm x 88 mm x 26 mm	88 mm x 88 mm x 26 mm
Weight	0,09KG		
Range	12m		
Features	<ul style="list-style-type: none"> • connect up to 10 1-10V drivers (max. 400VA) 	<ul style="list-style-type: none"> • connect up to 50 Modular connect 1-10V white components or bulbs and strips, and max. 12 controls 	<ul style="list-style-type: none"> • connect up to 50 Modular connect 1-10V white components or bulbs and strips, and max. 12 controls

PRODUCT SPECIFICATIONS

OPTIONAL CONTROLS

			
Description	Philips Hue tap switch	Philips Hue dimmer switch	Philips Hue motion sensor
Article number	70000615	70000614	70000847
Power supply	kinetic energy provided by your button touch	battery powered	battery powered
IP	20	20	42
Lifetime	50.000 clicks	50.000 clicks	
Dimensions	75mm x 25mm	115mm x 70mm x 14mm (wall plate) 92mm x 35mm x 11mm (remote)	55mm x 55mm x 29mm
Range	15-30m (depending on local circumstances)	12m (depending on local circumstances)	5m (100-degree detection angle)
Features	<ul style="list-style-type: none"> • connect up to 25 tap switches to the bridge • 4 configurable buttons • Wall mountable 	<ul style="list-style-type: none"> • connect up to 12 dimmer switches to the bridge 	<ul style="list-style-type: none"> • connect up to 12 motion sensors to the bridge

PRODUCT SPECIFICATIONS

BULBS & STRIPS

				
Description	Philips Hue warm white E27 bulb	Philips Hue tunable white E27 bulb	Philips Hue RGBW E27 bulb	
Article number	70000611	70000620	70000612	
Socket	E27	E27	E27	
CCT (min - max.)	2700k	2200-6500K	2000-6500K	
CRI	CRI 80+	CRI 80+	CRI 80+	
Power supply	100-240 V AC / 50-60Hz	100-240 V AC / 50-60Hz	100-240 V AC / 50-60Hz	
Power consumption	9,5W	9,5W	9W	
Output (min - max.)	806lm	400-806lm	342-806lm	
Dimmable / not dimmable	Dimmable	Dimmable	Dimmable	
RGBW	no	no	yes	
IP	20	20	20	
Lifetime	25K hours	25K hours	25K hours	
Features				



	Philips Hue tunable white GU10 bulb	Philips Hue RGBW GU10 bulb	Philips Hue RGBW LED strip - 2m set	Philips Hue RGBW LED strip - 1m extension
	70000621	70000613	70000618	70000619
	GU10	GU10	n/a	n/a
	2200-6500K	2000-6500K	2200-6500K	2200-6500K
	CRI 80+	CRI 80+	CRI 80+	CRI 80+
	100-240 V AC / 50-60Hz	100-240 V AC / 50-60Hz	100-240 V AC / 50-60Hz	100-240 V AC / 50-60Hz
	5,5W	6,5W	10,25W/m	10,25W/m
	129-292lm	145-250lm	300-800lm/m	300-800lm/m
	Dimmable	Dimmable	Dimmable	Dimmable
	no	yes	yes	yes
	20	20	20	20
	25K hours	25K hours	20K hours	20K hours
			<ul style="list-style-type: none"> including power adaptor extendable up to 10 meter 	



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