LUMICA® MEC LED system

Smart Home Lighting 2.0!

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Naber®

... inspires!
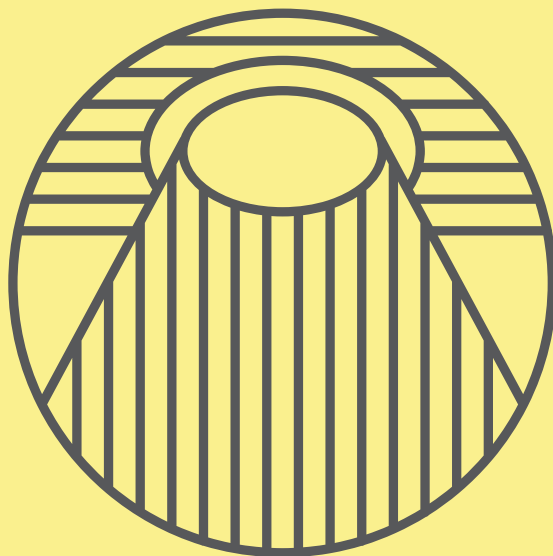
LUMICA® MEC
LED system

Innovative light management with clear structure and countless options! Flexible, modular system for smart supply and control of LED light.

LUMICA® MEC LED system

Smart lighting control: precisely tailored lighting for kitchens, bathrooms, living rooms, and home offices. From Naber!

Why use a switch when you can operate a light by remote control or smartphone? The advantage of "intelligent lighting" is especially clear when several lights are used – such as in open-plan kitchens: **at the touch of a button or by voice command,** lighting areas are created that offer **optimum illumination** and **personalised bespoke** solutions.

And LUMICA® MEC can do even more! A saved lighting scenario can instantly be replaced by another – from bright work surfaces to atmospheric table lighting or subtle background light. **Variably adjustable light colours** with seamless transition between cool, neutral and warm white light make lighting flexibility a feel-good factor!

The basis for this is state-of-the-art LED technology **with communicating control units** – made possible with **LUMICA® MEC.** The system works either offline with remote control or – when integrated into the smart home – with a smartphone or voice control. Thanks to the ZigBee 3.0 wireless standard, it is compatible with lights from other manufacturers. The LUMICA® MEC LED system ensures safety, clear connections without cable clutter, simple setup and control right from the start. And immediate flexible adjustment as required. **Authentic smart home lighting 2.0**!

All Naber lights marked with this symbol are equipped with colour-changing LEDs. The lights can be controlled using either the new **LUMICA® MEC LED** or the tried-and-tested **LIC LED system.**

Set the right light colour according to your requirements

Cold white light
particularly suitable for bright illumination

Neutral white light
creates a more objective, neutral atmosphere

Warm white light
perceived as cozy, comfortable and calming

Further information on the LUMICA® MEC LED system can be found in the online magazine
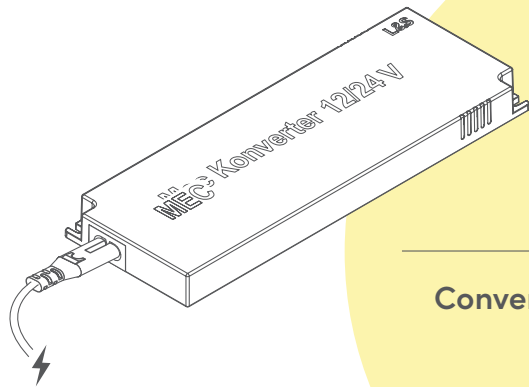
The LUMICA® MEC components

Innovative light control with clear structure and countless options!

LUMICA® MEC from Naber is a flexible, modular system for powering and controlling LED lighting. LUMICA® MEC eliminates cable clutter and complex connections. With the converters and various modules, space-saving and simple solutions can be implemented even for complex lighting control systems. For individual, attractive room lighting!
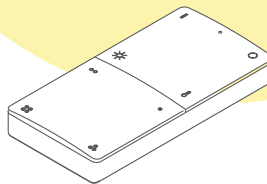
Converters

Powerful, available in four power levels, and now suitable for 12- and 24-volt function modules at the same time!

Lights

NABER LED lights from the LUMICA® LIC and the LUMICA® MEC range, as well as lights from other manufacturers (provided they are compatible with the ZigBee 3.0 standard).

Lights

Converters

ZigBee functional modules

Control units

Control units

Completely individual: switch lights or groups of lights on and off and (depending on the light) adjust the light colour using a remote control, smartphone app or voice command.
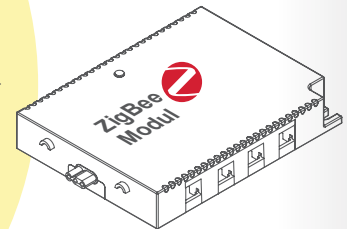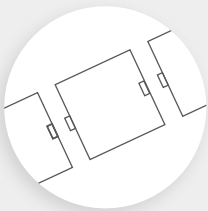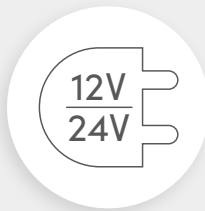
ZigBee functional modules (12 and 24 volts each)

Optionally available as 1- or 4-channel functional modules. There are also switching modules (for wired sensors) and distribution modules.

Simply plug and combine

Intelligent plug-in system: several modules can be connected to powerful converters in series. LUMICA® MEC can therefore easily be adapted to individual requirements – without annoying tangled cables!

Four power levels for 12 and 24 volts

LUMICA® MEC converters are available in four power levels. The different functional modules are available in 12 and 24 volts. They can be supplied by a single converter (taking the total load into account).

Simple operation

It can be easily controlled via remote control using the Zig-Bee 3.0 wireless standard or by connecting to the Philips Hue Bridge via a smartphone app or voice command. Everything is set up quickly, securely, and clearly, and above all, it's easy to use!
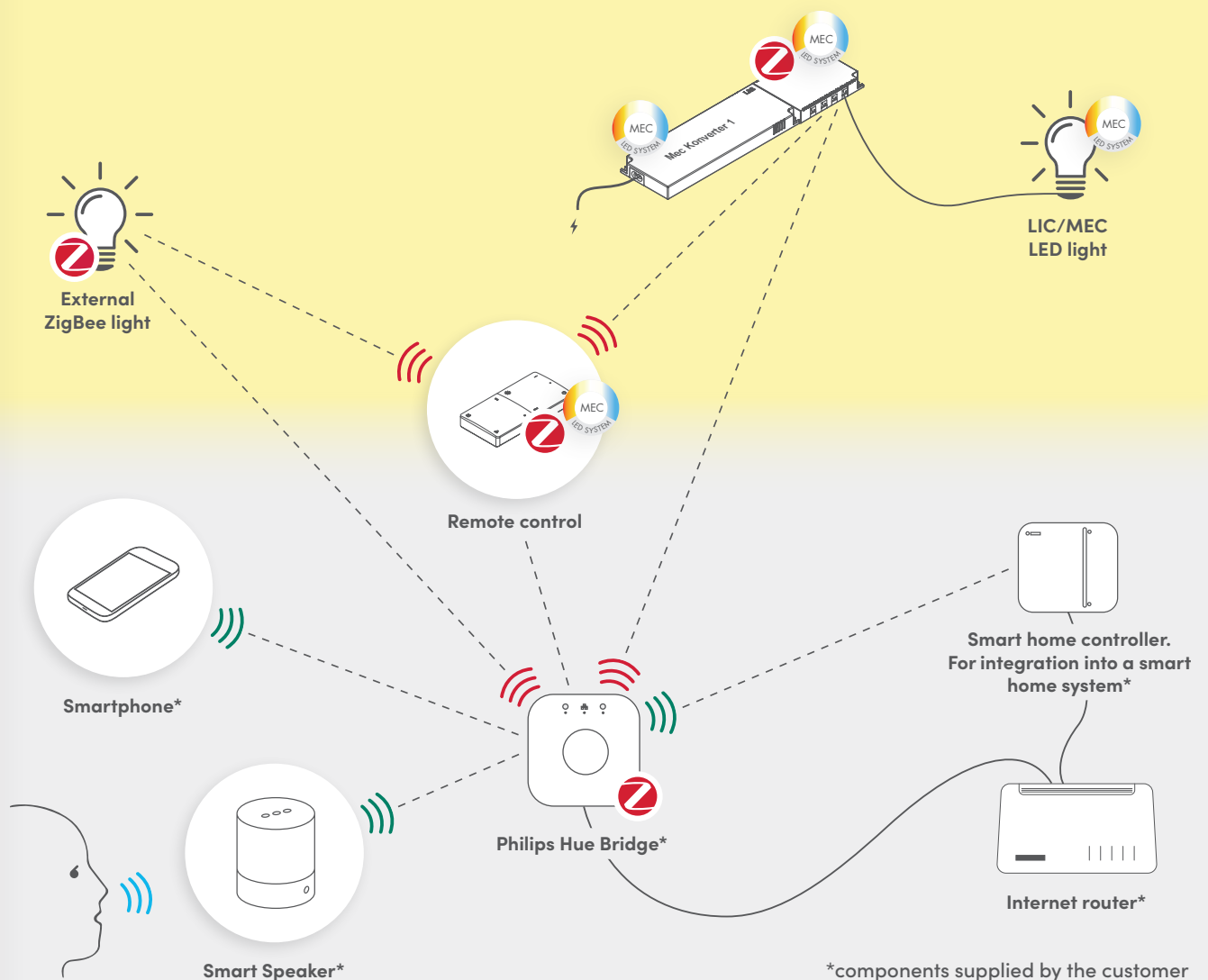
ZigBee 3.0 standard

Perfect! LUMICA® MEC makes it easy to combine Naber LED lights from the LUMICA® LIC and LUMICA® MEC range with lights from other manufacturers which are compatible with the latest ZigBee 3.0 wireless standard.

Compatibility and communication

The ZigBee wireless standard (as well as the other common wireless protocols such as Wi-Fi and Bluetooth) is used to set up a smart home network. ZigBee is secure, energy-efficient and – in the current version 3.0 standard – is used, among other things, to transmit control commands to lighting systems. ZigBee thus makes it easier to combine lights and groups of lights to create controllable lighting scenarios for every room.

Naber LUMICA® MEC LED system

The simple registration of lights in the current ZigBee 3.0 standard allows closed and independent offline control of Naber LUMICA® LED lights (LIC/MEC) together with lights from other manufacturers.

MEC

Mec Konverter 1

MEC

**LIC/MEC
LED light**

**External
ZigBee light**

MEC

Remote control

Smartphone*

**Smart home controller.
For integration into a smart
home system***

Philips Hue Bridge*

Internet router*

Smart Speaker*

*components supplied by the customer

Smart home lighting 2.0

By integrating LUMICA® MEC into a ZigBee 3.0 standard wireless network (via a Philips Hue Bridge), Naber LUMICA® LED lights (LIC/MEC) can easily be combined with compatible lights from other manufacturers to form lighting groups.

))) Voice command

))) WLAN

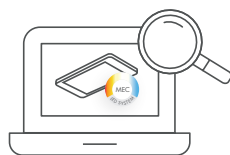))) zigbee

Installation instructions Step by step

It only takes a few steps to set up and precisely control one or more lights, which can be grouped together and switched collectively. The control can either be carried out solely via the LUMICA® MEC LED system, or more conveniently via a ZigBee bridge (e.g. Philips Hue Bridge) using a voice command and smart speaker, or with the corresponding smartphone app (see page 5).
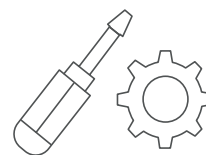
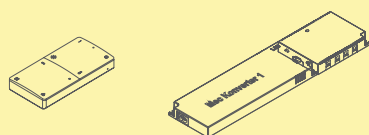|		
1 Illuminated area	**2** Selection of lights	**3** Lamp mounting
Definition of the areas to be illuminated	Select lights and converters (Note the MEC marking!)	Installing and connecting the lights

4.1 Operation only with the LUMICA® MEC LED system

The LUMICA® MEC LED system operates independently. Lights are assigned to groups directly via the remote control, with each remote control able to control up to four groups. An **additional remote** control is required for further groups.

4.2 Operation with a ZigBee bridge (e.g. Philips Hue Bridge)
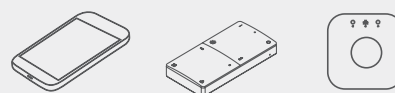
With a ZigBee bridge, comprehensive lighting scenarios can also be conveniently controlled. The set-up consists of the following steps:

1. **Download and open the Philips Hue app.**

2. **Search for new lights. To do this, follow the instructions in the app. The app can directly detect both the remote control and the ZigBee function module as receivers.**

3. **The remote control and ZigBee function module appear as independent ZigBee addresses and can now be paired with the app using the "Add lights" function.**

4. **With the paired remote control, the lights can now be grouped (as in 4.1) and transferred into the app.**

5. **Name the individual lights (or channels) in the app and arrange them as desired.**

The control can now be carried out entirely via the app. The remote control is only needed again if configurations **within the LUMICA® MEC LED system** are to be changed.

6. **Smartphone, smart speaker, smart home controller:**

The control of the lights (or groups of lights) – including the intensity and light colour – can be carried out via the app on a smartphone, simply by voice command through a smart speaker, or via a smart home controller connected to the Internet router.

Video manual with video explanation for the 4-channel LED control.

The LUMICA® MEC LED system at a glance

The LUMICA® MEC LED system has exactly the right components for supplying and controlling perfect LED spatial lighting designs. Versatile and flexible in composition, yet surprisingly easy to configure. With LUMICA® MEC, jumbled connections and confusing control solutions are a thing of the past. The ZigBee 3.0 standard wireless protocol makes LUMICA® MEC super compatible: Naber LED lights (LIC/MEC) can simply be combined and switched with lights from other manufacturers.

Converters

| 12V 24V | **18W** 7061400 | **32W** 7061401 | **60/72W** 7061403 | 24V **120W** 7061405 |

MEC Driver LED converter

Modular power supply and control system for LED lighting, 12 V and 24 V, output 18 to 120 W. Various wireless, distribution, and switching modules can be connected to **an** LED converter up to its maximum output capacity.

Modules

| 12V | **1-channel** 7061426 | **4-channel** 7061428 | | 24V | **1-channel** 7061427 | **4-channel** 7061429 |

| 12V 7061407 | 24V 7061408 |

| 12V 7061412 | 24V 7061413 |

1- or 4-channel wireless/ZigBee module, 12 or 24 V

For connecting up to 4 lights or groups of lights, with control using remote control, smartphone or smart home ZigBee 3.0 network.

Distributor module, 12 or 24 V

Outlets, standard configuration. For connecting up to 8 lights.

Switching module, 12 or 24 V

For switching up to 3 light groups via wired sensors.

Control units

| **Black** 7061430 | **White** 7061431 |

7061419

| **IR/TK** 7061414 | **Motion detector** 7061416 |

Remote control

Setting of the colour temperature and dimming with a LUMICA® MEC ZigBee module or with easy integration (ZigBee 3.0) into smart home applications.

Switches

Switch (on/off) for connection to the LUMICA® MEC switching module.

Wired sensors

Infrared and door contact sensors, as well as motion detectors for connection to the LUMICA® MEC switching module.

Accessories

7061409

7061244

7061380

Connection line

LUMICA® MEC converter connection cable, 100 mm, 12 or 24 volts.

Distributor 12 V

The 12 V distributor allows connection of up to six LED lights (taking into account the maximum connection load per slot).

Distributor 24 V

The 24 V distributor allows connection of up to six LED lights (taking into account the maximum connection load per slot).

MEC LED SYSTEM

Product overview of all LUMICA® MEC components in the online shop

Product overview of all LUMICA® MEC lights in the online shop

Naber

... inspires!

Naber - the original

Naber is a medium-sized family business
with its headquarters in Nordhorn. Kitchen
professionals find accessory solutions for
every planning and installation situation
at Naber. The in-house development de-
partment regularly creates products that
are pioneering in terms of both technology
and design, making kitchens around the
world better, more convenient and efficient,
in other words, simply perfect!