

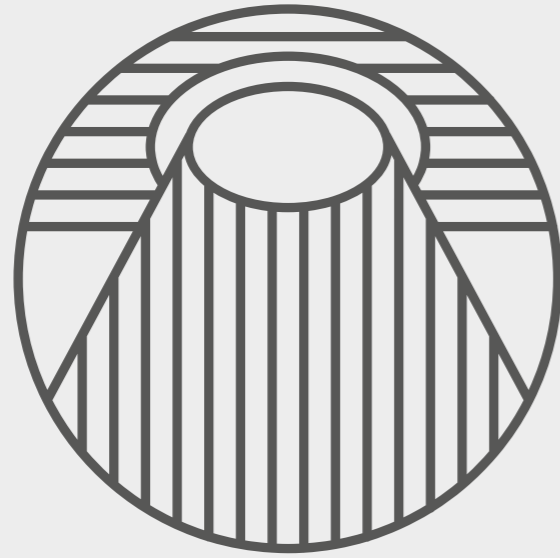
LUMICA® Lighting technology

LUMICA® LIC LED system



Smart lighting –
skilfully staged!

Naber
...inspires!



Lighting technology

LUMICA® Lighting technology

Custom room lighting design
for just the right light

LUMICA® LIC LED system

Design lighting
just the way you want it –
fast, inviting, clever

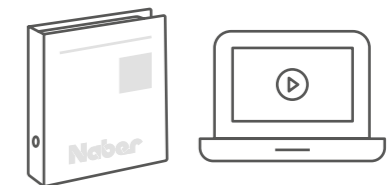


"Smart lighting" makes your ideal atmosphere a reality, both indoors and outdoors.

Small accents, big impact: lighting cues in the kitchen

They've been gracing the stage for centuries: lighting cues where different lights and colours are controlled centrally. Now you can get this same effect, albeit much more refined, in your own home with "smart lighting" for making your ideal atmosphere a reality. Based on the latest in LED lighting technology and network-capable control units that communicate with each other and with external devices, the new **LIC LED system** from Naber is the perfect platform for smart lighting – and as always is of the absolute best quality. Thanks to modular Plug-and-Play technology, the system is safe and easy to install and configure.

The standard packages comes with four modules that can be combined as required. And of course we have a wide range of available lights with different designs and functions to satisfy every desire.



More information and lighting products can be found in our 1 BASIC catalogue and online at: www.naber.com/lic

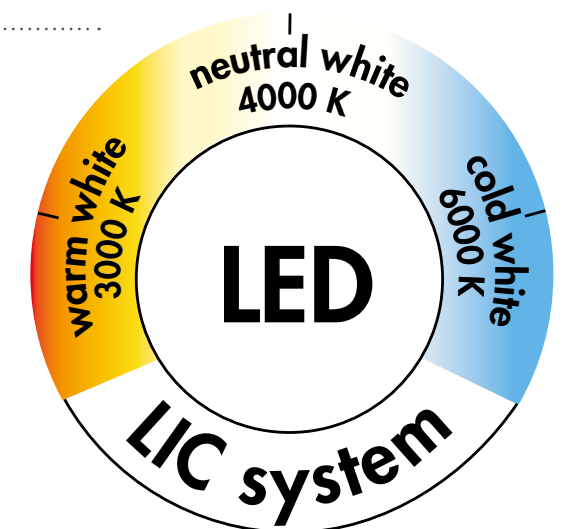


Naber[®] LIC LED system

With the LIC LED system from Naber, there are all sorts of ways to achieve individual lighting concepts in the kitchen and adjacent living areas. Installation is quick and uncomplicated thanks to simple Plug-and-Play technology. And thanks to the comprehensive range of LIC products, you can combine all sorts of lights and lighting types into lighting groups to create an incredibly individual LED lighting installation.

My
individual
lighting set-up
in the kitchen,
...

Every light in the Naber catalogue that has this symbol can be combined and controlled using the converter and control units. And all lights also function as individual lights.



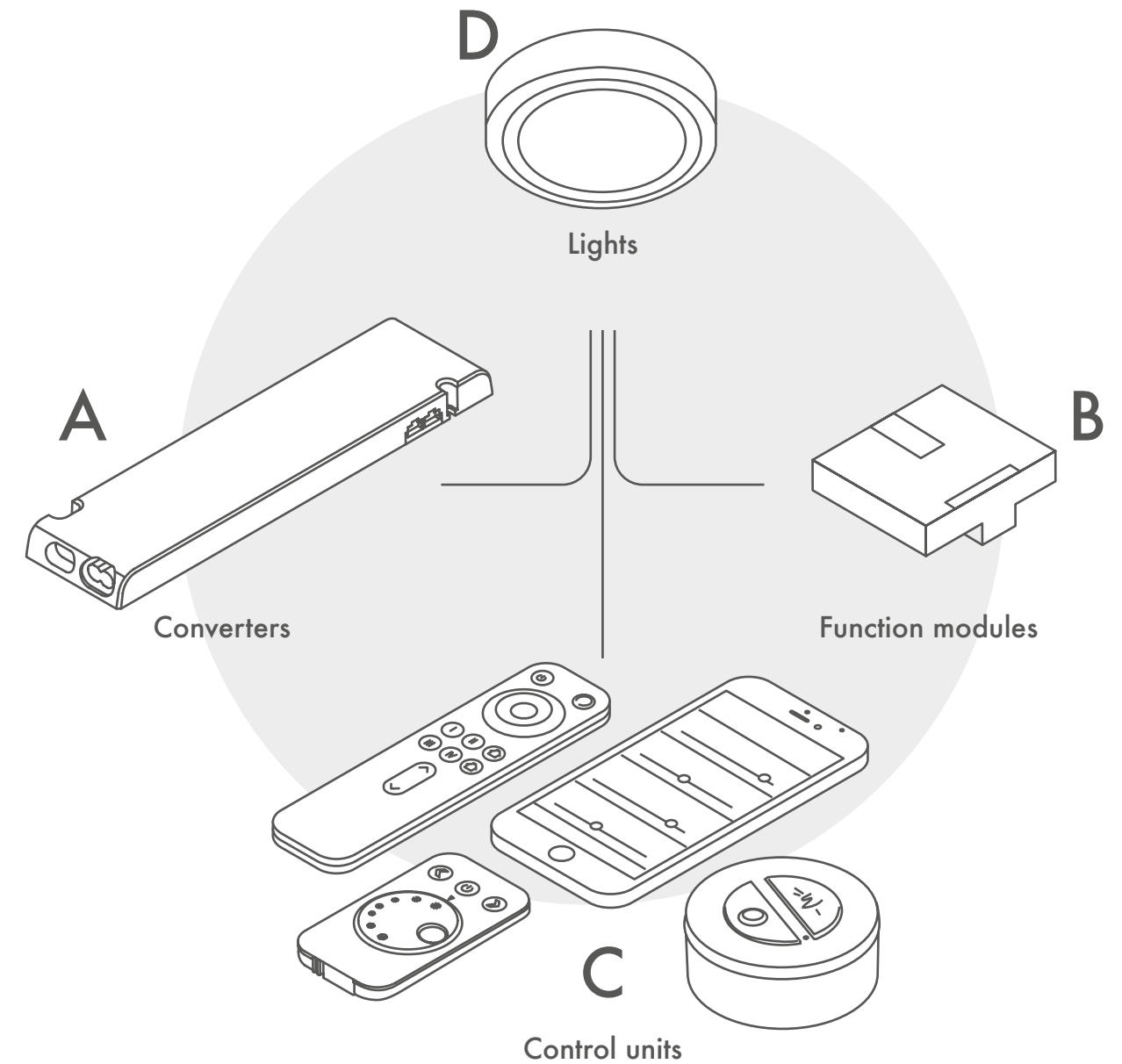
... in the office,
and in all
the other areas
of my home.



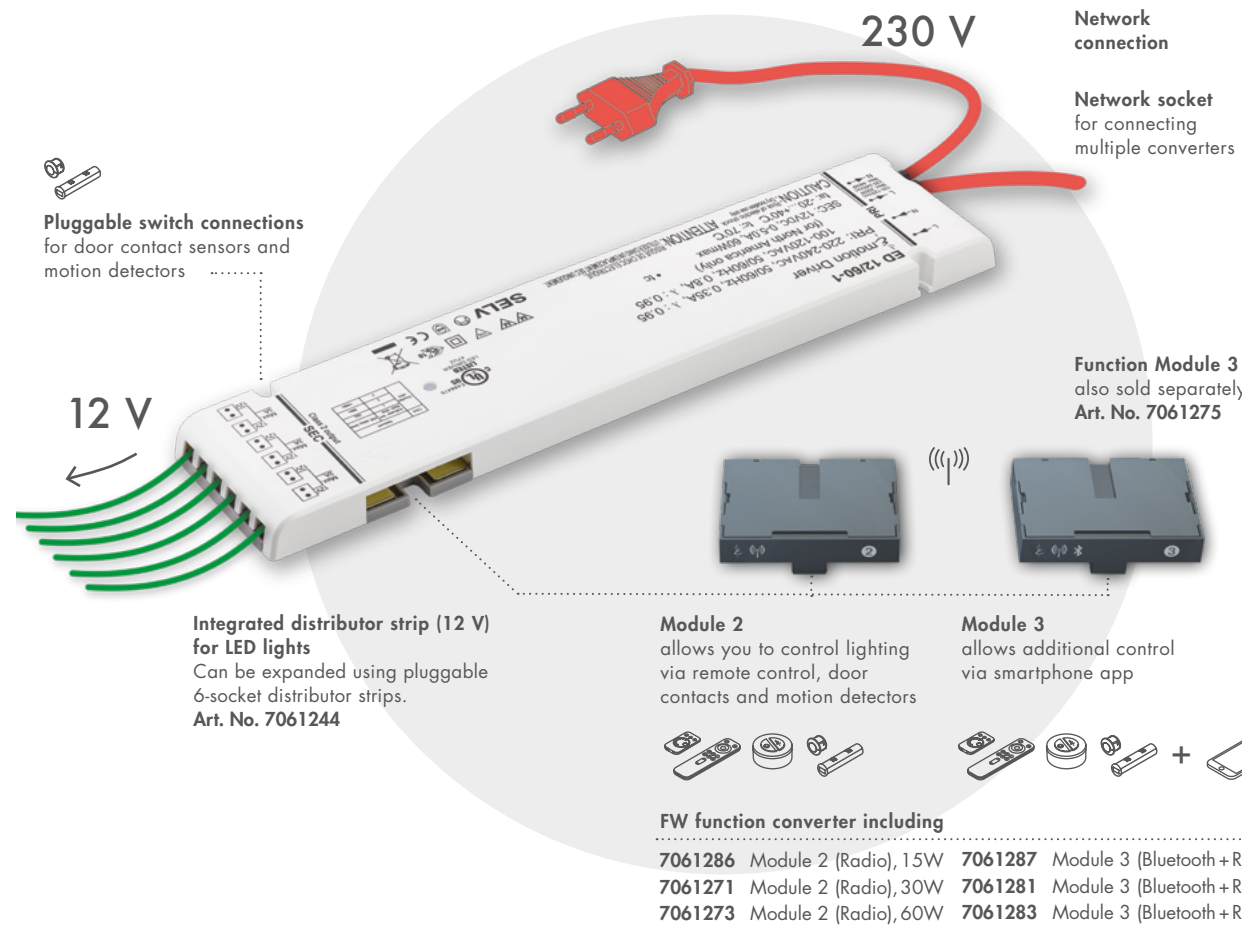
Lighting types used

1. Recess lights: pleasant basic lighting that distributes light evenly
2. Under-cabinet lighting/linear lighting: glare-free to help you see what you're working on
3. Pendant lighting: active light above the kitchen bar
4. Flex strips and baseboard lights: delicate accents to round off and emphasise your lighting design

The LIC LED system is made up of 4 system modules:



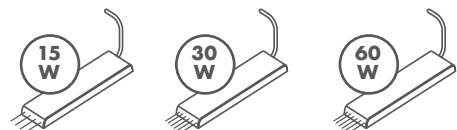
On the following pages, we look at the system modules in detail.



A Converter

The LIC LED system is built on converters and the various connection options they offer. The converters convert network voltage (100–240V, 50–60Hz) to the 12V output voltage used by all lights in the LIC LED range. The first converter in a group has to be set to "Master" mode before it can be connected to the LIC Home Base module or the Bluetooth app! Up to 10 converters can be connected to one central mains supply. The optional Function Modules 2 and 3 add different control options to the converters.

3 different converter models



15W model with 4 x 12V sockets, 30W and 60W models both with 6 x 12V sockets

B Function modules

The converters can be fitted with **two different function modules – Module 2 or Module 3**. With wireless communication between converters, these modules offer users a number of different control options.

The switch signal is sent from the control unit to all wirelessly connected converters. To achieve this, every converter fitted with Function Module 2 or 3 has to be trained to recognise the control unit. This allows you to be as flexible as you want when installing your desired LED lighting system.

The function modules simply plug into the slots on the converters. Without a function module, the converter acts like a classic switch device. You can expand the functionality of your existing systems at a later time effortlessly.

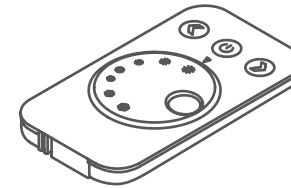
C Control units

You need to select the correct control unit based on the configuration you select and the function module you are using.

1-channel colour change remote control

- Fully-adjustable colour temperature
- Dimmer function
- Auto memory: saves your most recent setting
- One controller can be used for multiple converters
- **Control one light or a group**

Art. No. 7061285



4-channel colour change remote control

- Colour temperature fully-adjustable per channel
- Dimmer function per channel
- Auto memory: saves your most recent setting
- All functions individually adjustable for **up to 4 lighting groups**
- Can store 2 different lighting scenarios (home buttons)
- Colour temperature cycle (warm white/cold white)
- **One light or a group of lights can be controlled per channel**

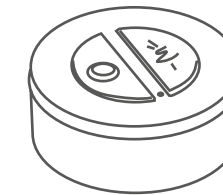
Art. No. 7061276



Branco radio remote control

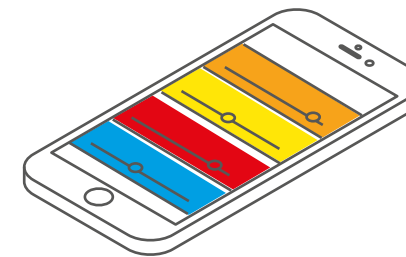
- Can be used with Function modules 2 and 3. Can operate with multiple remote controls. Allows toggle switching.
- Fully-adjustable brightness
- Choose from one of three preset colour temperatures or adjust as desired
- Can be used as a socket insert, fixed installation or handheld remote control
- Can be used as central switch unit for the LIC LED system

Art. No. 7062091



Smartphone/Tablet (App)

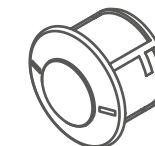
- Control **up to 6 lighting groups** via Bluetooth
- Fully-adjustable light temperature
- Dimmer function
- Create lighting groups independently of lighting channels
- Store an unlimited number of lighting scenarios
- Available in the Apple App Store and Google Play Store (requires Version iOS 7 or Android Version 4.3 or higher)



Motion switch

- Light switches on if motion is detected in front of the sensor
- 3 programmable switch-off times: 16 seconds, 3 minutes or 10 minutes

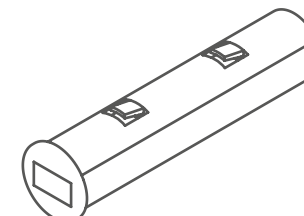
Art. No. 7061278



Emotion IR sensor/door contact sensor

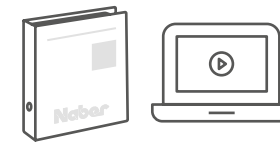
- Comes with two operating modes: "InDoor Mode" and "Touch Mode" (selectable using the button on the back). "InDoor Mode": for installing in cupboards or drawers, switches on and off with opening and closing. "Touch Mode": for installation underneath furniture, switches on and off when touched

Art. No. 7061277

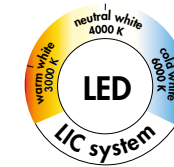


D Lighting overview LIC LED system

The LIC LED system offers countless custom ideas for kitchens, living rooms and offices for designing lighting in and on furniture. Attractive matching pendant lights round off the LIC LED system. Switched on individually or in groups, a wide array of different lights can be controlled via remote control, tablet or voice command.



You will find all the lights shown and many more in our main catalogue 1 BASIC and in our webshop www.naber.com/lic



Every light in the Naber catalogue that has this symbol can be combined and controlled using the converter and control units. And all lights also function as individual lights.



Lighting types used

1. Nova Plus, Colour change LED
2. Asta, Colour change LED

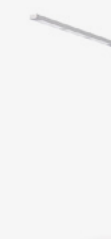
1

Pendant, ceiling, unit top, island lights

2

Built-in/surface spotlights

Nose
Subsequent lamp
Colour change LED



Surface mounted lamp for kitchen islands, not suitable for mounting above a hob, 9,5 watt, 180° rotatable

7061130 Subsequent lamp

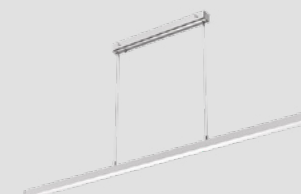
Guidance LED



Pendant light, aluminium body, anodised in stainless steel colour, incl. converter and 1-channel colour change remote control

7065040 L 900 mm, 12,4 watt
7065041 L 1200 mm, 18,6 watt
7065042 L 1500 mm, 21,7 watt

Asta
Colour change LED



Pendant light, aluminium body, anodised in stainless steel colour, incl. FW functional converter 30 module 2 and 1-channel colour change remote control

7065055 L 900 mm, 13,9 watt
7065056 L 1200 mm, 18,6 watt
7065057 L 1500 mm, 23,2 watt

Riflettore
Colour change LED



Built-in lamp, 2,9 watt, Drill Ø 55-58 mm

7061333 stainless steel colour
7061332 black matt

Nova Plus
Colour change LED



Surface mounted lamp, built-in lamp, ceiling light, 3 watt
Drill Ø 68 mm

7061334

Anelli
Colour change LED



Built-in lamp, 4 watt
Drill Ø 58 mm

7061320 stainless steel colour
7061321 black matt

7061322 Anelli mounting ring, stainless steel colour
7061323 Anelli mounting ring, black matt

3

Lamps for mounting from below

Flip®
Colour change LED

Lamp mounted from below,
4,8 watt
7061155



Hull
Colour change LED

Lamp mounted from below,
5,5 watt
7061140



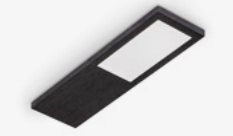
Stretto
Colour change LED

Lamp mounted from below,
3 watt
7062206



Livello
Colour change LED

Lamp mounted from below, 4 watt
7062320 aluminium coloured
7062330 black



4

Surface mounted lamps

Vidula
Colour change LED

Unterbodenleuchte, 12 watt per meter, kürzbar
7061294 stainless steel colour L 1500 mm
7061295 black matt, L 1500 mm
7061223 stainless steel colour, L 2600 mm
7061224 black matt, L 2600 mm



Pertura
Colour change LED

Unterbodenleuchte, 12 watt per meter, kürzbar
7061296 stainless steel colour, L 1500 mm
7061297 black matt, L 1500 mm
7061240 stainless steel colour, L 2600 mm
7061241 black matt, L 2600 mm



Ricol
Colour change LED

Built-in lamp, 15,5 watt per meter,
kürzbar, Einbautiefe 12 mm
7061184 L 2600 mm



5

Flex Stripes and base lighting

Prova
Colour change LED

Top-mounted lamp for rear walls,
can be shortened, 31,2 watt



7061207 stainless steel colour, 2600 mm
7061209 black matt, 2600 mm

Prova 90°
connecting corner element
7061208 stainless steel colour
7061220 schwarz

Manubrio
Colour change LED

Handle strip lighting, can be
shortened, 7,8 watt per meter



7061298 stainless steel colour, L 1500 mm
7061197 stainless steel colour, L 2600 mm

Also available
as set!

Light profile
Colour change LED

Ambient light, can be shortened,
7,8 watt per meter,
light length 2600 mm



7061039

LED Flex Stripe
Colour change

1,2 watt, can be shortened
7061183 L 335 mm

LED connection line
7061179 L 40 mm
7061168 L 1500 mm

Supply line
for LED Flex Stripes
7061175 L 2000 mm



Cosi
Colour change LED

Built-in lamp, base lamp,
0,3 watt, Drill Ø 55 mm
7061245



Calamario LED Flex Stripes
colour change

Flexible LED strips,
7,2 watt per meter, can be shortened,
2000 mm two-sided supply line
7061242 L 2600 mm



Lighting types used

1. Hull, Colour change LED
2. Prova, Colour change LED
3. Manubrio, Colour change LED
4. Cosi, Colour change LED



Lighting types used

- 1. Cubo shelving system with Cubo rear panel set
- 2. Light Shelf Board

6

Lit glass shelves

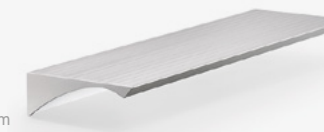
Duo
Colour change LED



Glass shelf lamp, For mounting on glass shelves with metal spring clip, 0,8 watt

7061079

Velato lit glass shelf
Colour change LED



LED lit glass shelf, bearing capacity approx. 1,0 kg/100 mm

7061291 L 600 mm, 9,3 watt
7061292 L 900 mm, 14,0 watt
7061293 L 1200 mm, 18,6 watt

7

Shelving systems

Cubo rear panel set



7,8 watt per meter

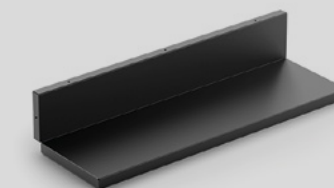
8051133 incl. 300 Cubo rear panel, black matt
8051134 incl. 600 Cubo rear panel, black matt
8051135 incl. 900 Cubo rear panel, black matt

Cubo shelf



1

Light Shelf Board



2

Shelving system, black matt,
12 watt per meter

3021128 L 600 mm
3021133 L 900 mm

*

Accessories

Distributor 6-fold



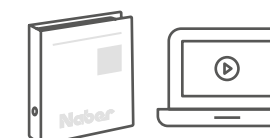
With 200 mm of supply line,
for 12 V DC

7061244

LED connection line



LED connection line,
white, length 1800 mm
7061049



You will find all the lights shown
and many more in our main catalogue
1 BASIC and in our webshop
www.naber.com/lic

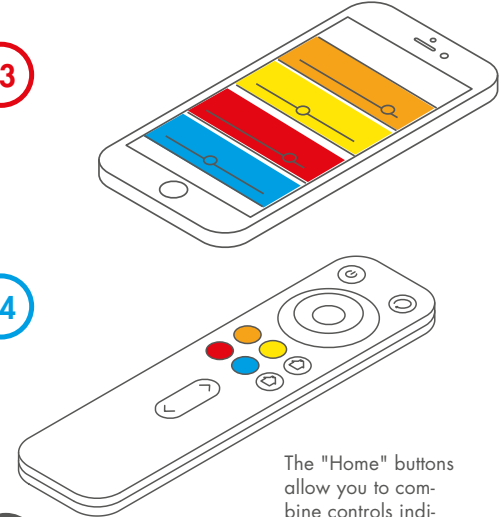


Installation example

Achieve and control networked lighting scenarios easily

The LIC Converter with Function Module 2 or 3 allows you to connect LED lights to a 230-Volt power supply centrally or locally, depending on where you install them. The various different control units (1-channel colour-change remote control, 4-channel colour-change remote control, Branco remote control, motion detectors, door contact switch or smartphone/tablet plus app) control the lighting systems in the room individually, or according to a defined lighting group or channel.

This means that networked lighting scenarios can be achieved quickly and easily, even with converters installed locally in different locations.

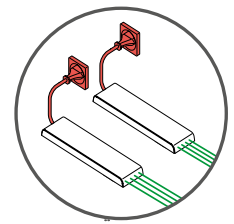
Lighting groups in the example on the opposite page

<p>Lighting group 1 L1</p> <p>Nova Plus LED (Surface mounted lamp)</p>	<p>Lighting group 3 L3</p> <p>Hull Colour change LED (Lamp mounted from below) Guidance Colour change LED (Pendant light)</p>	 <p>The "Home" buttons allow you to combine controls individually for lighting groups 1 to 4.</p>
<p>Lighting group 2 L2</p> <p>Prova Colour change LED (Top-mounted lamp for rear walls)</p>	<p>Lighting group 4 L4</p> <p>Manubrio Colour change LED (Handle strip lighting) Cosi Colour change LED (Base lamp)</p>	
<p>Home I </p> <p>5000K / 100% / Working light Function of saved lights</p>	<p>Home II </p> <p>2700K / 40% / Ambient light Function of saved lights</p>	



A

Local supply



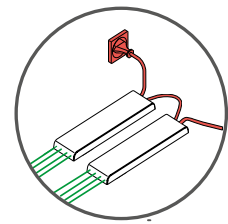
All Converters with **Functional Module 2** or **Functional Module 3** are connected **locally** with their own 230V plug.

Benefit:

You can install converters locally around the room. Control everything together using control units!

B

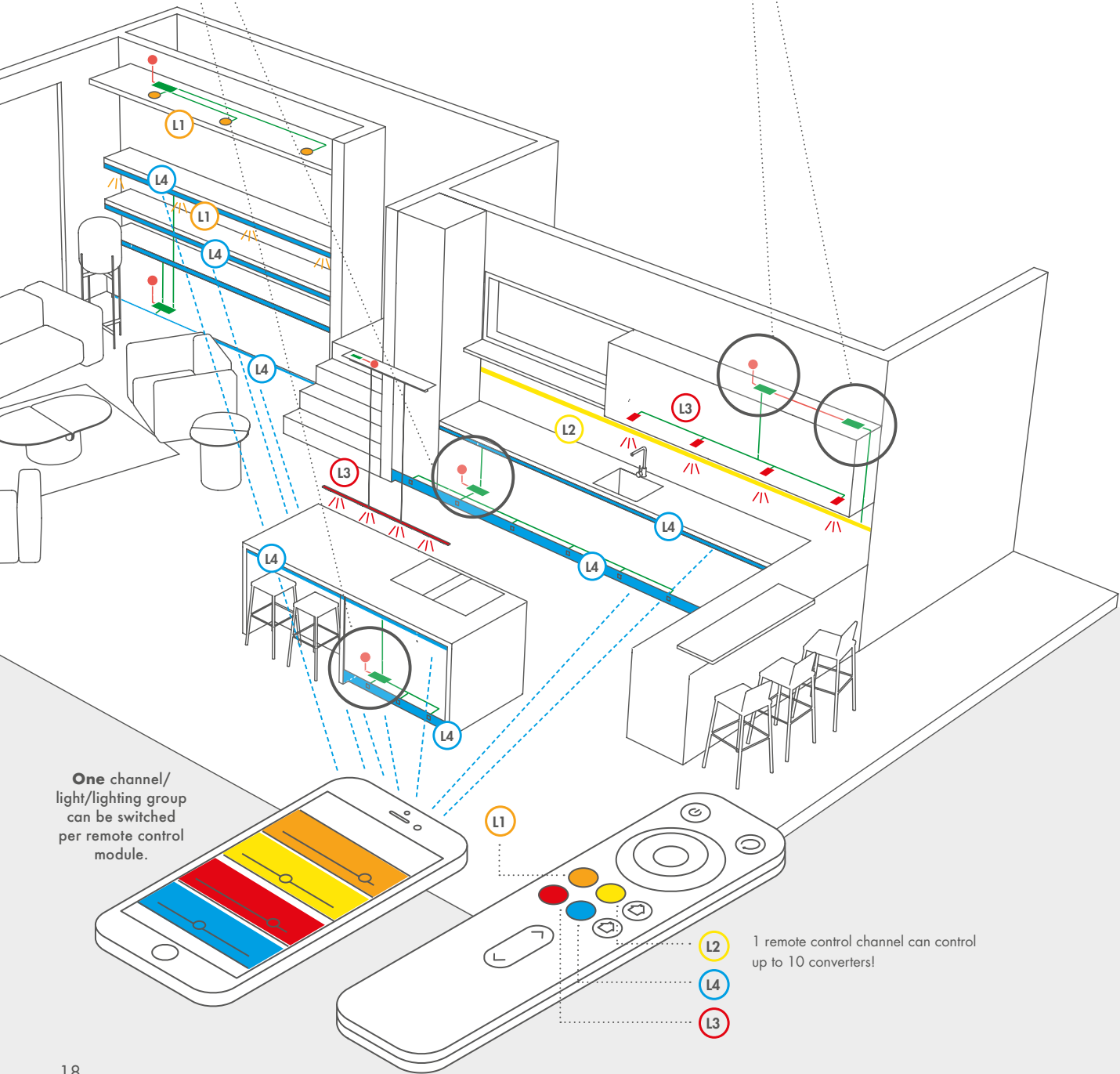
Central supply



All converters with **Function Module 2** or **Function Module 3** are connected **centrally** with **one 230V plug** using 230V connector cables.

Benefit:

Just **one socket is required for up to 10 converters**. Control everything together using control units!

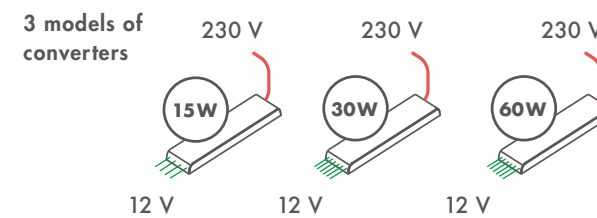


Planning guideline

1. Calculating wattage

You need to calculate the connected lights' power consumption per socket beforehand. The light's connected load is given in Watts. Please see our catalogue for respective wattages.

Since the lights in the Naber range are generally all below the critical 36W limit (see Product Catalogue), connecting them is safe and easy.

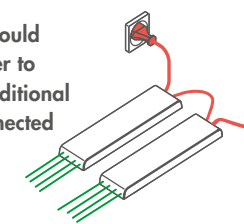


2. Choosing the right converter model:

Choose the right model of converter based on the calculated total wattage of your lights:

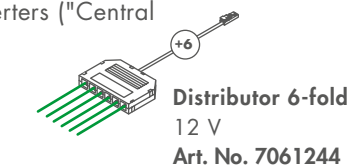
15W (with 4 light sockets), 30W or 60W (both with 6 light sockets each).

Generally speaking, you should always set the first converter to "Master" mode! Up to 9 additional converters can then be connected up in "Slave" mode.



Additional converters

If you need more power, you can connect additional converters in series – up to a maximum of 10 converters ("Central Supply").



Additional sockets

If you need more sockets, you can connect one or more 6-socket distributors to the converter. **The maximum load per socket on the converter is 36W.** If a distributor is connected, then the total wattage of the lights on this distributor must not exceed this level.

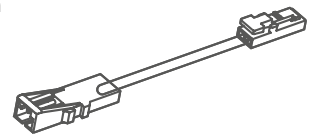
Power supply cables

The power supply cables for LIC-compatible lights are generally 200 cm in length and fitted with an LED mini-plug system. Because of its design, a 12V Mini LED Plug can only take a maximum load of 36W – regardless of the wattage of the converter. Since the lights in the Naber range are generally all below this limit (see Catalogue), connecting them is easy.

Extension cables

If the power supply cable for your LIC-compatible lights is not long enough, you can extend it using an LED connector cable (length 180 cm with LED Mini Plug system).

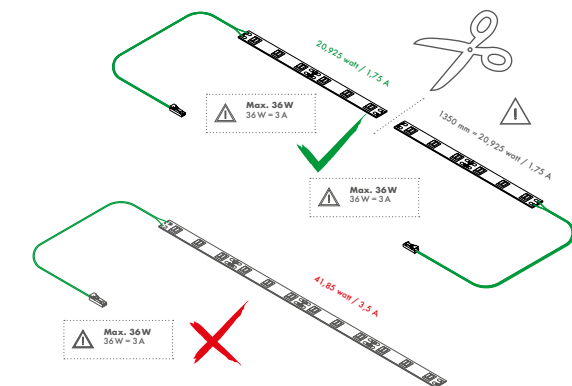
LED Mini Plug system for extending power supply cables



Because of its design, a 12V Mini LED Plug can take a maximum load of 36W = 3 Amps – regardless of the wattage of the converter.

Light profile special feature

With light profiles (such as Ricol), you can exceed the maximum 36W load (total length 260 cm, total wattage approx. 42W). However, the profile or LED strips can be cut to size. They are easy to split and connect separately (wattage 15.5W per metre).



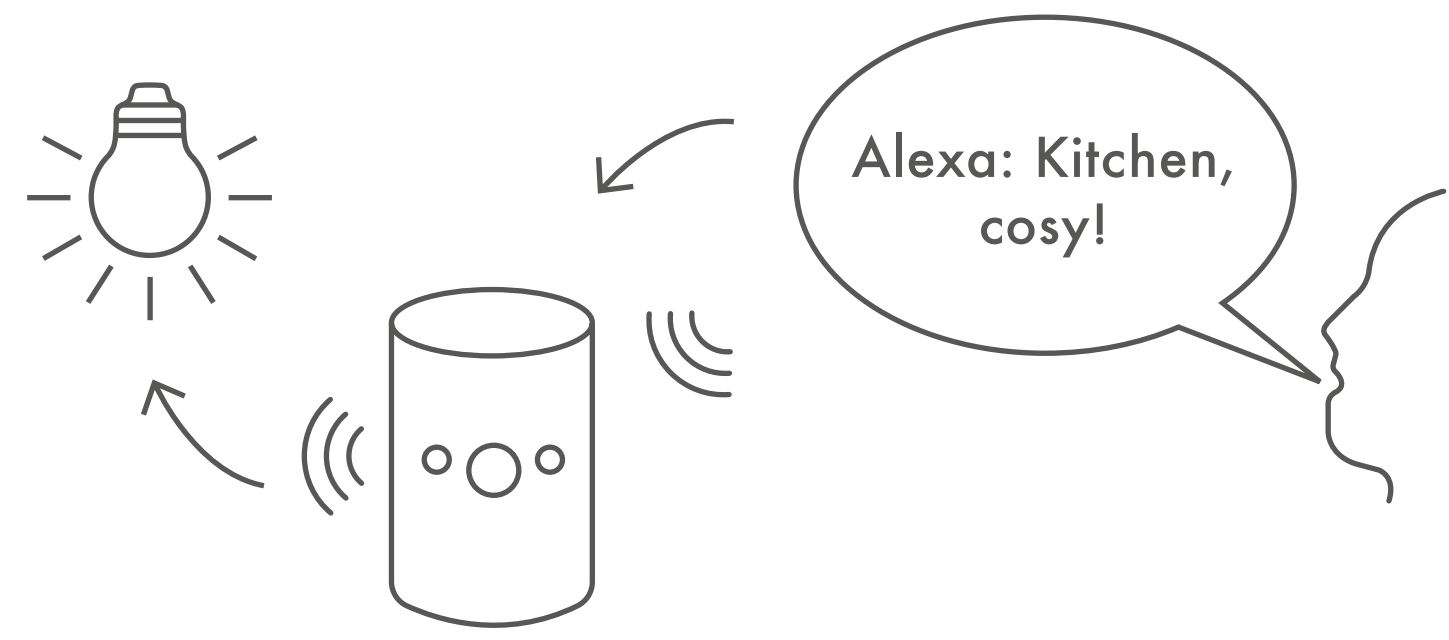
Safety
Safety requirements are inspected according to the latest and strictest European norms (e.g. EN 60 598 for lights and EN 60 742 for converters). Lights and converters with this symbol are interference suppressed according to European norm EN 55 015.



Compatible with Philips Hue

LIC Smart Home Lighting HOME BASE MODULE

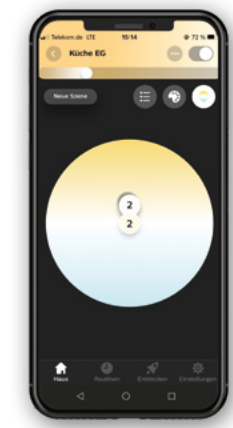
With the LIC Home Base Module, controlling your smart Naber LIC lighting systems just got even more convenient. Now, you can define and control lighting scenarios via remote control or the smartphone app, and also with the convenience of a voice command and Smart Speaker (e.g. Amazon Echo or Google Home).



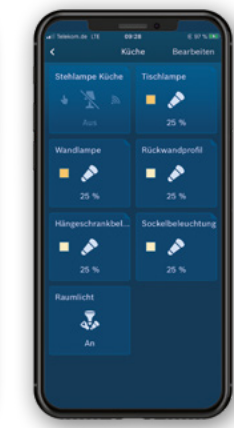
The LIC Home Base Module acts as a gateway for connecting LUMICA® LIC converters to Smart Home networks. This requires a standard retail internet router and Philips Hue Zigbee Bridge. Alternatively, you can use a Smart Home Controller (such as a Bosch Smart Home Controller). This makes controlling lighting – and a number of other repetitive processes and functions around the home – error-free and largely automated thanks to pre-defined scenarios or routines.

Just like with the LIC LED system, you can control up to four lighting groups (or individual lights as well) via the LIC Home Base Module, making it super easy to set up a whole array of precision-designed individual lighting scenarios (such as "work", "cooking", "eating"). The LIC Home Base Module is connected wirelessly to the "Zigbee Bridge" (Philips Hue) for voice command control. The Zigbee Bridge in turn receives its commands from a Smart Speaker with integrated "Intelligent Personal Assistant" or IPA (such as Amazon Alexa or Google Assistant). Alternatively, you can also control Zigbee Bridge with a smartphone or tablet app.

Preset lighting controls from the LUMICA® LIC converter range can then be retrofitted to be "smart" with minimal effort.



Control via Philips Hue App

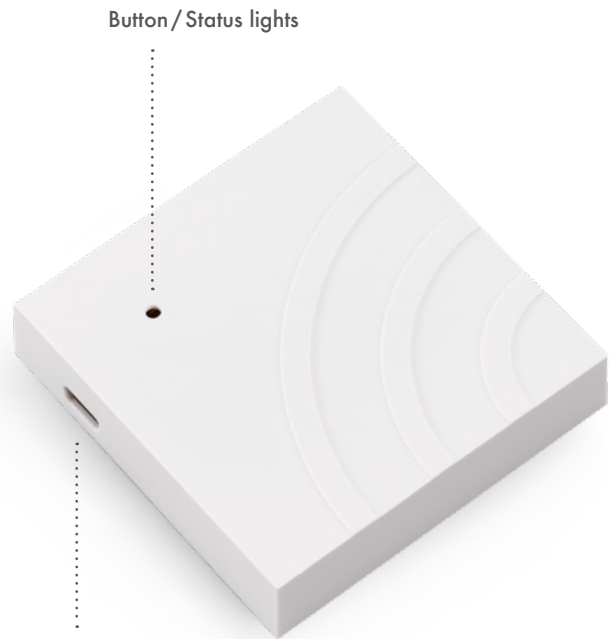


Control via Bosch App

All you need for WiFi control using the Philips Hue app or a Smart Speaker is the Function Module 2!

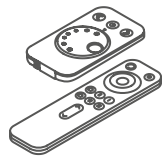
The Philips Hue Bridge and Smart Home Controller are connected to your internet router using a LAN cable.

LUMICA® LIC Home Base Module



- Gateway module with mains adapter 230 Volts
- Control 1 to max. 4 lighting groups
- Compatible with 1-channel or 4-channel colour-changing remote control
- Compatible with smartphone and Smart Speaker
- 5 Volt DC
- Compatible with ZigBee 3.0 Wireless Standard (Philips Hue)
- Wireless connection to ZigBee Bridge

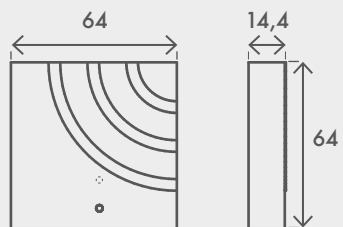
Home Base Module +
USB cable and mains adapter
Art. No. 7061288



For training, you will require a 1-channel or 4-channel remote control



Dimensions (in mm)



The function of the LUMICA® LIC Home Base Module with Amazon Alexa and Google Assistant, and with Philips Hue Bridge has been checked at the time the brochure was written. We have no control over changes or developments to apps since this time. We therefore assume no liability for the correctness and completeness of this information. Other Intelligent Personal Assistants (voice assistants) can also be used. Please refer to the respective manufacturer's user manual.

System modules Naber®



LUMICA®
Home Base Module

Lights

Converters
• 15W, 30W or 60W model

Control Units

- 1-channel or 4-channel remote control, Branco remote control
- Mandatory for training the Home Base Module

Function modules
2 or 3

What you will need (not included)



Smart Speaker

- e.g. Amazon Echo, Google Home



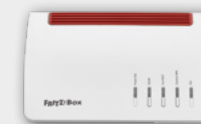
Zigbee Bridge

- Philips Hue



Smart Home Controller

- Optional Smart Home System (e.g. Bosch Smart Home Controller)

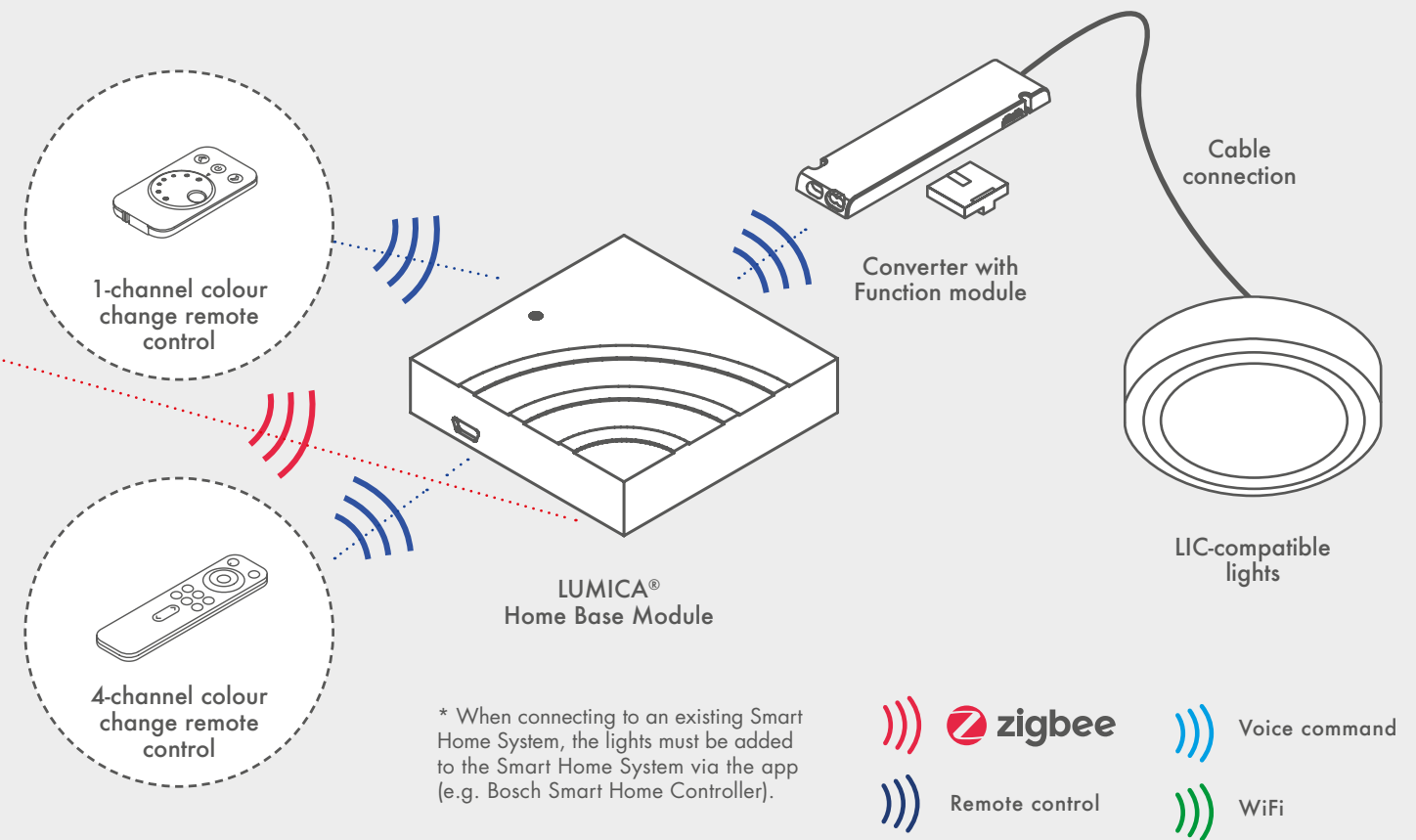
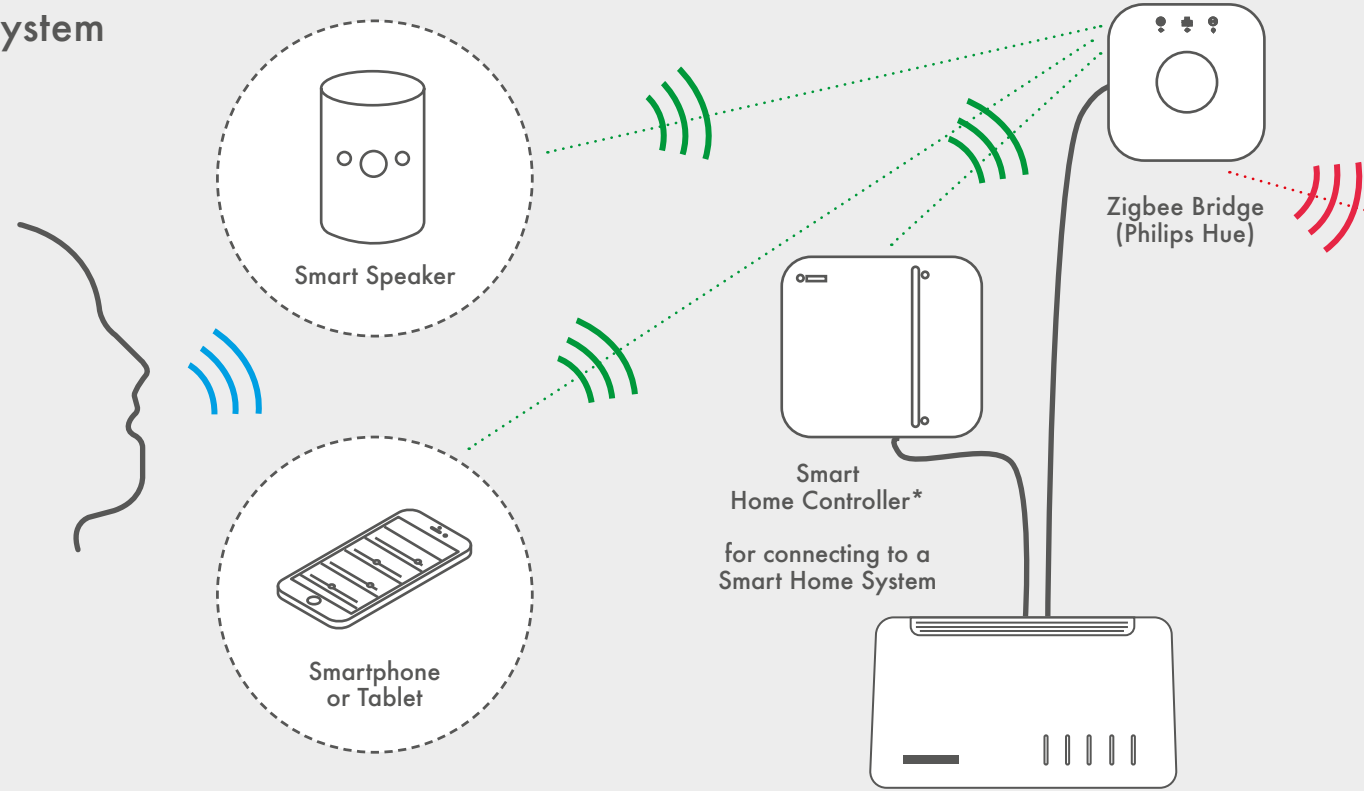


Internet router

- Standard retail internet router (e.g. AVM Fritz!Box)

Amazon Echo and Amazon Alexa are registered trade marks of Amazon Inc. – Bosch Smart Home Controller is a registered trade mark of Robert Bosch GmbH. – Google Home and Google Assistant are registered trade marks of Alphabet Inc. – Philips Hue is a registered trade mark of Signify N.V. – Zigbee is a specification prepared by 230 leading companies for wireless networks, e.g. in smart home automation.

Communication system



* When connecting to an existing Smart Home System, the lights must be added to the Smart Home System via the app (e.g. Bosch Smart Home Controller).

zigbee
 Remote control
 Voice command
 WiFi

Installation instructions / Step by step

- 1. Illuminated area**
Determine what areas need illuminating
- 2. Selecting lights**
Select compatible lights (look for LIC logo)
- 3. Installation**
Install the lights
- 4. Training remote controls**
Assign the lights to channels on the remote control depending on the lighting groups you want (one channel per lighting group)

- 5. Connect**
Connect LIC Home Base Module to a 230V power source
- 6. Transfer**
Transfer the channels from the remote control to the LIC Home Base Module
- 7. Zigbee**
Connect the Home Base Module to the ZigBee Bridge wirelessly
- 8. Smart Speaker**
Look for LIC lighting groups/channels in the Philips Hue app, give them names and save. If using a Smart Speaker or Smart Home Control, please refer to the respective manufacturer's instructions.

A

App control

User software for programming and controlling mobile operating systems (smartphones, tablets).
→ S. 21

B

Bluetooth

Bluetooth is an industry standard for transferring data between devices over short distances using radio waves. It is only ever possible to establish one connection between sender and receiver.

C

Central supply

All converters in an LIC lighting installation with Functional Module 2 or Function Module 3 are connected centrally as a chain of converters with a plug using 230V connector cables.
→ S. 18

Channel (remote control)

In radio technology, a channel (radio channel) is a frequency or frequency range, on which a radio signal is transmitted. In the LIC system, different lights can be assigned to and controlled by different channels.
→ S. 9

Colour temperature/change

Within the colour impression of white light, we generally differentiate between warm white, neutral white and cold white. This difference in colour is also known as colour temperature and is given in Kelvin (K). The colour temperature 3000 K means a warm light, whilst 6000 K means a cold colour similar to daylight. LED lights that have been set up accordingly can switch between colour temperatures to allow for different lighting scenarios.

Control units

Control units might be devices such as (radio) remote controls or mobile end devices (smartphones and tablets), or even motion detectors and door contact switches. Specific functions such as lighting control (e.g. "on/off", "warm white/cold white", "light/dark") and other Smart Home functions can be easily controlled remotely with these devices.
→ S. 9

Converter (LED converter)

LED converters, which convert mains power from 230V to 12V operating voltage, ensure that LED lights and LED strips work smoothly.
→ S. 8

D

Dimmer function

The dimmer function allows you to freely adjust the intensity of a light. With modern LED lights, this is achieved electronically using defined interruptions in the LED's power supply and not by reducing the level of power, as is the case with halogen bulbs.

F

Function Module

The converters can be fitted with two different function modules: Module 2 (switch and remote control transmitter) or Module 3 (switch, remote control and Bluetooth transmitter). Thanks to wireless communication between the converter, these Modules offer users a number of different control options. The switch signal is sent from the control unit to all wirelessly connected converters. To achieve this, every converter fitted with Function Module 2 or 3 has to be trained to recognise the control unit. This allows you to be as flexible as you want when installing your desired LED lighting system.
→ S. 8

Remote control (radio technology)

Radio is a term describing the method of transmitting all kinds of signals wirelessly using modulated electromagnetic waves within a radio frequency range (radio waves).

G

Gateway

A gateway is a component (hardware and/or software) which establishes a connection between two systems. The term gateway implies that the data transmitted are processed.
→ S. 21

H

Home Base Module

The Home Base Module acts as a gateway to connect the remote controlled LIC function converter to the internet via the Zigbee Bridge (Philips Hue) that is controlled with the Zigbee 3.0 wireless standard.
→ S. 20, 21, 22

I

Internet router

An internet router is a connectivity device that connects home networks to the internet and also functions as a wireless local area network access point (WLAN). The router is used to access the internet or a private computer network.

IR sensor

An infra-red (IR) sensor is an optoelectrical component that is sensitive to radiation. IR sensors are widely used in motion sensors that are used in in-home technology for switching on lights.
→ S. 9

L

LED Light Emitting Diode

The LED (= the light in the light emitting diodes) is a semi-conductor component (e.g. made of silicon) that emits light when an electrical current passes through it in a forward direction. The light from the LED does not contain any IR or UV radiation, requires zero maintenance, and does not cause illuminated objects to heat up.

LED lighting technology

LED lighting technology allows you to generate light in different temperatures and brightness whilst saving energy. LED lighting technology is very safe to use thanks to its low voltage.
→ S. 4

LIC LED Logo

All lights with this symbol can be combined with one another and switched using the LIC LED system converters and control units. And all lights of course also function as individual lights.

Lighting groups

Different lights in an LIC installation can be combined and configured in lighting groups. The converters can only ever control one lighting group together per channel.
→ S. 16

Lighting strength, lux (lx)

The lighting strength generated by a light source is stated using the lux unit of measurement.

Luminosity and lumen (lm)

The luminosity of an LED depends on how much light is being emitted from the light source in all directions. This is measured in lumen (lm). Modern LED lighting systems provide much more luminosity than older lamps. At the same time, the energy consumption of LEDs, measured in Watts (W), is significantly lower and they last much longer.

Local supply

Every converter in an LIC lighting installation with Function Module 2 or Function Module 3 is connected to the mains locally using its own 230-Volt plug.
→ S. 18

M

Motion detectors

A motion detector is an electronic sensor which can recognise movement in its immediate surroundings and thereby act as an electronic switch.
→ S. 9

S

Smart Home Controller

The Smart Home Controller (e.g. from Bosch®, Homematic® etc.) is the central component of a Smart Home System in a building. It gathers all information locally on one device. When connected to an internet router, it organises communication between the devices in

V

Voice control

With voice controls, preset programs can be transmitted to smart lighting controls or a Smart Home system and switched on super-fast using voice commands.
→ S. 21

W

WiFi

WiFi is a portmanteau that was created along the lines of HiFi. It is used in the industry to describe products and networks of WLAN devices that have been certified according to IEEE 802.11.

WLAN

Wireless Local Area Network, or Wireless LAN/WLAN for short, describes a wireless (usually password-protected) local network (radio network) within a home or building.

your home and allows you to network them wirelessly. But it doesn't just act as a Smart Home hub, it is also an interface with your Smart Home app. With this app, various functions and devices can be easily adjusted, triggered or saved in individual programs with the tap of a finger.

→ S. 21, 23

Smart Speaker

The Smart Speaker is a wirelessly networked input device for controlling Smart Home devices and lights conveniently using voice commands. At the same time, the integrated loudspeaker can broadcast all sorts of content, such as music, radio programmes, telephone calls etc.

→ S. 21, 23

Z

Zigbee wireless standard

The ZigBee wireless standard is a specification for wireless networks with low data volumes, such as lighting technology and in-home automation. ZigBee is a common communication protocol in the world of the IOT ("Internet of Things"). A network (mesh network) is spread across all connected Smart Home devices or Access Points so that they can communicate with one another.

→ S. 23, 24, 25



The video and even more info on our LIC LED lighting technology can be found at:
www.naber.com/lic



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Naber – The original

Naber is a medium-sized family company headquartered in Nordhorn, Germany. Kitchen professionals will find solutions for virtually every design and every installation at Naber – including for lighting technology. Our own in-house development team regularly produces technological and conceptual trailblazers to make kitchens around the world better, more comfortable and more efficient.