A total solution in LED lighting

The complete range with LED lighting, profiles and the accompanying control

niko
Illuminating ideas.

Unique wireless control
for ultimate ease of use

Tunable white LED strip, colour LED strips or strips with colour LEDs and warm white LEDs? Discover all the colour variants with wireless wall control. Ideal for new builds and renovations. The wall control is the only control on the market that fits perfectly within the standard switching material Niko Pure, Niko Intense and Niko Original.

Simple wall control

The wall control consists of four buttons, follows the logic of Niko products, and is easy to use. Each button has two functions.

	press briefly	hold down
	switch on LEDs	brighten LEDs
	switch off LEDs	dim LEDs
	• RGBW LED strips: selection white value (100%-75%-50%-25%-0%) • RGB LED strips: selection from 7 pre-defined colours • Tunable white LED strips: selection from 3 pre-defined white values	• RGB(W) LED strips: RGB colour loop (9 seconds) • Tunable white strips: white colour loop (9 seconds)
	call favourite	store favourite

LED strips
for intense and soft colours

The right lighting is always important. The 24V LED strips from Niko ensure a top quality colour image. The white LED strips always provide the right mood. With RGB(W) LED strips, you can go a step further. For example, the user can choose the colour or white tone that best matches the occasion, and interiors come into their own.

White
Warm, neutral or cold white: depending on the desired amount of light, the user can choose from strips with 60, 120 or 180 LEDs per metre. With the strips of 180 LEDs per metre and the right profile, you can create very fine light lines. The typical dot effect of LEDs disappears, resulting in a pleasant even light surface. All white LED strips have a colour rendering index (CRI) of more than 80.

Colour
Want to create an intense play of colours? Our range also includes traditional RGB LED strips with 36 or 60 LEDs per metre.

Tunable white
Don't builders and renovators know which white tone fits best in their interior yet? Or do they want to adjust the light to the time of day and to what they are doing? And create the right mood in the process? With a combination of warm and cold white LEDs, the ideal lighting can be achieved for every situation.

Colour + white
The unique RGBW LED strips from Niko combine 60 RGB LEDs with 60 warm white LEDs per metre The user can vary the colour of the product as much as desired. This makes it possible to create an almost infinite number of white tones and, besides the most striking colours, it also creates the softest and most stylish tones.

All LED strips are available in **5-metre rolls**. You simply cut them to the desired length. Simply attach them with the adhesive strip on the back of the LED strip.

LED strips
for intense and soft colours

4 jaar garantie

	Description	Colour temp.	Light output	Consumption	Can be cut	L x W
Monochrome LEDs: 24 V, IP20, CRI > 80, LED format 3528						
340-11002	LED strip with 60 warm white LEDs/m	3000 K *	360 lm/m	4.8 W/m	10 cm	5 m x 8 mm
340-11003	LED strip with 60 neutral white LEDs/m	4000 K	330 lm/m	4.8 W/m	10 cm	5 m x 8 mm
340-11004	LED strip with 60 cold white LEDs/m	6500 K	330 lm/m	4.8 W/m	10 cm	5 m x 8 mm
340-11006	LED strip with 120 warm white LEDs/m	3000 K *	720 lm/m	9.6 W/m	5 cm	5 m x 8 mm
340-11007	LED strip with 120 neutral white LEDs/m	4000 K	660 lm/m	9.6 W/m	5 cm	5 m x 8 mm
340-11008	LED strip with 120 cold white LEDs/m	6500 K	660 lm/m	9.6 W/m	5 cm	5 m x 8 mm
340-11010	LED strip with 180 warm white LEDs/m	3000 K *	1080 lm/m	14.4 W/m	3.3 cm	5 m x 8 mm
340-11011	LED strip with 180 neutral white LEDs/m	4000 K	990 lm/m	14.4 W/m	3.3 cm	5 m x 8 mm
340-11012	LED strip with 180 cold white LEDs/m	6500 K	990 lm/m	14.4 W/m	3.3 cm	5 m x 8 mm
Tunable white LEDs: 24 V, IP20, CRI > 80, LED format 3528						
340-11021	LED strip with 120 tunable white LEDs/m (60 warm white + 60 cold white LEDs) [1]	3000 K * and 6500 K	690 lm/m	9.6 W/m	5 cm	5 m x 8 mm
RGB(W) LEDs: 24 V, IP20						
340-11024	LED strip with 36 RGB LEDs/m	RGB	/	8.64 W/m	16.7 cm	5 m x 10 mm
340-11025	LED strip with 60 RGB LEDs/m	RGB	/	14.4 W/m	10 cm	5 m x 10 mm
340-11026	LED strip with 120 RGBW LEDs/m (60 RGB LED, LED format 5050 + 60 warm white LEDs, LED format 3528) [2]	RGB and 3000 K *	/	19.2 W/m	10 cm	5 m x 12 mm

[1] Tunable white

[2] Colour + white

* This 3000 K has a very warm and cosy look and glow

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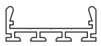
Profiles and covers
for all tastes

	Description		Height	Width	Inner width	Suitable for
Profiles (2 metres long)						
340-12001	Flat aluminium profile		6 mm	15.2 mm	11.2 mm	Monochrome + tunable white + RGB
340-12004	Aluminium corner profile		10.5 mm	30 mm	13.2 mm	Monochrome + tunable white + RGB + RGBW
340-12005	Aluminium profile with adjustable height		12 mm	16 mm	11.2 mm	Monochrome + tunable white + RGB
340-12006	Wide flat aluminium profile		10 mm	26 mm	22 mm	Monochrome + tunable white + RGB + RGBW
340-12007	Wide architectural aluminium profile		25 mm	26mm	24 mm	Monochrome + tunable white + RGB + RGBW

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		Description	340-12001	340-12004	340-12005	340-12006	340-12007
Covers (length 2 metres) and accessories			The possible combinations with different profiles.				
340-13001		Flat milky white cover	x		x		
340-13002		Flat transparent cover	x		x		
340-13003		Transparent lens cover	x		x		
340-13004		Flat milky white cover		x			
340-13005		Flat transparent cover		x			
340-13008		Flat milky white cover				x	x
340-13009		Flat transparent cover				x	x
340-14001		2 PVC end pieces	x				
340-14004		2 PVC end pieces		x			
340-14005		2 PVC end pieces			x		
340-14006		2 PVC end pieces				x	
340-14007		2 PVC end pieces					x
340-14020		2 spring clips for surface mounting				x	x
340-14021		2 spring clips for flush mounting					x
340-14022		2 galvanised mounting brackets	x				

4 jaar garantie

Control equipment
(Wireless)

		Description	Max. W	RF	Controllable	Use	H x W x D
RGB(W) controllers (24V DC)							
410-00121		RGB(W) controller RF	4 x 100 W (24 V) [1] or 4 x 4.2 A	yes	RGB, RGBW, Tunable white and monochrome	master or slave (max. 1 master and 9 slaves)	176 x 62 x 25 mm

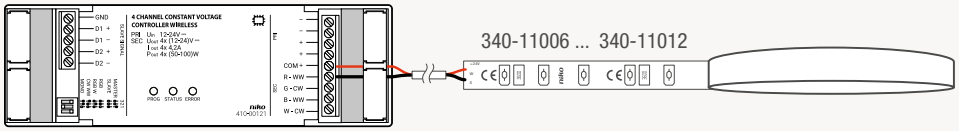
		Description	Range	Properties
RGB(W) wall controls				
410-00002 + XXX-90002		RGB(W) wall control	± 30 m indoors, 100 m in open field	wireless, incl. battery type CR2430

		Description	Max. W	RF	Controllable	Use	H x W x D
PWM dimmer for monochrome LED strips							
340-00048		PWM dimmer	100 W	no	monochrome LED strip	with wired push button for dimming	116 x 52 x 32 mm

[1] 4 x 100 means that you can connect 4 channels each with max. 100 W. For example, you connect 4 channels for RGBW (4 x 100 W, 4 x 4, 2 A or 20 metre). For monochrome white (1 channel) you can connect up to 40 metres (9.6 W/m) of LED strips to 1 controller. For tunable white (2 channels), RGB (3 channels) and RGBW, you can always connect up to 20 metres (19.2 W/m) of LED strips to 1 controller. See also the example diagrams later in the brochure.

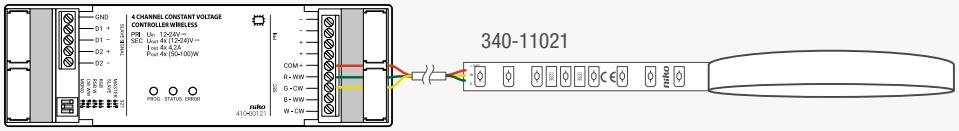
Niko universal controller
for control of all types of LED

Monochroom 410-00121
max. 100 W /kanaal



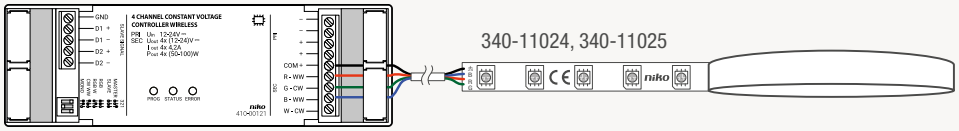
340-11006 ... 340-11012

Instelbaar wit 410-00121
max. 100 W /kanaal



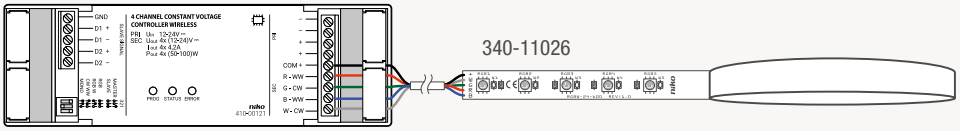
340-11021

RGB 410-00121
max. 100 W /kanaal



340-11024, 340-11025

RGBW 410-00121
max. 100 W /kanaal



340-11026

This is an example connection of 1 LED strip. Connect up to 4 LED strips (1 per channel) for monochrome white, up to 2 LED strips (2 per channel) for tunable white and 1 LED strip (per 3 or 4 channels) for RGB(W). Always take the maximum power into account.

4 jaar garantie

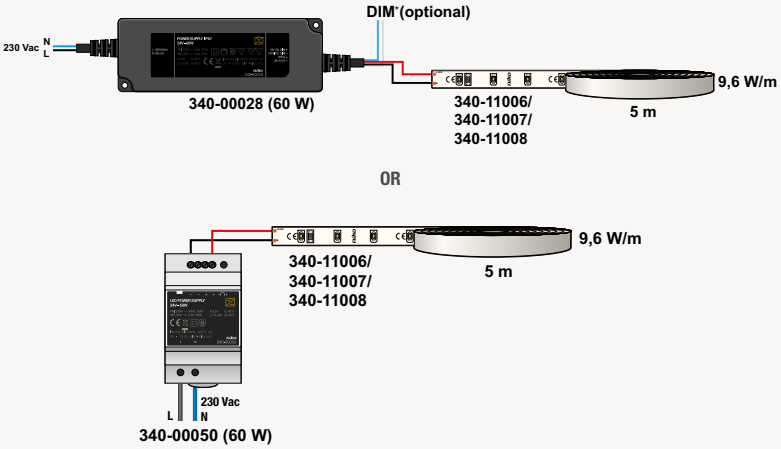
Power supplies

		Description	Max. W	H x W x D
DIN rail power supply (24V DC)				
340-00050		DIN rail power supply for LED strips	60 W	90 x 52 x 55 mm (4.5 DIN rail modules)
340-00051		DIN rail power supply for LED strips	100 W	90 x 70 x 55 mm (4.5 DIN rail modules)

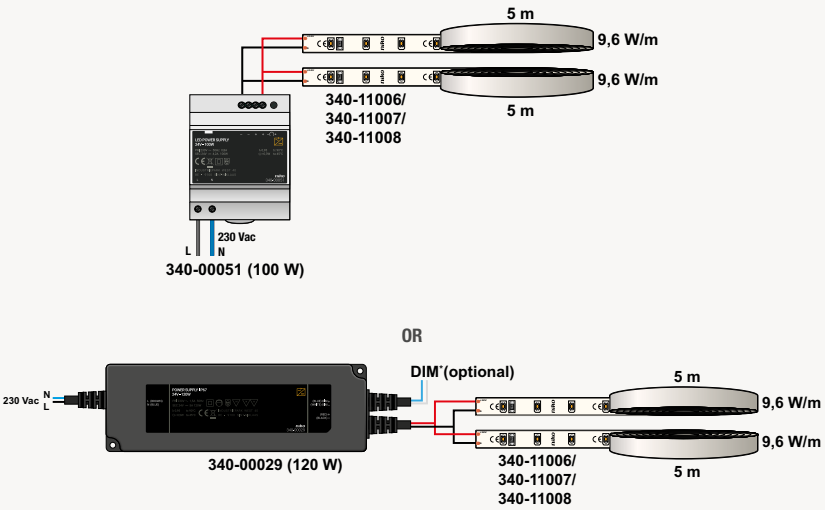
		Description	Max. W	Protection degree	H x W x D
Ballast-shaped power supplies (24V DC)					
340-00028		Power supply for LED strips	60 W	IP67	53 x 150 x 35 mm
340-00029		Power supply for LED strips	120 W	IP67	63 x 190 x 37 mm

Monochrome LED strips
on/off

5 metre LED strip with
120 white LEDs per metre



10 metre LED strip with
120 white LEDs per metre

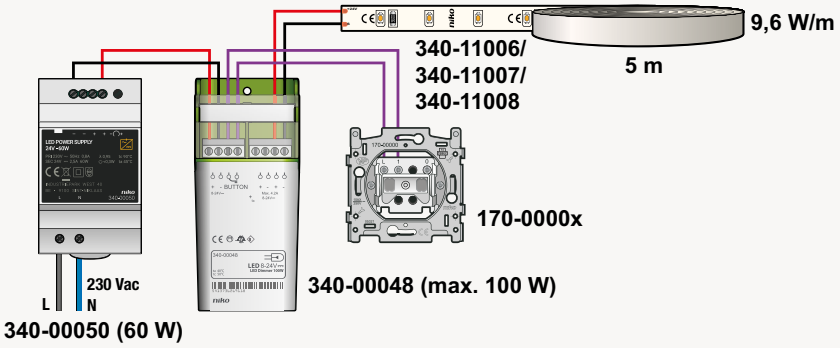


- Do you want more or less power? Then use a heavier or lighter power supply. Never place power supplies in parallel.
- Never connect the LED strips with each other. Do you need more than 5 metres? Always connect different strips of maximum 5 metres separately from each other on the power supply.

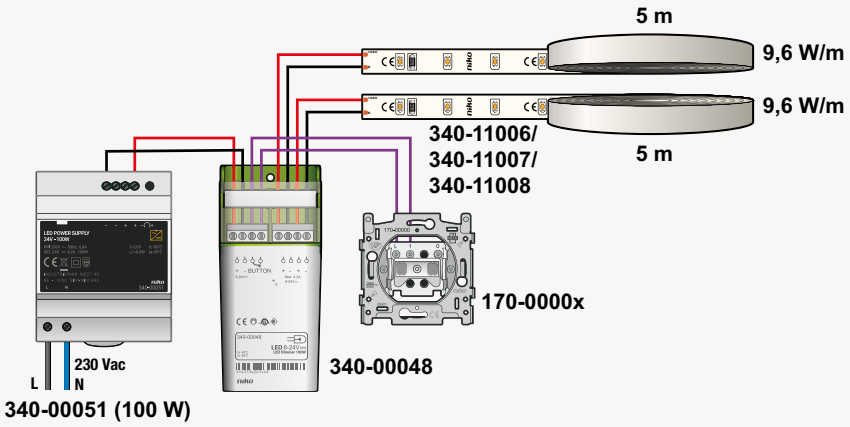
***** This power supply dims the voltage variation linearly. This can have adverse effects for low dimming levels. Do you have short LED strips with few colours and low power? Then choose a PWM dimmer.

Monochrome LED strips
on/off + dimming (max 100 W) via push button & PWM dimmer

5 metre LED strip with
120 white LEDs per metre

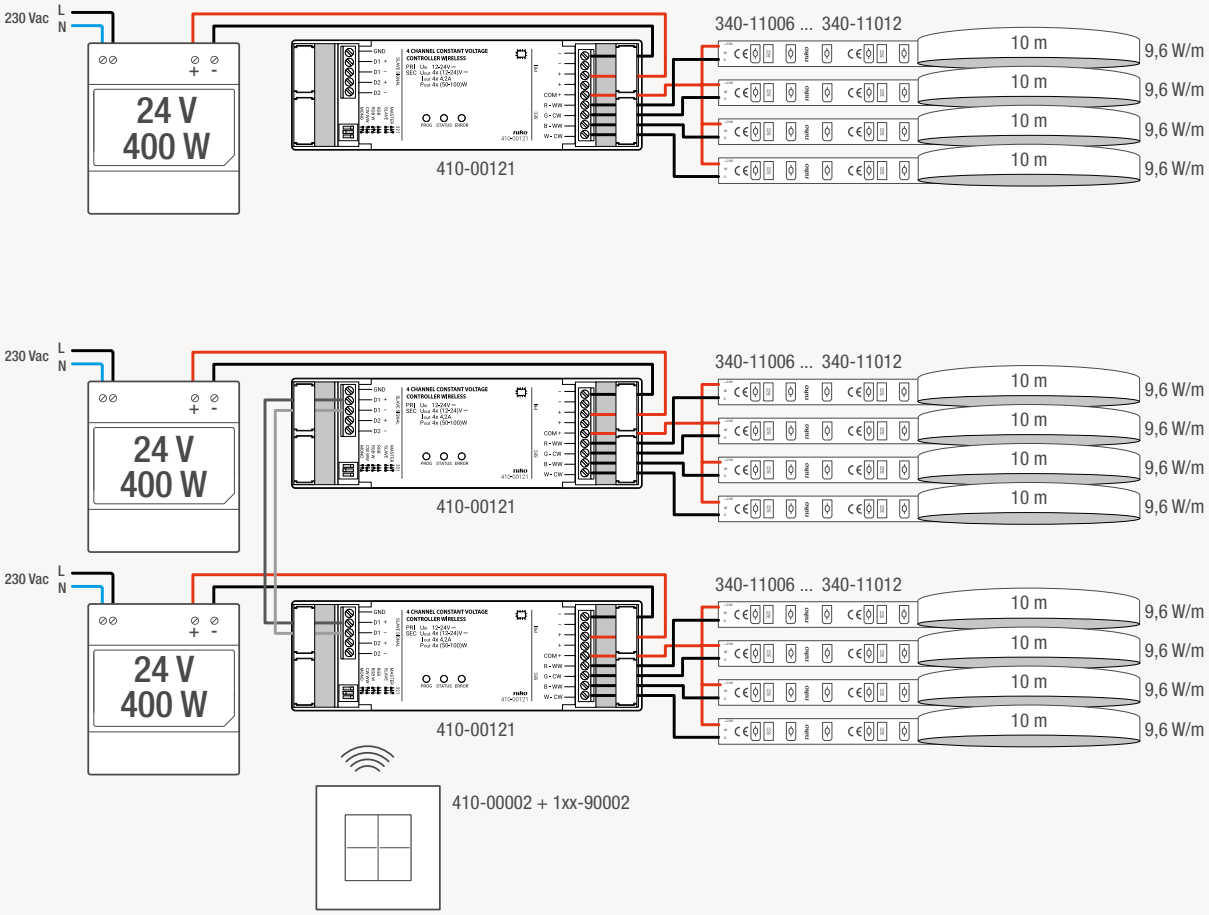


5 metre LED strip with
120 white LEDs per metre



- Never connect the LED strips with each other. Do you need more than 5 metres? Always connect different strips of maximum
  5 metres separately from each other on the PWM dimmer.
- The PWM dimmer has a maximum power of 100 W. Do you want to dim more than 100 W monochrome? Then use the RGB(W) controller. See diagram monochrome LED strips: on/off + dimming (>100 W).
- Power supply 340-00028 (60 W) and 340-00029 (120 W) can also be used.

Monochrome LED strips
on/off + dimming (>100 W)

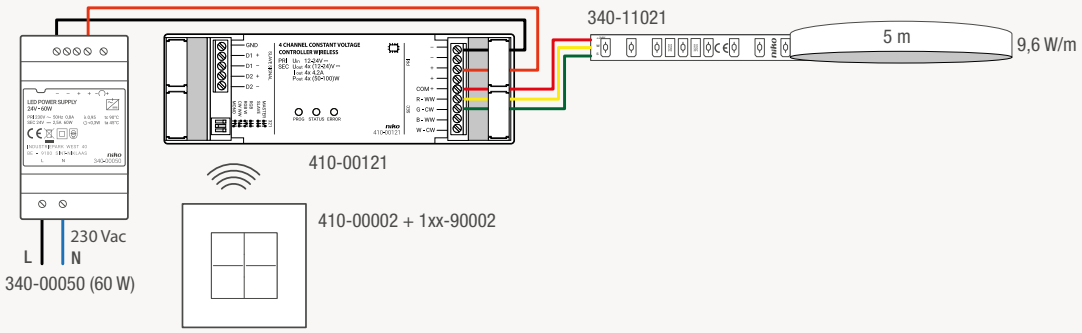


(wireless) dimming of 4 x 10 metre LED strips with 120 LEDs per metre

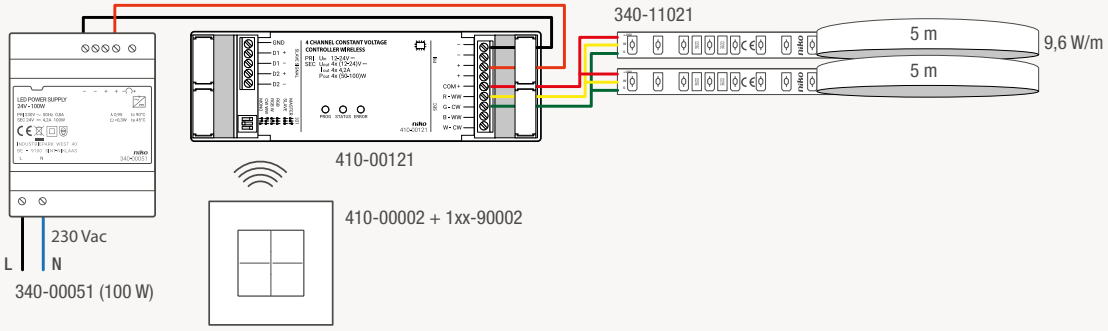
- Never connect the LED strips with each other. Do you need more than 5 metres? Always connect different strips of maximum
  5 metres separately from each other on the controller.
- For the wall control, set 1 controller as master and 1 as slave (add a maximum of 9 controllers as slave).
- Maximum number of controls: 15. Add each control separately.
- Each wall control has 4 buttons. For monochrome LED strips you only use 3 of them (on/off, dimming and memory function).

Tunable white LED strips
on/off/dimming/white selection/memory function

5 metre tunable white

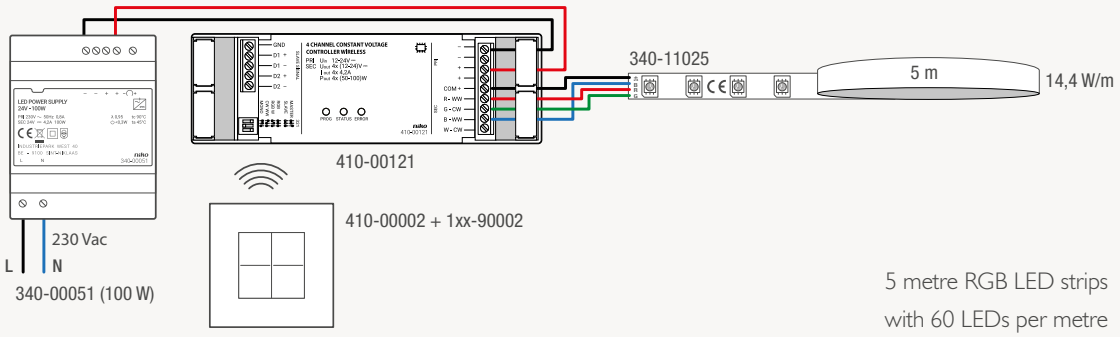


10 metre tunable white

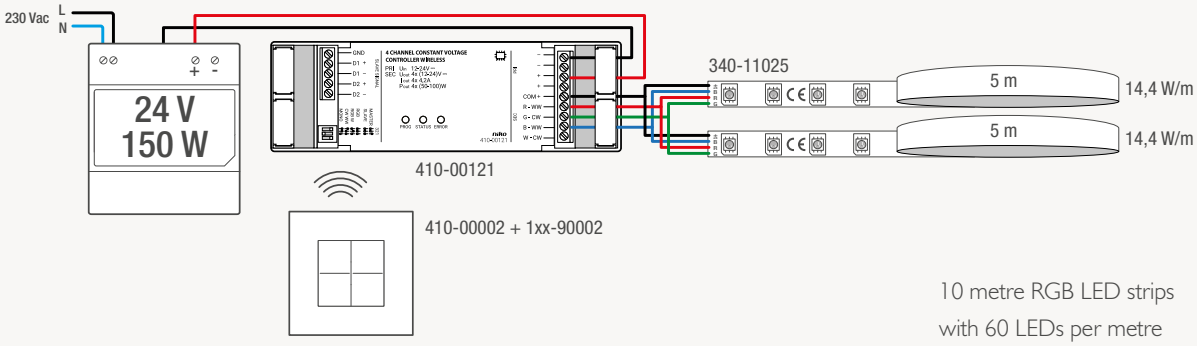


- Never connect the LED strips with each other. Do you need more than 5 metres? Always connect different strips of maximum
  5 metres separately from each other on the power supply.
- 1 controller controls a maximum of 20 metres of tunable white LED strips (9.6 W/m). Tunable white has 2 channels, with a maximum of 100 W per channel. For 20 metres, use a heavier 200 W power supply. Never set power supplies in parallel.
- Do you need to install more than 20 metres of LED strips? For the wall control, set 1 controller as master and add a maximum of 9 controllers as slave (max. 200 m). Always take into account the maximum power per controller and the power of your power supply.
- Maximum number of controls: 15. Add each control separately.

RGB LED strips
on/off/dimming/colour selection/memory function

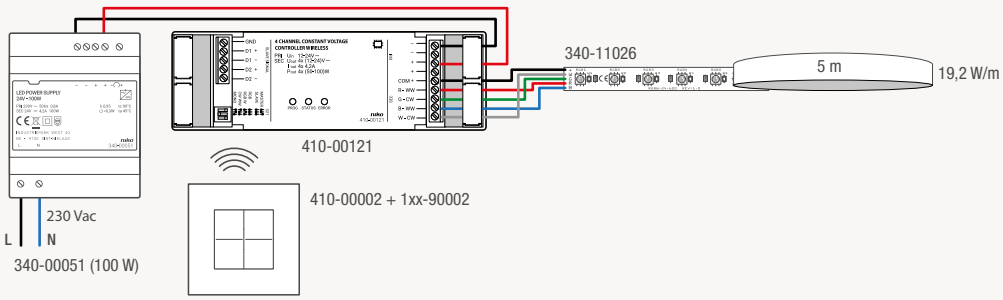


5 metre RGB LED strips
with 60 LEDs per metre

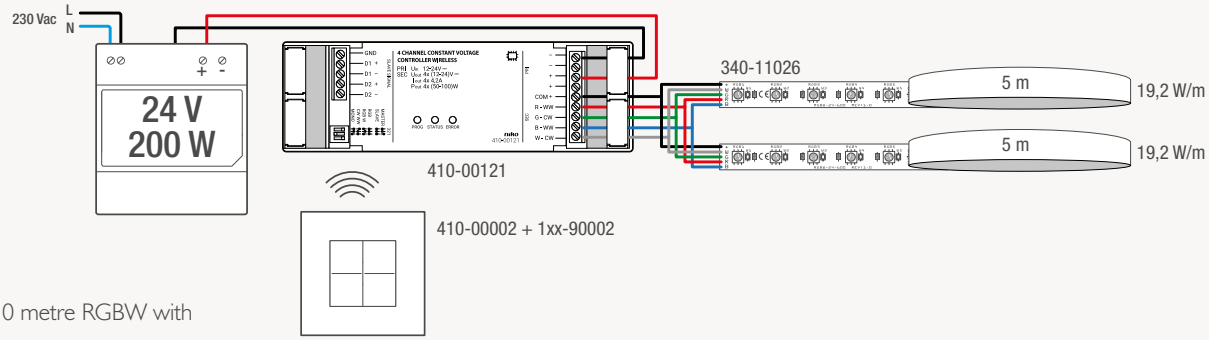


10 metre RGB LED strips
with 60 LEDs per metre

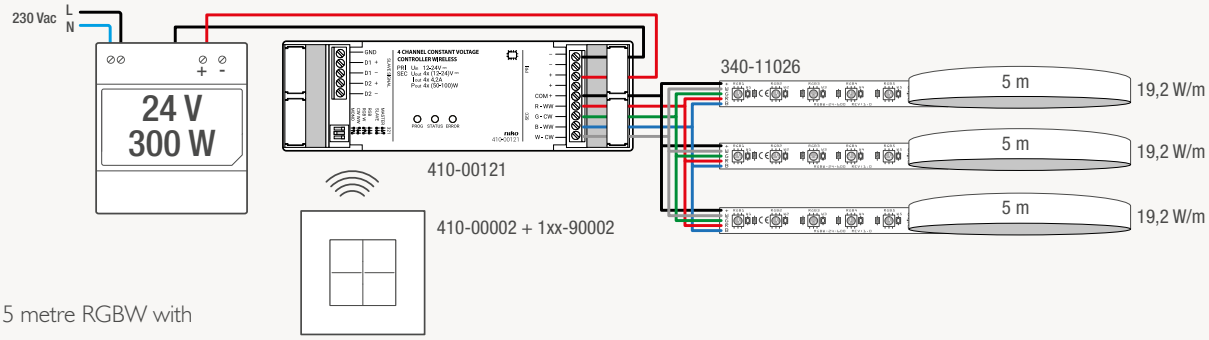
- Never connect the LED strips with each other. Do you need more than 5 metres? Always connect different strips of maximum
  5 metres separately from each other on the controller.
- 1 controller controls a maximum of 20 metres of RGB LED strips. RGB has 3 channels, with a maximum of 100 W per channel. Use a heavier power supply of 300 W for 20 metres. Never place power supplies in parallel.
- Do you need to install more than 20 metres of LED strips? For the wall control, set 1 controller as master and add a maximum of 9 controllers as slave (max. 200 m).
- Maximum number of controls: 15. Add each control separately.



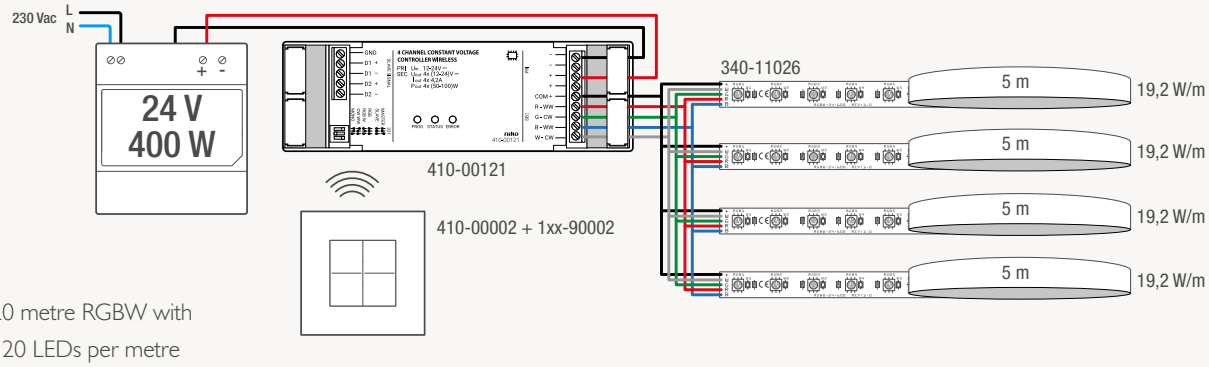
5 metre RGBW with
120 LEDs per metre



10 metre RGBW with
120 LEDs per metre

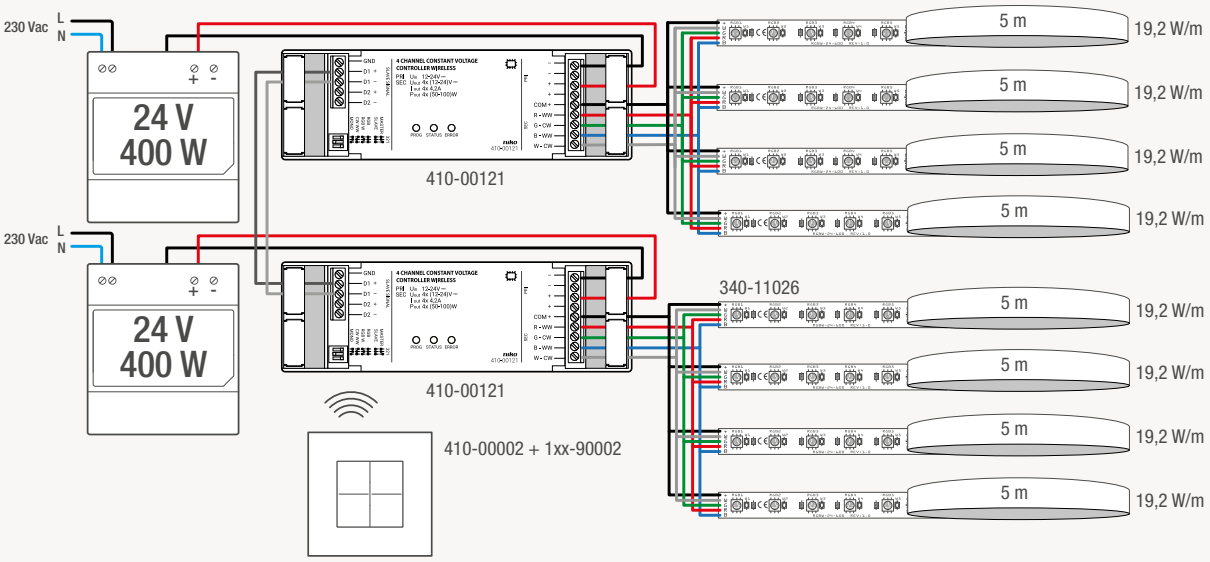


15 metre RGBW with
120 LEDs per metre



20 metre RGBW with
120 LEDs per metre

LED strips longer than 20 metres
example for RGBW



Connecting 40 metres

- Here you always connect 1 controller per 20 metres of LED strips. You do not need to connect the different controllers, unless you want to control them synchronously via 1 or more controls.
- To control synchronously, connect up to 200 metres of LED strips or 10 controllers (1 master with 9 slaves).
- For each controller, use a power supply that is strong enough (400 W). Never place power supplies in parallel.
- When installing, set 1 controller as master and the other as slave(s).
- Maximum number of controls: 15. Add each control separately.
- Never connect the LED strips with each other. Do you need more than 5 metres? Always connect different strips of maximum 5 metres separately from each other on the controller.

Niko designs electr(on)ic solutions to enhance buildings to better suit the needs of the people who live and work in them. This is achieved by using less energy, improving lighting comfort and safety and making sure all applications work together seamlessly. Buildings with Niko solutions are more efficient, controllable from a distance, and interact within larger ecosystems. Niko is a Belgian family business based in Sint-Niklaas, with 600 employees and 11 European branches.

At Niko we ask ourselves just one question every day: "How can we enhance buildings to better suit your needs?"

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