

# Niko dimmers for all types of dimmable lamps, including LED lamps

## 3-wire and 2-wire universal push button and rotary dimmers

- Perfect for all dimmable lamps and luminaires
- Easily integrated into an existing installation
- Multiple dimming profiles so that each type of lamp can be dimmed according to the ideal curve
- Integrated PLC interference suppression in every universal dimmer
- Standby consumption less than 0.6 W
- Control 1 light circuit from multiple locations by simply adding a rotary button or a NO (normally open) push button

## DALI rotary dimmer

- Dims DALI-controlled luminaires
- Both standalone and in combination with Niko DALI detectors
- Dims one zone or all zones simultaneously (up to 15 zones)

## PLC interference suppression in every universal dimmer

- In PLC sensitive areas, the integrated PLC interference suppression removes as many interfering signals as possible from the mains in order for most lamps to function optimally, without flashing or humming.

## Quickly find the right dimmer for every type of dimmable lamp and luminaire

Reference	Description	Cabling	 230 V	 Hal. 230 V	 Hal. 12-24 V	 Hal. 12 V	 LED (dimmable)	 CFLi (dimmable)	 1/10 V		Minimum load	Maximum load <sup>⑤</sup>	Maximum LED load
<b>Flush-mounted dimmers</b>													
 310-0190X	Universal rotary dimmer with PLC interference suppression, 5-325 W	3-wire	•	•	•	•	•	•			5 W	325 W	200 W
 310-0290X	Universal push-button dimmer with PLC interference suppression, 3-300 W	2-wire	•	•	•	•	•	•			3 W	300 W	200 W
 310-0390X	Universal rotary dimmer with PLC interference suppression, 5-325 W	2-wire	•	•	•	•	•	•			3 W	300 W	200 W
 310-0490X	Rotary dimmer with LED lighting, 4-200 W	2-wire	•	①		① ②	•				4 W	200 W	200 W
 310-0280X	Push-button dimmer 2-100 W	3-wire	•	•		•	③	•			2 W	100 W	100 W
 310-0110X	Rotary dimmer for systems with 1-10 V current control	1-10 V current control							•		④	④	---
 310-0210X	DALI rotary dimmer	bus wiring								•	---	---	---

① max. 105 W

② single reverse phase control

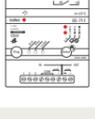
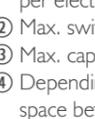
③ Philips LED luminaires type LEDINO

④ min. dimming capacity: 0.1 mA, max. dimming

capacity: 0.45 mA, max. switching current: 2 A

⑤ Depending on the dimmer temperature

Find the most recent information at [www.niko.eu](http://www.niko.eu)

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<b>DIN-Rail dimmers</b>												
 330-00700	Universal, modular dimmer with PLC interference suppression, 5 - 350 W	•	•	•	•	•	•			5 W	350 W	200 W
 330-00701	Universal modular dimmer with PLC interference suppression, 5-350 W analogue	•	•	•	•	•	•			5 W	350 W	200 W
 05-711	Modular dimmer for switching and dimming electronic ballasts							•		---	① ② ③	---
 05-715	Universal, modular dimmer 750 VA	•	•	•	•					60 W	750 W	---
 65-410	Universal, modular dimmer 1400 VA	•	•	•	•					100 W	1400 W	---
 65-411	Universal, modular dimmer 1400 VA (6 A) control via DALI	•	•	•	•			•	single control	100 W	1400 W	---
<b>Ceiling-mounted dimmers</b>												
 340-00048	PWM dimmer, 8 - 24V DC, max. 100 W					⑤						100 W
 340-00110	RGB controller, 8 - 24 V DC, max. 50 W					⑥						50 W
 410-00121	Wireless 4-channel constant voltage LED controller					⑦						⑧
<b>Connected dimmers</b>												
 05-338	Electrical ballast RF dim controller-receiver							•				⑨ ⑩
 05-350	Modular RF dim controller receiver							•				⑨ ⑩
 05-353	Wireless DIN rail-mounted dimmer	•	•	•	•					60 W	750 W	
 05-360	Universal wireless Easywave dimmer (single-pole, one channel)	•	•	•	•	•	•			7 W ⑪	250 W ⑫	100 W
 410-00400  410-00410	Smart universal push-button dimmer with RF transmitter and receiver, 3-200 W, 2-wire (claw fixing / screw fixing)	•	•		•	•				3 W ⑬	200 W	200 W
 550-00340	Universal dimming module 2 x 400 W for Niko Home Control	•	•	•	•	•	•			3 W ⑭	400 W ⑮	
 551-72201  551-72211  551-72221	Connected dimmer for Niko Home Control	•	•	•	•	•	•			3 W	200 W	200 W
xxx-91004	Niko dimmer switch for the Hue system						Hue LED lamps					

① Max. power consumption per electronic ballast: 50 mA

② Max. switching current: 6A

③ Max. capacity fluorescent lamps: 140 μF

④ Depending on the dimmer temperature and free space between two DIN rail dimmers

⑤ Monochrome LED strips

⑥ RGB LED strips

⑦ Monochrome LED strips, tunable white, RGB, RGBW

⑧ Max. load: 50 W for 12 V DC LED strips or 100 W for 24 V DC LED strips

⑨ Max. current at the control outputs: 45 mA

⑩ Max. switching current: 4 A

⑪ Min. load for ferromagnetic or electronic transformers: 20 W

⑫ Max. load for compact fluorescent lamps or dimmable LED lamps: 100 W

⑬ Min. load for halogen lamps 230 V AC or electronic transformers: 20 W

⑭ Max. load for compact fluorescent lamps or dimmable LED lamps: 200 W

Niko designs electr(on)ic solutions to enhance buildings to better suit the needs of the people who live and work in them. By using less energy, by improving light comfort and safety and by making sure all applications work together seamlessly. Buildings with Niko are more efficient, are controllable from a distance and interact within bigger ecosystems. Niko is a Belgian family business from Sint-Niklaas with 700 employees and 10 European branches.

At Niko, there is one question that keeps us busy every day: "How can we enhance buildings to better suit your needs?"

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