



## Niko dimmers

Total overview of our solutions

***niko***





# Niko dimmers

## Always the right lighting

Lighting is more than just switching the lights on and off. With dimmers, you can optimise the light in every space. That's because dimmed light provides pleasant lighting, better ergonomics, and significant energy savings. Dimmers are suitable for any project: houses, offices, schools and work places. Regardless of how old the electrical installation is.



### A solution for every type of dimmable lamp

#### Universal dimmers

Universal dimmers are suitable for most types of dimmable lamps. Even with a different type of lamp and a different setting, the universal dimmer continues to dim the luminaire or your lamps perfectly. In our range of stand-alone and Niko Home Control flush-mounted dimmers, you can find rotary and push-button dimmers for dimmable LED lamps, 230 V halogen lamps, low-voltage halogen lamps, economy lamps (CFLi) or even incandescent lamps.

Do you want to dim lights from a centralised location in the electrical cabinet? Then choose from our stand-alone modular dimmers or Niko Home Control modular dimmers. These dimmers are also universal.



#### Rotary dimmer for LED lamps

This dimmer offers quality dimming for all dimmable LED lamps in a circuit with a load between 4 and 200 W. Because it only uses 2 wires, it is easy to integrate into renovation projects but also new buildings.

Do you want to dim high power lights? Or do you prefer push-button control? Choose from modular dimmers instead of direct connection in the electrical cabinet. Our modular dimmers are also universal.



### Dimming of ledstrips

When you want to dim monochrome ledstrips, choose our PWM dimmer or the wireless 4-channel controller to set the right scene. The latter can also control colour ledstrips with constant voltage.



### DALI lighting controls

When you have DALI luminaires, you can choose from our DALI stand-alone flush-mounted controls or DALI-2 Niko Home Control modules.

### Wireless dimmer switches

If you enjoy smart lighting from Philips Hue®, Casambi® or Xicato® enabled luminaires, you can opt for the Niko wireless dimmer switch that is compatible with your selected smart lighting solution.

### Finish it the way you like

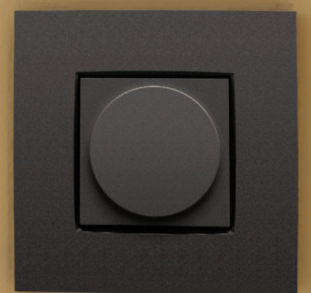
All flush-mounted dimmers are compatible with any Niko finishing in the range from Niko Pure, Niko Intense to Niko Original.

#### Do you need help to find the right dimmer?

Niko has a dimmer for every type of dimmable lamp. You can find which dimmer works with which lamp in our **quick selection guide** in this brochure or at [www.niko.eu](http://www.niko.eu).

Also verify the FAQ dimming section at [www.niko.eu](http://www.niko.eu).





# What to take into account when choosing dimmers

Choosing the right dimmer can be quite a hassle. There are many things to take into account: lamp type, presence of a neutral wire, number of control points ... Choosing the wrong dimmer can cause many problems, such as flickering, ghosting of even non-functioning. On these pages, we give you a brief overview of what you need to know.



## 1. What is your lamp type?

Quality dimming highly depends on the type of dimmable lamp you have. LED lamps in particular can be unpredictable and highly sensitive. Their light stability varies greatly, according to the brand and type. Our advice? **Choose a quality dimmer that matches the lamp type** you want to dim.

Most of the time, your lamp type is easy to determine, but sometimes you haven't decided yet, you don't know or you want to change your lamp type later in time. **When you don't know your lamp type, Niko's universal dimmers are the answer.** They are capable of dimming almost every type of dimmable lamp. Whether it is dimmable LED lamps, 230 V halogen lamps, low-voltage halogen lamps, economy lamps (CFLi) or even incandescent lamps: **one dimmer range does the job.** Niko's universal dimmers are specially designed to ensure that your lighting lights up as steadily as possible.

When you want to dim DALI luminaires, select one of the stand-alone DALI controls, the Niko Home Control DALI-2 addressable or broadcast modules or integrate a Niko DALI sensor.

If you want to dim LED strips, select a Niko dimmer solution for monochrome or colour LED strips.

When you use smart lighting solutions from Hue®, Casambi® or Xicato®, you can select the compatible Niko wireless dimmer switches.



## 2. Where would you like to control your dimmer from?

You can control your lighting from one location when you install one dimmer, but if you would like to control it from multiple places, you need a dimmer that allows extensions to be installed.

If you would prefer to control your lighting from **multiple places**, then you can choose from our extensive range of **universal dimmers**. Every universal dimmer can be extended with extra controls, so you can dim from a second, third ... location.

If you would like to control your LED lamps from a **single place** with a rotary button, then choose the rotary dimmer for 200 W LED lamps or a universal dimmer without connecting the extension button.



### 3. Do you need interference suppression?

Do you live in an area where your intermunicipal company uses the electricity network to send signals to certain devices? Then your dimmable lamps can flicker or hum when this signal reaches your dimmer.

To solve this, Niko has developed a **Power Line Communication (PLC) interference suppressor** that is integrated as standard in **every universal dimmer, modular dimmer or dimmer for Niko Home Control** for bus cabling or for traditional cabling. The built-in PLC interference suppressor reduces the impact of the interfering signals. As a result, most lamps will glow optimally without interference.

**Note:** it is possible that in your area there are more interfering signals found in the mains than average. When your lighting installation still suffers from this interference, your installer will need to install additional solutions. Check the FAQ dimming section on our website for more details. ([www.niko.eu/faq](http://www.niko.eu/faq)).



### 4. Is your installation 2-wire or 3-wire?

For new builds and installations since 1991, you can choose the **3-wire dimmer**. Verify your installation for complete peace of mind: it is possible that the builder of the house nonetheless installed a 2-wire installation (without the mandatory neutral wire).



Would you like to add a dimmer to a house where the neutral wire is not found in the wall boxes? No problem. Existing or older houses can now be fitted with **2-wire dimmers**. The dimming quality of the lighting remains guaranteed with a Niko dimmer.

Do your lamps, connected to a 2-wire dimmer, suffer from flicker that is not related to PLC interferences? Your installer can install one or more LED compensators (ref. 310-05001) to clear the lamp flicker.

# Niko universal dimmers

## One dimmer for every type of lamp


### Universal flush-mounted dimmers

	3-wire universal rotary dimmer (ref. 310-0190x + xxx-31003)	2-wire universal rotary dimmer (ref. 310-0390x + xxx-31003)	2-wire universal dimmer (ref. 310-0290x + xxx-31002)	2-wire universal connected dimmer for Niko Home Control for traditional wiring  (ref. 55x-72201 + xxx-32002, with lens or xxx-31002, without lens)
				
Dimmable LED lamps	•	•	•	•
Max. load *	5 - 325 W	3 - 300 W	3 - 300 W	3 - 200 W
Incandescent lamps	•	•	•	•
230 V halogen lamps	•	•	•	•
Low-voltage halogen lamps	•	•	•	•
Low-voltage LED lamps	•	•	•	•
Dimmable economy lamps	•	•	•	•
Integrated PLC interference suppression	•	•	•	•
Extension (for control from multiple places)	max. 5 rotary button extensions (ref. 310-0200x + xxx-31003)	max. 30 push buttons N.O. (ref. 170-0000x + xxx-61105)	max. 30 push buttons N.O. (ref. 170-0000x + xxx-61105)	max. 30 push buttons N.O. (ref. 170-0000x + xxx-61105)
				

\* The max. load is depending on the lamp type and temperature.



## Universal modular dimmers

	Universal modular dimmer (ref. 330-00700)	Universal modular dimmer 1-10 V (ref. 330-00701)	Universal dim module for Niko Home Control (ref. 550-00340)
			
Dimmable LED lamps	•	•	•
Max. load *	5 – 350 W	5 – 350 W	2 x 400 W
Incandescent lamps	•	•	•
230 V halogen lamps	•	•	•
Low-voltage halogen lamps	•	•	•
Low-voltage LED lamps	•	•	•
Dimmable economy lamps	•	•	•
Integrated PLC interference suppression	•	•	•
Control	push button N.O. (ref. 170-0000x + xxx-61105)	rotary button 1-10 V (ref. 310-0110x + xxx-31000)	dimming control for Niko Home Control (ref. xxx-52043 or xxx-52046)
			
Extension (for control from multiple places)	unlimited number of push buttons N.O. (ref. 170-0000x + xxx-61105)	.	unlimited number of dimming controls for Niko Home Control (ref. xxx-52043 or xxx-52046)
			

\* The max. load is depending on the lamp type and temperature.



# More comfort

## with additional control points



### Simple push-button dimming from multiple places

To dim your dimmable lamp from multiple places, you use a universal push-button dimmer (ref. 310-0280x or 310-0290x) and optional extension push buttons N.O. (ref. 170-0000x). The extension push buttons operate in the same way as the dimmer. You can switch your dimmer on and off or dim up or down. You can link up to 30 extra push buttons.



### Wall-mounted rotary dimmers

You can also select universal rotary dimmers and also expand them with other control points.

- With the 3-wire universal rotary dimmer (ref. 310-0190x), you can connect a maximum of 5 rotary button extensions (ref. 310-0200x). You can also select universal rotary dimmers and also expand them with other control points.
- You can extend the 2-wire universal rotary dimmer (ref. 310-0390x) with up to 30 push buttons N.O. (ref. 170-0000x). With these extra push buttons you can only switch your lighting on and off.



### Modular dimmers for Niko Home Control and for stand-alone use

- For dimming solutions with Niko Home Control select modular dimmer ref. 550-00340. You can opt for single (ref. xxx-52043) or double (ref. xxx-52046) controls with LEDs and dimming icons. You can add as many control points as you want to a Niko Home Control installation.
- With stand-alone universal modular dimmer (ref. 330-00700) you can connect up to 30 push buttons N.O. (ref. 170-0000x). You can link up to 30 extra push buttons.
- Would you like a modular solution with rotary button control? Choose the universal modular dimmer 1-10 V (ref. 310-00701) with rotary button control 1-10 V (ref. 310-0110x).







# Inspiring examples

## That's how Niko solves it

### 1. New build: dim your lighting with Niko Home Control

Want to dim the lighting in a Niko Home Control installation? Choosing the correct light level is easy with a dim module in the cabinet and the dimming controls on the wall. A specific three button dimming control provides smooth control over the dimmed lights. The buttons with indication LEDs show if the light is dimmed up or down. You can control any Niko Home Control installation with your smartphone, even when you are not at home.

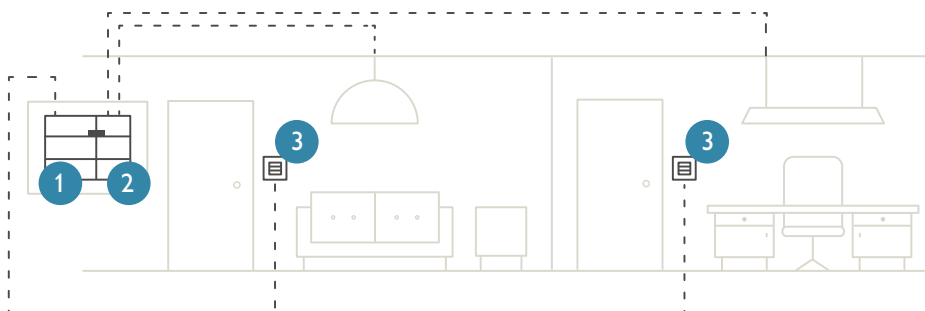
The universal dimming module from Niko Home Control dims dimmable LED lamps, 230 V halogen lamps, 12 V halogen lamps with a ferromagnetic or electronic transformer, dimmable economy lamps CFLi and incandescent lamps. You can add as many control points as you want.

#### Possible solution with classic luminaires:

- 1  1 x connected controller for Niko Home Control (ref. 550-00003)
- 2  1 x universal dimming module (2 x 400 W) for Niko Home Control with PLC interference suppression (ref. 550-00340)
- 3  Single or double dimming controls with or without LEDs for Niko Home Control, available in all Niko finishings (ref. xxx-5x04x)

#### Possible solution with DALI-2 luminaires:

- 1  1 x DALI-2 addressable module, 2 channel (ref. 550-00370)
- OR
- 1  1 x DALI-2 broadcast module, 2 channel (ref. 550-00371)
- 3  Single or double dimming controls with or without LEDs for Niko Home Control, available in all Niko finishings (ref. xxx-5x04x)



## 2. New build: dim your lighting with modular dimmers

Do you want to dim the lights in different places in your new house? Our modular dimmers in the electrical cabinet can dim high power lights. Ideal for controlling the lighting in the living room, the entry hallway, the staircase and the bedroom, for instance. You can configure the modular dimmer in such a way that the **lighting switches off automatically after 3 minutes**, or use a separate push-button to create an **all-off function**.

Possible solution:

1

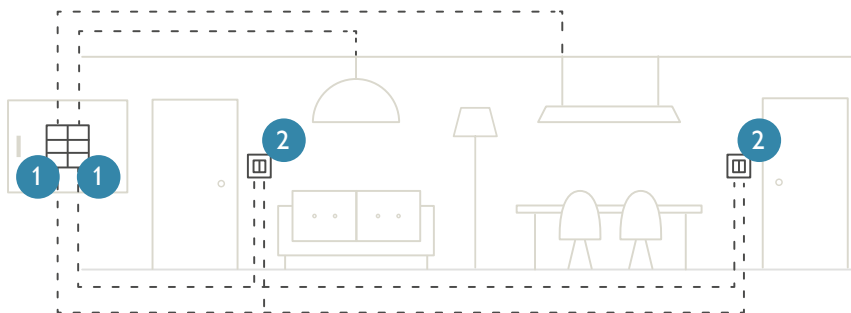


1 x universal modular dimmer  
with PLC interference suppression  
(ref. 330-00700)

2



2 x double push buttons N.O., available  
in all Niko finishings (ref. 170-0500x  
+ xxx-61505)



### 3. Renovation: replace a normal switch with a flush-mounted dimmer

Would you like to make it cosier in your bathroom? Then simply replace your switch with a dimmer. You can quickly finish the job without drilling or channelling, with both our 2-wire and 3 wire dimmers.

#### What do you need to do?

You remove the single-pole or the 2-pole switch from the wall and install a flush-mounted dimmer in its place. It couldn't be easier.

#### Possible solution for 2-wire installations:

1



1 x 2-wire universal rotary dimmer with PLC interference suppression, available in all Niko finishings (ref. 310-0390x + xxx-31003)

OR



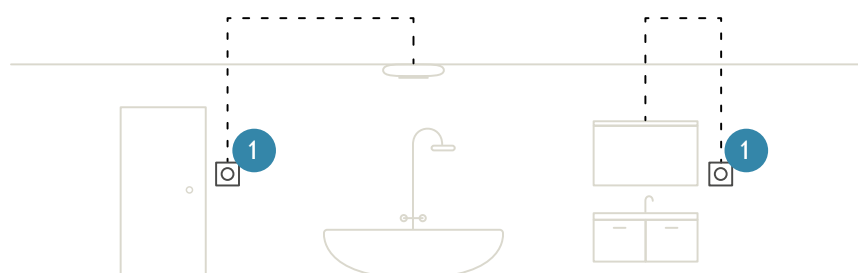
1 x 2-wire universal push-button dimmer with PLC interference suppression, available in all Niko finishings (ref. 310-0290x + xxx-31002)

#### Possible solution for 3-wire installations:

1



1 x 3-wire universal rotary dimmer with PLC interference suppression, available in all Niko finishes (ref. 310-0190x + xxx-31003)



## 4. Renovation: replace 2 two-way switches with a flush-mounted dimmer

You may want to dim your lamp from 2 places, and you will therefore need to replace 2 two-way switches. For instance, in the bedroom with a control point next to the door and one next to the bed.

### What do you need to do?

The switch which is connected with the lamp needs to be replaced by a dimmer, the other one by a dimmer extension.

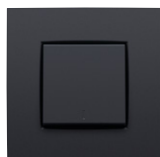
#### Possible solution for 2-wire installations:

1



1 x 2-wire universal rotary dimmer with PLC interference suppression, available in all Niko finishings (ref. 310-0390x + xxx-31003)

OR



1 x 2-wire universal push-button dimmer with PLC interference suppression, available in all Niko finishings (ref. 310-0290x + xxx-31002)

2



Up to 30 push-buttons N.O., available in all Niko finishings (ref. 170-0000x + xxx-61105)

#### Possible solution for 3-wire installations:

1

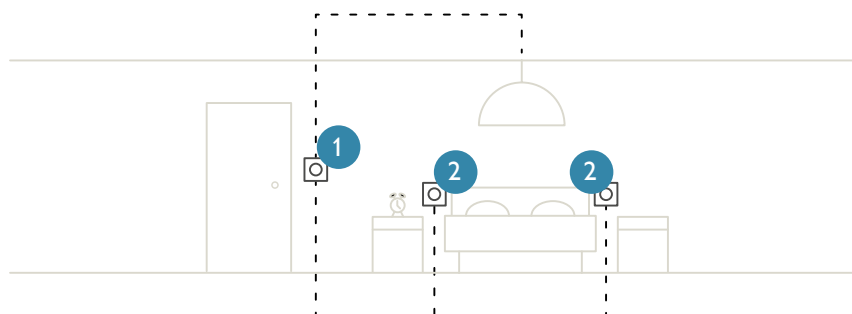


1 x 3-wire universal rotary dimmer with PLC interference suppression, available in all Niko finishings (ref. 310-0190x + xxx-31003)

2



Up to five 3-wire rotary button extensions, available in all Niko finishings (ref. 310-0200x + xxx-31003)





## 5. Renovation: replace a normal switch with a connected dimmer

Do you want to switch the main light off in your bedroom, without having to get out of bed? Or control the bedside lamps from the door? This is now also possible for older bedrooms which only have one control point next to the door. Without drilling or channelling. Do you also have a smart hub for Niko Home Control for traditional cabling? Then you can also dim the lighting with your smartphone.

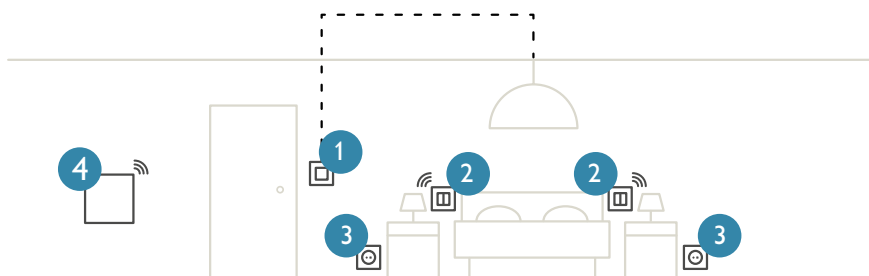
### What do you need to do?

Replace the switch next to the door with a connected dimmer. And affix 2 additional wireless switches next to the bed, wherever you prefer.

**Additional tip:** replace the socket outlets of your bedside lamps with a connected socket outlet, so that you can also control them with the wireless switches or your smartphone. Once again so simple!

### Possible solution:

	1 x connected dimmer for Niko Home Control for traditional cabling, available in all Niko finishings (ref. 55x-72201 + xxx-32002)*		2 x connected socket outlets for Niko Home Control on traditional cabling, available in all Niko finishings (ref. 170-34x05 + xxx-66930)
	2 x two-way wireless switches for controlling the room lighting and the bedside lamps, available in all Niko finishings (ref. 410-00002 + xxx-00007)		1 x wireless smart hub for Niko Home Control (ref. 552-00001)



## 6. Renovation: dim LED lighting

Have you chosen LED strips as staircase lighting, mood lighting or indirect lighting? Our dimming solutions for LED strips ensure very even light distribution from very low to maximum intensity.

Possible solution:

1



1 x wireless 4-channel constant voltage controller for following types of LED strips: RGB, RGBW, tunable white and monochrome (ref. 410-00121)

3



1 x power supply (60W or 100W) for LED strip (ref. 340-0005x)

2

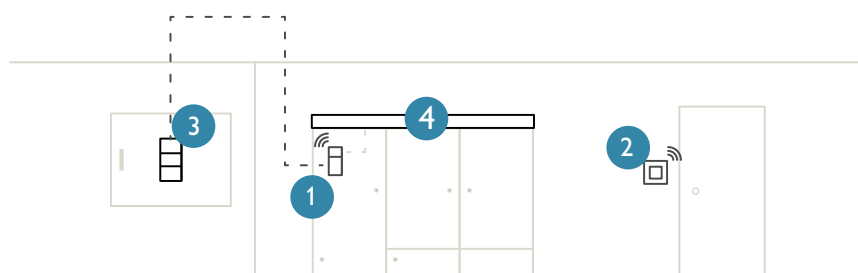


1 x wireless battery-powered LED strip control, available in all Niko finishings (ref. 410-00002 + xxx-90002)

4



LED strips





# Finishings of your choice

## Niko Pure

Do you love an **ultra-sleek design** in timeless materials? Then you will love the refined look of Niko Pure. A series made from special and authentic materials, including bamboo, stainless steel, Bakelite® and aluminium. Your guarantee of an elegant and sustainable finish. Affordable top design.



alu grey  
155-



alu steel grey  
220-



alu black  
158-



alu gold  
221-



steel white  
154-



steel black  
161-



steel champagne  
157-



stainless steel on white  
250-



stainless steel on anthracite  
150-



liquid snow white  
241-



liquid black  
242-



Bakelite® piano black  
200-



natural soft grey  
159-



natural red  
152-



bamboo  
156-



dark bamboo on anthracite  
256-



dark bamboo on gold  
257-

Bakelite® is a registered trademark of Hexion GmbH.



## Niko Intense

Niko Intense, a series that you need to feel. Niko Intense is all about touch. The **sleek shape** and **soft lines** radiate intensity. With these switches, you are choosing a distinctly warm character.



white  
I20-



sterling  
I21-



bronze  
I23-



dark brown  
I24-



anthracite  
I22-



matt black  
I30-

## Niko Original

Are you attracted to **soft lines** and **mild colours**? Then Niko Original is just what you are looking for. You are choosing a finish with a discreet presence.



white  
I01-



cream  
I00-



light grey  
I02-



greige  
I04-



# Trust the Niko quality



## The right light is a question of control

Your customers are in safe hands thanks to your knowledge and experience. You expect the same from us. You're right. That's why we test each product **extensively** in our own laboratory and with external parties. Is there anything which can be improved? Then we'll get right on it. That way, you can start the job with robust material. We're only happy when each product satisfies our **quality norms** down to the smallest details.

What does this mean in practice? With a Niko dimmer, your lighting is stable, without disturbing any other appliances. In the event of an overload, the safety function automatically kicks in. And all universal dimmers have PLC interference suppression as standard. Because quality matters.

## 4 year warranty

At Niko we have complete assurance in the quality of our products. That's why Niko offers a 4 year warranty instead of the statutory 2 year warranty. The warranty period starts **from the delivery date** and the invoice date counts as proof. Have you lost your invoice? Then we will use the production date as a guide. The warranty consists of a **repair or replacement free of charge** or a **credit note**.

Niko ontwerpt elektr(on)ische oplossingen die gebouwen beter laten werken voor iedereen die erin leeft en werkt. Door minder energie te verbruiken, lichtcomfort en veiligheid te verhogen en door alle toepassingen naadloos te laten samenwerken. Gebouwen met Niko zijn efficiënter, laten zich controleren vanop afstand en interageren binnen grotere ecosystemen. Niko is een Belgisch familiebedrijf uit Sint-Niklaas met 700 werknemers en 10 Europese vestigingen.

Bij Niko is er één vraag die ons elke dag bezighoudt: 'Hoe kunnen we gebouwen beter laten werken voor jou?'

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**niko**

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