



 **blebox**
better life experience

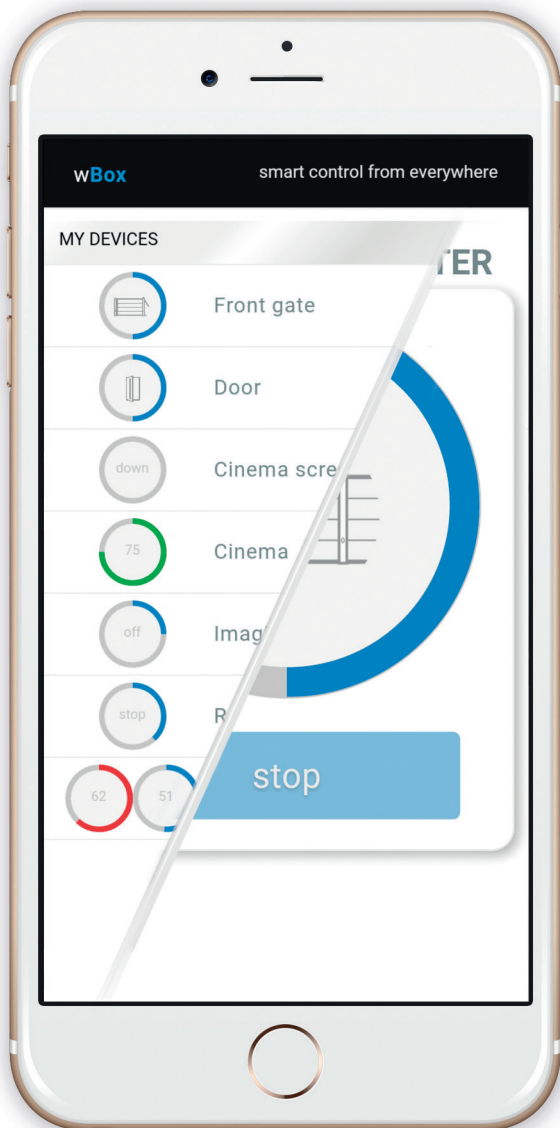
PRODUCT OFFER 



made in europe



- ▶ simplicity and scalability



Smart homes were from the beginning associated with expensive and complicated installations. Over the past five years, cheaper and less complicated solutions have appeared on the market. However, they have some disadvantages. To work they require a central unit, which is an intermediary device which makes possible the communication between the user (and more specifically the Smartphone or Tablet) and the controller. That device is far more expensive than the individual elements of the system and susceptible to failure. Such damage would cause the paralysis of the entire smart building.

wBox is an unique global solution. To operate, WBox devices **do not need additional equipment** such as Central Unit or hub. Just a simple WiFi network is enough. After connecting the device with your home network, it can be controlled from any place in the World. Without complicated configuration. You can start from one "cube" lamp or roller shutter controller and then extend **your own smart home** adding another one – according to your needs.

BleBox was created by a team of inventors and engineers, authors awarded with "The Polish Invention of the year 2014" award, the "Innovators 2016" award and the "Business Eagle 2016" award. They were also nominated to the "Top Innovators under 35 MIT" award, who up to the present have created over 30 innovative products and services.

Designed and produced entirely in Europe.

PATRYK ARŁAMOWSKI

founder of blebox.eu

CEO & founder of blebox.eu



PRODUCT OFFER



shutterBox is a device designed to wireless control of electric roller shutters, awnings, screens, etc. (by using Smartphones and tablets), also from any place in the world



free application

- It allows you to automate the work of hinged windows

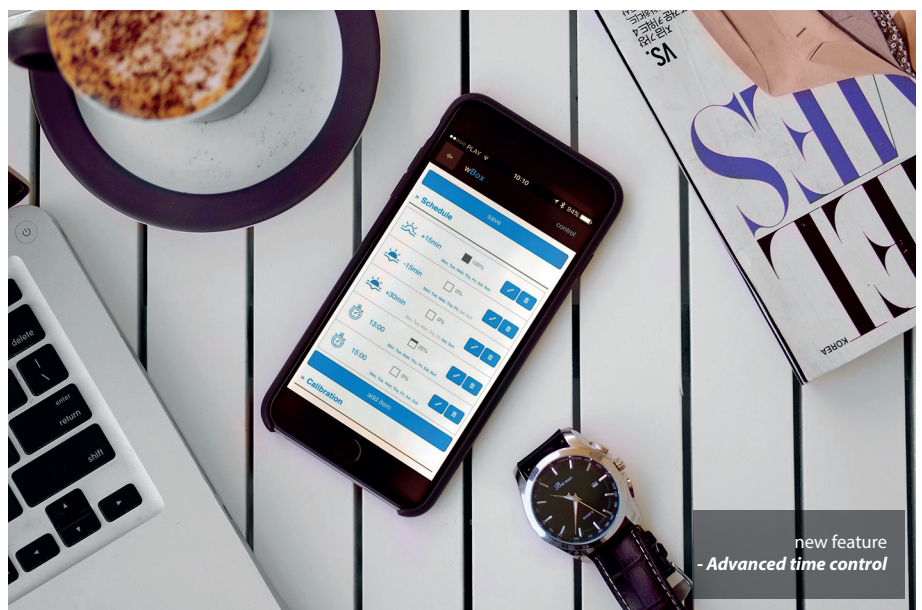
- the **integrated sensorial system** allows you to check whether the roller-blind is open or closed, as well as to set its position (e.g. to half-open)

- it has the **advanced timer control feature** - roller shutter can open automatically at sunrise and close at sunset - as well as at any time

- **thanks to the μ WiFi (microWiFi) communication technology**, the control is possible both in the direct range and from any location in the world

- it allows you to control the roller shutter locally with a single button

- the application to control the devices allows you to synchronize all of the roller shutters, giving the possibility to control them simultaneously, as well separately



new feature
- Advanced time control

TAKE CARE ABOUT THE SAFETY AND COMFORT OF YOUR FAMILY
CLOSE AND OPEN THE ROLLER SHUTTERS STRAIGHTAWAY FROM YOUR MOBILE PHONE

PRODUCT OFFER

gateBox is the first device in the world which allows you to open and close the gates, and what's more, to check their status by using a smartphone or tablet, without the need of purchasing an additional equipment or paying hidden fees



- it allows you to control virtually any gate (both entry and garage gates), as well as doors equipped with an electric lock

- it uses a wireless network at your home to allow the whole control with a mobile device

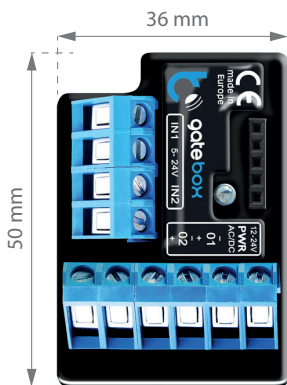
- it works with all door's engines which have a control input (to connect a button or intercom)

- **thanks to the μ WiFi (microWiFi) communication technology**, the control is possible both in the close range and from any location in the World



- by using the **virtual keys** you can control the access to the device in a simple way, which ensures the highest safety level

- in addition it can control the lighting (including multicolored lighting), garage ventilation, etc. by using our other products: wlightBox and switchBox





dimmerBox



lighting



electrical



on/off



microWiFi



smartphone

PRODUCT OFFER

dimmerBox is the World's first controller which allows you to turn on, off and control the brightness of **traditional 230V lighting - both incandescent and LED**, directly with smartphones and tablets - also **from any place in the world**

It allows you to control all kind of light sources suitable for dimming (leading edge and trailing edge) – using the application just choose the type of light you want to control and dimmerBox will set its parameters to ensure an optimal and safe operation

the integrated soft-start function has positive impact on the user comfort, when we turn on the light, it illuminates gradually. **Thereby, it increases life span of a bulb**

dimmerBox allows you to adjust the brightness of the lighting depending on your needs, it also has a **timer function** (e.g. the light can slowly fade down when we are falling asleep or fade up in the dark, wake up in winter mornings)



it have a **smart fuse** - when it detects a dangerous event immediately disconnect the damaged device and after solving the problem (e.g. bulb replacement) simply touch the button on the screen of your smartphone to "replace the fuse"

you just need one device to control the lighting in the room, and adding more devices allows you to control the lighting of the entire house

It does not require additional modules, hubs, or central units

reducing the brightness, we not only protect the environment but also we save money - using 4 popular 50W halogen spotlights, a power reduction by half when used for two and a half hours a day brings more than 10 Euro savings per year, and more than 60 Euro energy saved for the entire house per year



using dimmerBox you can easily simulate your presence in the house or apartment (a longer trip/holiday) to help protect it from burglars

TURN ON / OFF AND DIMM 230V LIGHTING FROM ANY PLACE IN THE WORLD

PRODUCT OFFER



wLightBox is the smallest wireless light controller in the world which allows you to control colourful (RGB + W) and mono-color LED lighting. It is supported not only by smartphones and tablets, but also laptops, personal computers and other modern devices.

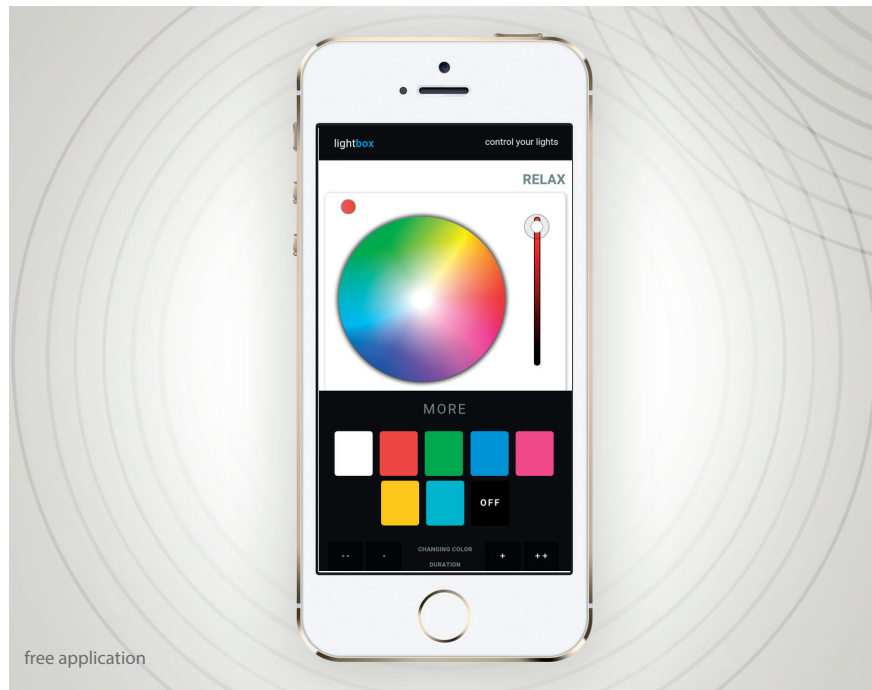
- it is based on the **µWiFi (microWiFi)** communication technology, which combines the advantages of low energy Bluetooth 4.1 and WiFi. Thanks to this, the control is possible both in the direct range and from any place in the world

- it does not require additional modules, hubs, or central units

- the free wBox application is enough to control the device

- you can protect your devices with a password

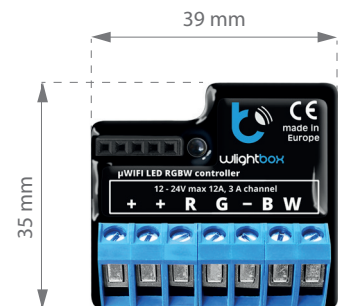
- you can control multiple devices at the same time and also use many phones



free application

- the controller is made of a special, non-flammable resins which protects it from environmental influences and factors which threaten the users safety

- designed in particular for residential and commercial lighting and Architectural Accented Lighting



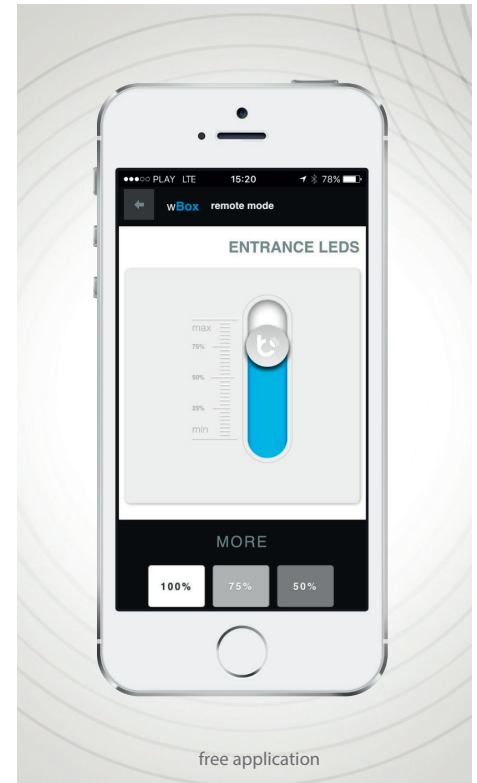
PRODUCT OFFER

wlightBoxS is a miniature device that allows you to control the brightness of single color LED lighting by using smartphones and tablets. Thanks to its unique technology μ WiFi allows you to control lighting wirelessly.

wlightBoxS is the smallest in the World LED dimmer (dimensions: 35 x 24 x 15 mm) designed to work with smartphones - fits easily in the housing of the light source



this is the simplified version of one of the most popular devices for remote control of multicolor lighting - wLightBox (LED RGBW), dedicated to all installations of single-color lighting.

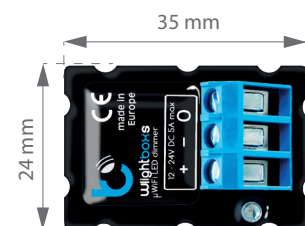


wlightBoxS allows you to adjust the brightness of the lights depending on your needs, it also has a **timer control function** (e.g. the light can slowly fade down when we are falling asleep or fade up in the dark, wake up during winter mornings)

you just need one device to fully control the single light source, and adding more - allows you to control the lighting of the entire house

it does not require additional control modules, hubs or central units

using wlightBoxS you can easily simulate your presence in the house or apartment (a longer trip/holiday) to help protect it from burglars



PRODUCT OFFER



switchBox allows you to wirelessly turn on or off electric devices powered by network voltage of 230V and up to 3kW of power. You can control the load via mobile devices and personal computers from any location in the world.



free application

- by using switchBox you can easily turn on heating before you get home

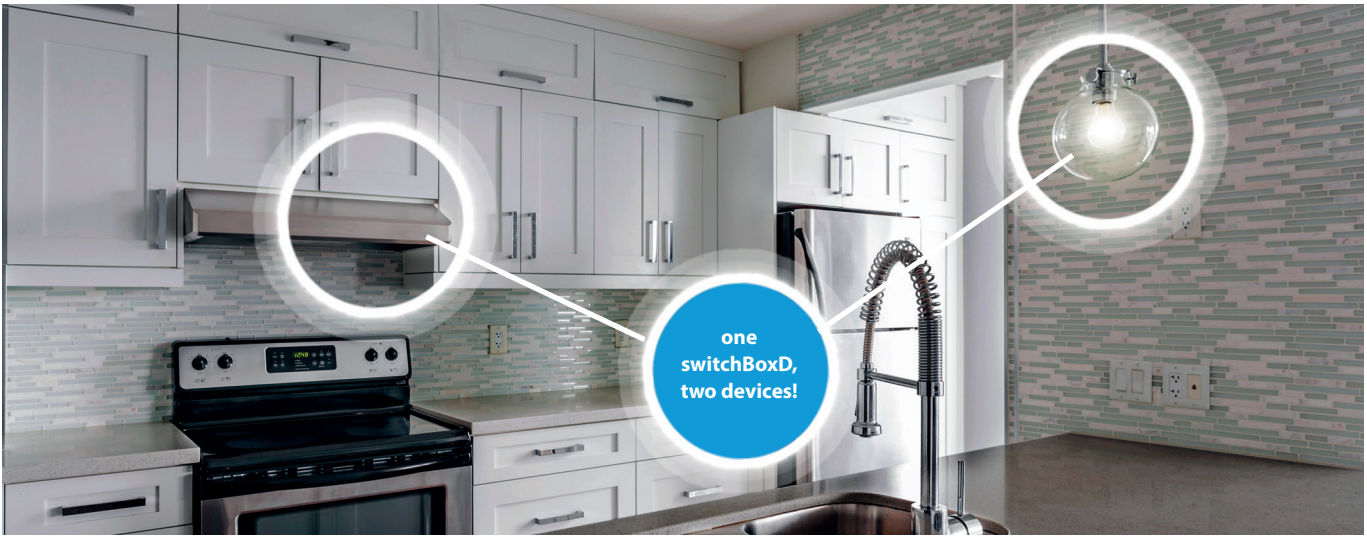
- **thanks to the μ WiFi (microWiFi) communication technology**, the control is possible both in the direct range and from any location in the world

- the **free wBox application** is enough to operate the device

- by using switchBox you can control the lighting (inside and outside the buildings), ventilation, heating, air conditioning and any other electronic devices



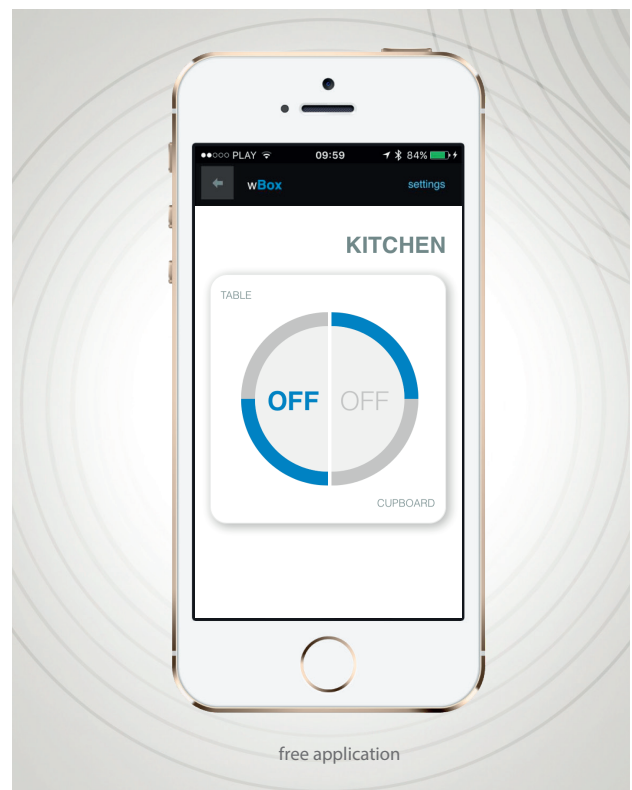
PRODUCT OFFER



switchBoxD - "double" SwitchBox - can wirelessly turn on or off main voltage electrical devices it can control two 5A loads (in total 2 kW). Suitable for smaller devices, wherever you want to control two independent electrical circuits with a single controller.

you can control your device with smartphones and tablets, and personal computers from any location in the world

thanks to the μ WiFi (microWiFi) communication technology, the control is possible both in the direct range and from any location in the World



the free wBox application is enough to operate the device

using the module switchBoxD can be controlled, among others, lighting inside and outside the buildings, ventilation, heating, air conditioning or any other home electronics / household appliances

PRODUCT OFFER



µRemote is the first fourth generation remote control. With it, you can control every device in the house and garden. Configurable from the application, loaded like a smartphone. Simply smart.

- with the µRemote you can control all devices based on the technology micro-WiFi: gates, roller shutter, lighting or other electrical devices

- thanks to the Haptic Feedback Display and two-way communication, the remote control signals whether the command has been carried out (e.g. not seeing the roller shutter, it can be sure that it has been closed)



- µRemote can be configured and paired to other devices using the same application that is used to control other wBox devices

- µRemote uses cryptographic technologies many used in banking, much more effective than those currently used

- in the case of loss or theft of the remote control, you can immediately delete its access using the application

- µRemote can be charged (with an ordinary smartphone charger)

- the remote control can be updated (within the updates, the manufacturer adds new features and introduces improvements - which are always available for free)

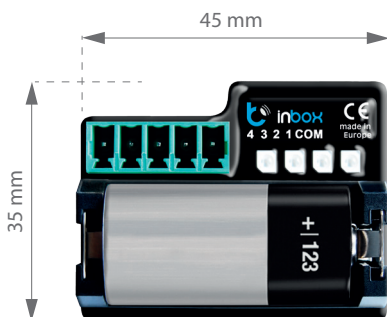
- available in two versions: Basic and Pro (the Pro version has an elegant, metal finish, the Basic version with a plastic finish, works successfully as a backup pilot - also due to the lower price)

PRODUCT OFFER



inBox is a miniature module which allows you to control devices using a push-button, without the need to connect them with wires, without restrictions.

by using **inBox** you can control all devices using the μ WiFi technology: gates, roller shutters, lighting or other electrical devices



installing a new push-button in the house has never been so easy - without forging walls, without renovation, you can mount an additional light switch, a button that opens the blind or gate - not only on the wall but also on the table or even in the shower *

inBox works with each monostable push-button - it allows full freedom for interior design

the same push-button can be used to control multiple devices - a short pressing will turn on the light in front of the house and a long pressing will open the gate - without the need to looking for the remote control

** due to the fact that the device needs only a small 3V battery, it is completely safe also in places where the use of traditional switches at 230V can be a threat to life or health*

PRODUCT OFFER



lightBox is the smallest wireless light controller in the world which allows you to control both colourful (RGB) and plain LED lighting by a smartphone or tablet

this is the younger brother of the wLightBox controller, based on the fourth-generation Bluetooth technology

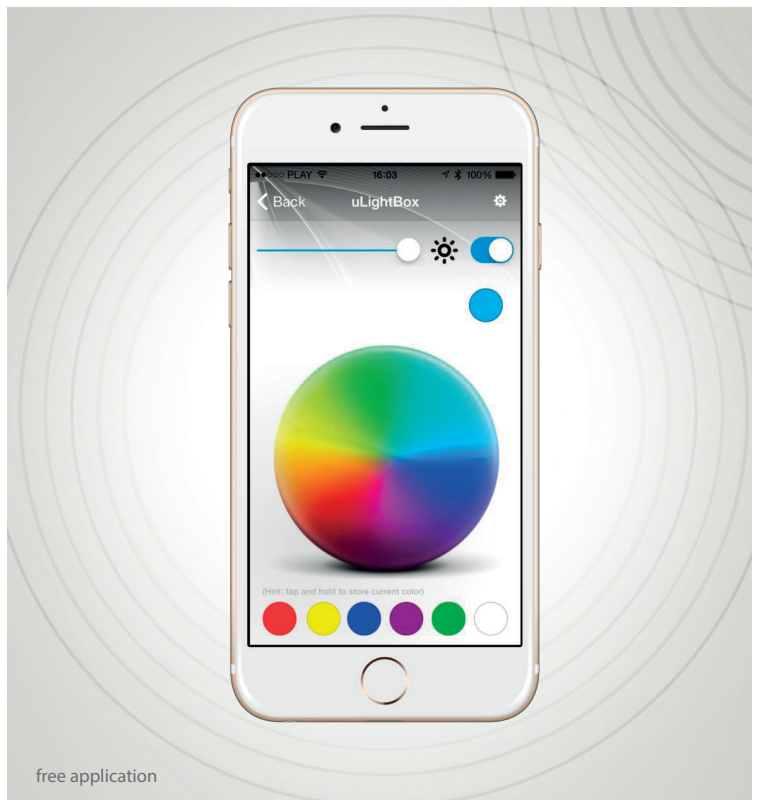
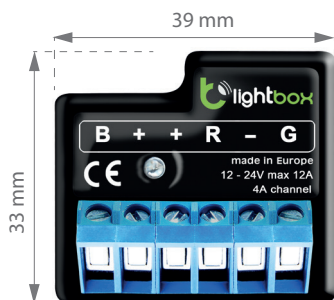
It allows you to control the LED lighting by using the specially designed, free BleBox app, which is available on mobile Apple and Android devices

It allows you to control the RGB LED lighting or 3 plain LED channels

its use is simple and gives you the possibility to create amazing lighting effects

with a single mobile device (Smartphone or Tablet) you can control many sources of light at the same time

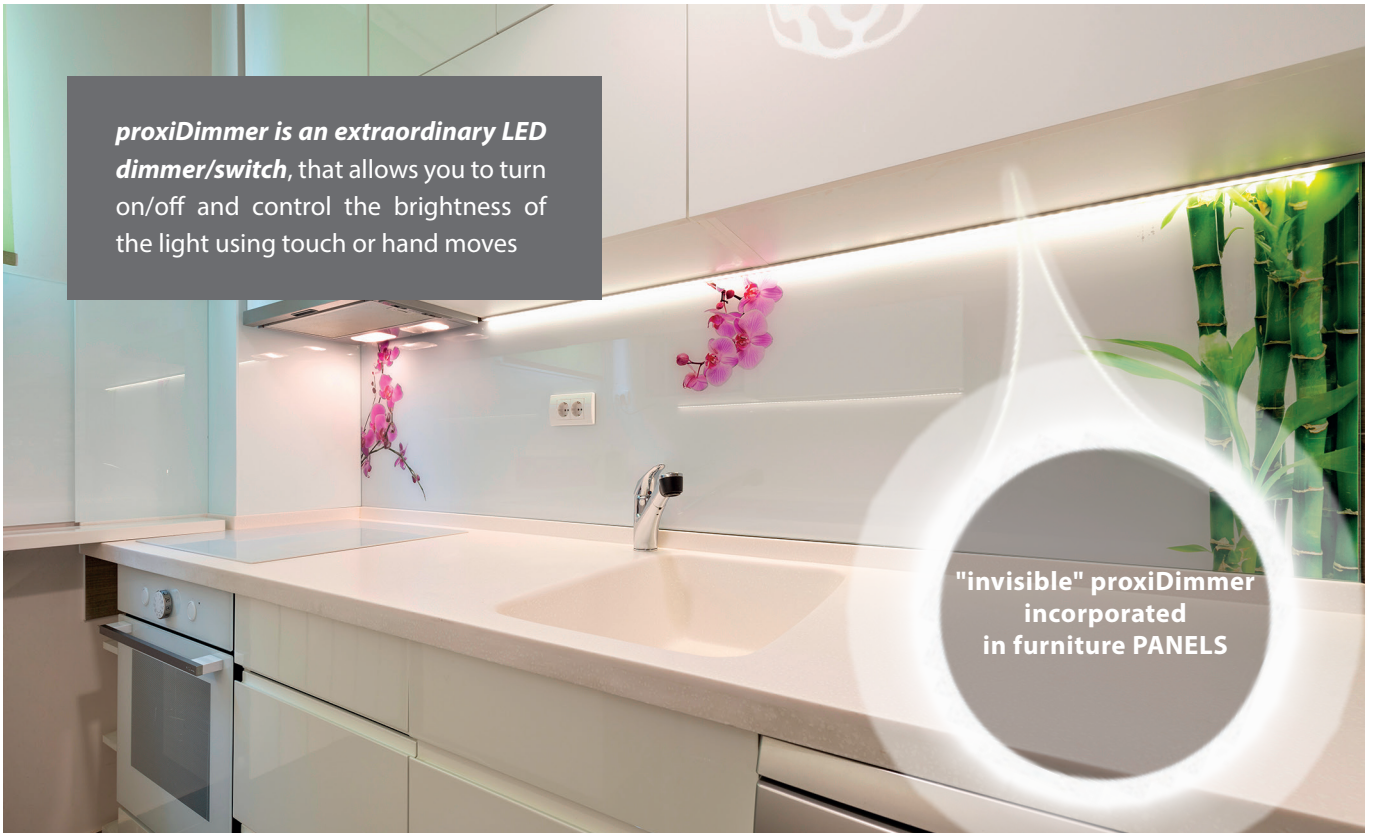
due to its durability and very small size it is often used in the automotive industry, and sailing (e.g. yachts illumination)



free application



PRODUCT OFFER



- works through nonconductive materials (wood, stone, glass, etc.), so that it can be embedded in different objects (such as furniture) - it becomes invisible then

- patented technology to detect the closeness of objects with dynamic calibration makes it so that the sensitivity adjustment is not required - it automatically calibrates within a few seconds

- it has time functions (turning the lights on for a 15 seconds time period)



- is also available in the OEM version for furniture manufacturers

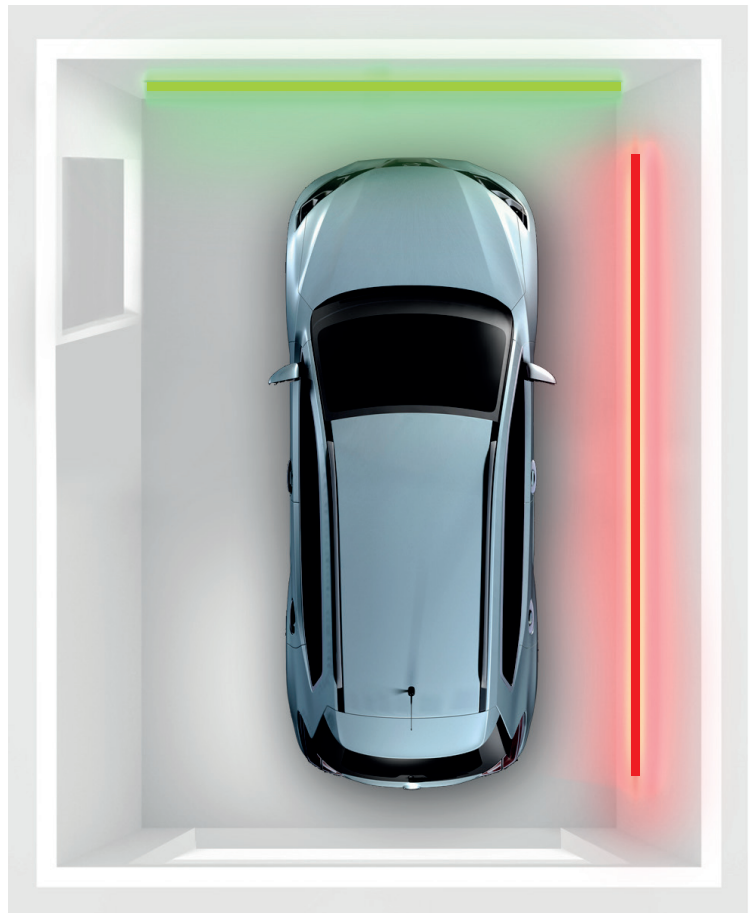


PRODUCT OFFER

parkingSensor is an unique RGB LED controller, which helps parking by using colorful lights

it controls in a direct way the LED/LED RGB (e.g. LED strip, lighting fixture) and by changing the colors of the light it informs the vehicle driver about the distance from the obstacle

very useful in single-family house garages and underground parking garages (both private and public - for example, in shopping malls)



in contrast to similar devices available on the market, it does not require installation of additional, expensive controller - it only needs a power source

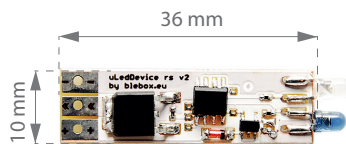
small size and ease of installation, enables to fast and easy mounting of the device in the parking location





PRODUCT OFFER

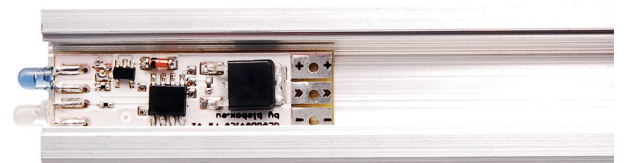
reflectiveSwitch is the smallest, reflective LED controller in the world, based on opto-electronic reflective sensor and miniature processor responsible for digital signal processing



• after connection to the LED strip, it turns on the lighting inside the furniture (e.g. cupboards, drawers) every time it is opened and turns off when it's closed

• its precision and the technology used makes sure that the not completely closed door does not cause a problem - the light will turn off anyway

• reflectiveSwitch can be located in most of the LED profiles available on the market



reflectiveSwitch profile

IT WILL EASILY ILLUMINATE THE INTERIOR OF YOUR FURNITURE

PRODUCT OFFER

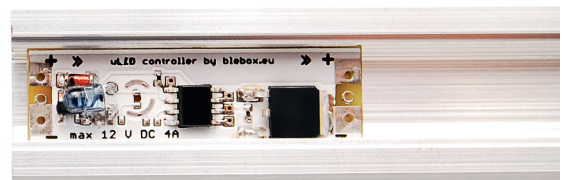
*twilightSwitch is the smallest twilight switch controller for use with the LED lighting **in the world***



- it can be located in most of the LED profiles available on the market

- an intelligent algorithm applied to the device makes that the calibration is not required

- it automatically turns on Low voltage LED lighting (e.g. LED strip) at the evening and turns off when it is getting bright



twilightSwitch profile

- used in illumination of ramps, elevations, courtyards, gardens, etc.



IT TURNS ON THE LIGHTING AT THE EVENING AND TURNS OFF WHEN IT IS GETTING BRIGHT
EVERYTHING AUTOMATICALLY

PRODUCT OFFER



ampBox is a professional, four-channel LED amplifier, designed to work in traditional and smart low-voltage LED systems

it allows to attach significant load to the LED controllers

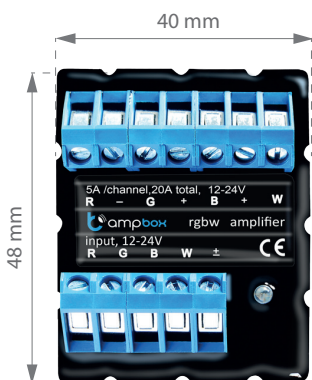
it provides safety through separation (galvanic separation) of the input and output potentials

designed to use every place where we is necessary to make additions, including:

- LED /RGBW LED load;
- resistive load (e.g. bulbs powered by voltage DC 12-24V with more power than provided by the controller, LED dimmer, RGBW controller, etc.);
- high power LED lighting, e.g. for cars or specialistic

thanks to the use of the optoelectronic separation, in case of a damage (e.g. overvoltage, improper connection, power supply failure, etc.) of one of the sections, the remaining part of the installation is not getting damaged

it has an input signal correction system



INCREASE THE POWER OF YOUR LED LIGHTING IN A SIMPLE WAY

TECHNICAL SPECIFICATIONS

electrical parameters	
supply voltage	▶ 230V AC
energy consumption	▶ < 1W
control output	
number of output control	▶ 2
type of output control devices	▶ relay, push-pull, NO
maximum load	▶ 5A
pushbutton inputs	
number of inputs	▶ 2
input type	▶ logical, push button, short circuited to N, configurable
physical characteristics of the device	
dimensions	▶ 39 x 42 x 24 mm
protection level	▶ IP20
housing	▶ made of polyurethane composition not containing halogens, self-extinguishing for thermal class B (130 °C)
mounting method	▶ in the flush-mounted box (deepen or double) in the roller shutters case, etc.
characteristics of the communication	
communication standard	▶ μWiFi, compatible with WiFi, 802.11g
radio frequency	▶ 2.4 GHz
transmission type	▶ bi-directional, encrypted
API	▶ open
mode	▶ direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (requires only access to the Internet)
compatible devices	▶ Apple iPhone, Apple iPad, iPad Mini, Android, Windows Phone, computers and mobile devices supporting HTML5



electrical controller devices, powered by 230V



microWiFi devices that use microWiFi wireless communication



windows and doors products for use in cooperation with windows and doors



security security and access control devices



smartphone devices controlled using smartphones and tablets

TECHNICAL SPECIFICATIONS

electrical parameters					
supply voltage	▶	12 - 24V AC / DC	average current consumption	▶	50mA
energy consumption	▶	< 2W	maximum current consumption	▶	250mA
control output		inputs signal			
number of output control	▶	2	number of inputs	▶	2
type of output control devices	▶	open collector, pulse	input type	▶	logical
maximum voltage	▶	24V	voltage range	▶	12 - 24V AC / DC
maximum load	▶	20mA	polarization inputs	▶	detected automatically
galvanic isolation	▶	yes	galvanic isolation	▶	yes
physical characteristics of the device					
dimensions	▶	50 x 36 x 18 mm	protection level	▶	IP20
housing	▶	made of polyurethane composition not containing halogens, self-extinguishing for thermal class B (130 °C)	mounting method	▶	component adhesive (foil) or in housing
characteristics of the communication					
communication standard	▶	μWiFi, compatible with WiFi, 802.11g	radio frequency	▶	2.4 GHz
transmission type	▶	bi-directional, encrypted	API	▶	open
mode	▶	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (requires only access to the Internet)	compatible devices	▶	Apple iPhone, Apple iPad, iPad Mini, Android, Windows Phone, computers and mobile devices supporting HTML5



microWiFi devices that use microWiFi wireless communication



garage products for use in garages and parkings



car devices associated with the automotive industry



security security and access control devices



smartphone devices controlled using smartphones and tablets



BRIGHTNESS CONTROLLER FOR 230V LIGHTING WITH μWiFi TECHNOLOGY

TECHNICAL SPECIFICATIONS

electrical parameters	
supply voltage	▶ 230V AC
energy consumption	▶ <1W
control modes	▶ leading edge, trailing edge
control output	
type of output control	▶ output phase
maximum voltage	▶ 230 V AC
maximum load	▶ 250 W
pushbutton inputs	
number of inputs	▶ 2
input type	▶ logical, active when connected to N, configurable
supported switches	▶ all kinds
physical characteristics of the device	
dimensions	▶ 48x38x23 mm
housing	▶ made of polyurethane composition not containing halogens, self-extinguishing for thermal class B (130 °C)
protection level	▶ IP20
mounting method	▶ in the box, the wall, inside the housing of the dimming device
characteristics of the communication	
communication standard	▶ μWiFi, compatible with WiFi, 802.11g
transmission type	▶ bi-directional, encrypted
radio frequency	▶ 2.4 GHz
API	▶ open
mode	▶ direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (requires only access to the Internet)
compatible devices	▶ Apple iPhone, Apple iPad, iPad Mini, Android, Windows Phone, computers and mobile devices supporting HTML5



lighting

products associated with lightning



electrical

controller devices, powered by 230v



on/off

device which allows to turn on/off receivers/equipment



microWiFi

devices that use microWiFi wireless communication



smartphone

devices controlled using smartphones and tablets

TECHNICAL SPECIFICATIONS

electrical parameters					
supply voltage	▶	12 - 24V	energy consumption	▶	< 1W
maximum current	▶	12A (3A /channel)	maximum voltage	▶	24V
number of output	▶	4	maximum load	▶	288W
type of output	▶	open drain, PWM, low side control	color mode	▶	RGB / RGBW / MONO
physical characteristics of the device					
dimensions	▶	39 x 35 x 20mm	protection level	▶	IP20
housing	▶	made of polyurethane composition not containing halogens, self-extinguishing for thermal class B (130 °C)	mounting method	▶	in the flush-mounted box, on the lamp housing, directly connected to the LED strip, e.g. furniture
protection	▶	inverted polarization, ESD			
characteristics of the communication					
communication standard	▶	μ WiFi, compatible with WiFi, 802.11g	radio frequency	▶	2.4 GHz
transmission type	▶	bidirectional, encrypted	API	▶	open
mode	▶	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (requires only access to the Internet)	compatible devices	▶	Apple iPhone, Apple iPad, iPad Mini, Android, Windows Phone, computers and mobile devices supporting HTML5



lighting

products associated with lightning



security

security and access control devices



microWiFi

devices that use microWiFi wireless communication



smartphone

devices controlled using smartphones and tablets

TECHNICAL SPECIFICATIONS

electrical parameters					
supply voltage	▶	12 - 24V	energy consumption	▶	< 1W
maximum current	▶	5A	maximum voltage	▶	12 - 24V DC
number of output	▶	1	maximum load	▶	120 W
type of output	▶	open drain, PWM, low side control	color mode	▶	MONO
physical characteristics of the device					
dimensions	▶	35 x 24 x 15 mm	protection level	▶	IP20
housing	▶	made of polyurethane composition not containing halogens, self-extinguishing for thermal class B (130 °C)	mounting method	▶	in the flush-mounted box, on the lamp housing, directly connected to the LED strip, e.g. furniture
protection	▶	inverted polarization, ESD			
characteristics of the communication					
communication standard	▶	μ WiFi, compatible with WiFi, 802.11g	radio frequency	▶	2.4 GHz
transmission type	▶	bi-directional, encrypted	API	▶	open
mode	▶	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (requires only access to the Internet)	compatible devices	▶	Apple iPhone, Apple iPad, iPad Mini, Android, Windows Phone, computers and mobile devices supporting HTML5



lighting

products associated with lightning



microWiFi

devices that use microWiFi wireless communication



smartphone

devices controlled using smartphones and tablets

TECHNICAL SPECIFICATIONS

electrical parameters					
supply voltage	▶	230V AC	energy consumption	▶	< 1W
control output		pushbutton inputs			
number of output control	▶	1	number of inputs	▶	1
type of output control devices	▶	relay	input type	▶	logical, push button, short circuited to N, configurable
maximum load	▶	16A			
maximum power	▶	3500W			
physical characteristics of the device					
dimensions	▶	36 x 38 x 23 mm	protection level	▶	IP20
housing	▶	made of polyurethane composition not containing halogens, self-extinguishing for thermal class B (130 °C)	mounting method	▶	in the flush-mounted box (deepen or double), on the receiver - eg. lamps, radiator, etc.
characteristics of the communication					
communication standard	▶	µWiFi, compatible with WiFi, 802.11g	radio frequency	▶	2.4 GHz
transmission type	▶	bi-directional, encrypted	API	▶	open
mode	▶	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (requires only access to the Internet)	compatible devices	▶	Apple iPhone, Apple iPad, iPad Mini, Android, Windows Phone, computers and mobile devices supporting HTML5



lighting

products associated with lightning



electrical

controller devices, powered by 230V



on/off

device which allows to turn on/off receivers/equipment



microWiFi

devices that use microWiFi wireless communication



security

security and access control devices



smartphone

devices controlled using smartphones and tablets

TECHNICAL SPECIFICATIONS

electrical parameters	
supply voltage	▶ 230V AC
controlled devices	▶ lighting, single-phase motor, cylinders, transformers, etc.
energy consumption	▶ < 1W
control output	
number of output control	▶ 2
output type	▶ output phase
maximum load	▶ 4A
voltage output	▶ 230V AC
pushbutton inputs	
number of inputs	▶ 2
input type	▶ logical, push button, short circuited to N, configurable
controlled pushbuttons	▶ monostable, non-illuminated
voltage input	▶ 230V AC
physical characteristics of the device	
dimensions	▶ 39 x 42 x 24 mm
protection level	▶ IP20
housing	▶ made of polyurethane composition not containing halogens, self-extinguishing for thermal class B (130 °C)
mounting method	▶ in the flush-mounted box (deepen or double), inside the controlled device housing
characteristics of the communication	
communication standard	▶ μWiFi, compatible with WiFi, 802.11g
radio frequency	▶ 2.4 GHz
transmission type	▶ bi-directional, encrypted
API	▶ open
mode	▶ direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (requires only access to the Internet)
compatible devices	▶ Apple iPhone, Apple iPad, iPad Mini, Android, Windows Phone, computers and mobile devices supporting HTML5



lighting products associated with lightning



electrical controller devices, powered by 230V



on/off device which allows to turn on/off receivers/equipment



microWiFi devices that use microWiFi wireless communication



security security and access control devices



smartphone devices controlled using smartphones and tablets



lighting



on/off



battery



microWiFi



windows and doors



garage



security

WHEN THE PHONE IS DISCHARGED, A MINIATURE CONTROL REMOTE IS ALWAYS AT HAND

TECHNICAL SPECIFICATIONS

basic features					
number of buttons	▶	4	signaling	▶	LED RGB diode
number of connected devices	▶	up to 30	working time on a single charge	▶	2 years
haptic Feedback Display	▶	yes	charging	▶	standard microUSB charger5V (not included)
physical characteristics of the device					
dimensions	▶	72 x 39 x 13 mm	power supply	▶	lithium-polymer battery
housing	▶	high quality ABS plastic, PRO version have metal elements	operating temperature range	▶	from 0 to + 40°C
characteristics of the communication					
radio frequency	▶	2.4 GHz	transmission protocol	▶	µWiFi
transmission type	▶	with confirmation, encrypted	range	▶	up to 100 m in open spaces, up to 40 m in buildings (depending on the construction and terrain)
encryption	▶	set of 512-bit keys, with use of elliptic curves and key negotiation for each transmission			

available options:	basic white	basic black	pro white	pro black
finish:	plastic	plastic	metalic	metalic
color:	white	black	white	black



lighting

products associated with lightning



on/off

device which allows to turn on/off receivers/ equipment



battery

device which work with a battery



microWiFi

devices that use microWiFi wireless communication



windows and doors

products for use in cooperation with windows and doors



garage

products for use in garages and parkings



security

security and access control devices

CONNECT A NORMAL PUSHBUTTON WHEREVER YOU WANT, WITHOUT WIRES

TECHNICAL SPECIFICATIONS

basic features					
number of inputs	▶	4	battery life	▶	up to 5 years
type of inputs	▶	logic, impulse	number of connected devices	▶	up to 30
type of button	▶	monostable (push-button)			
physical characteristics of the device					
dimensions	▶	45 x 35 x 19 mm	power supply	▶	CR123 battery
housing	▶	made of polyurethane composition not containing halogens, self-extinguishing for thermal class B (130 °C)	mounting method	▶	in the flush-mounted box under the pushbutton
operating temperature range	▶	from 0 to + 40°C			
characteristics of the communication					
radio frequency	▶	2.4 GHz	transmission protocol	▶	μWiFi
transmission type	▶	with confirmation, encrypted	range	▶	up to 100 m in open spaces, up to 40 m in buildings (depending on the construction and terrain)
encryption	▶	set of 512-bit keys, with use of elliptic curves and key negotiation for each transmission			



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security

security and access control devices

TECHNICAL SPECIFICATIONS

electrical parameters					
supply voltage	▶	12 – 24 V DC	number of channels	▶	3
maximum current	▶	12 A	current /channel	▶	4 A
type of control	▶	PWM			
physical characteristics of the device					
dimensions	▶	39 x 33 x 20 mm	operating temperature range	▶	from 0 to + 40°C
housing	▶	made of polyurethane composition not containing halogens, self-extinguishing for Thermal class B (130 °C)	protection	▶	inverted polarization, ESD
characteristics of the communication					
communication technology	▶	Bluetooth Low Energy 4.0	independent channels	▶	3
transmission type	▶	bi-directional	power signal	▶	1mW
range	▶	up to 20 m in open space (inside buildings the range may be limited to 10m depending of the construction materials used in building and device positioning)	compatibility	▶	Apple iPhone 4s, iPad 3, iPad mini, Android 4.3 and newer



lighting

products associated with lightning



car

devices associated with the automotive industry



bluetooth

device using wireless short-range communication



smartphone

devices controlled using smartphones and tablets

TECHNICAL SPECIFICATIONS

electrical parameters					
supply voltage	▶	12 – 24 V DC	maximum power	▶	120 W
maximum current	▶	5 A	energy consumption	▶	< 0,1 W
physical characteristics of the device					
sensor	▶	proximity, capacitive sensor	degree of protection	▶	IP20
calibration	▶	automatic	mounting method	▶	under the surface of non-conductive, adhesive tape
dimensions	▶	50 x 40 x 19 mm	operating temperature range	▶	from -10 to + 40°C
housing	▶	made of polyurethane composition not containing halogens, Self-extinguishing for Thermal class B (130 °C)			



lighting

products associated with lightning



sensors

sensing elements



TECHNICAL SPECIFICATIONS

electrical parameters			
supply voltage	▶	7 – 24V DC	number of PWM channels ▶ 3 (RGB)
maximum current	▶	8 A	energy consumption ▶ < 1 W
output type	▶	open collector, 250mA	additional output ▶ output on the presence detector
physical characteristics of the device			
sensor	▶	ultrasonic, distance sensor	degree of protection ▶ IP20
dimensions	▶	50 x 40 x 25 mm with connector: 50 x 50 x 25 mm	operating temperature range ▶ from -10 to + 40°C
housing	▶	made of polyurethane composition not containing halogens, self-extinguishing for Thermal class B (130 °C)	calibration of notified distance ▶ yes



lighting

products associated with lightning



sensors

sensing elements



garage

products for use in garages and parkings



car

devices associated with the automotive industry



TECHNICAL SPECIFICATIONS

electrical parameters					
supply voltage	▶	12 - 24V DC	maximum power	▶	96 W
maximum current	▶	4 A	energy consumption	▶	< 0,1 W
physical characteristics of the device					
sensor	▶	optical, reflective	mode	▶	NO, NC, bistable
dimensions	▶	36 x 10 x 13 mm	degree of protection	▶	IP00
mounting method	▶	inside the profile for LED stripe/ heat shrink tubing	methods of connecting wires	▶	soldering, screw terminal *
operating temperature range	▶	from -10 to + 40°C			

* include in the order, connectors + 4 zł / 1 euro



lighting

products associated with lighting



on/off

device which allows to turn on/off receivers/ equipment

TECHNICAL SPECIFICATIONS

electrical parameters					
supply voltage	▶	12 – 24V DC	maximum power	▶	96 W
maximum current	▶	4 A	energy consumption	▶	< 0,1 W
physical characteristics of the device					
sensor	▶	optical, photodetector	calibration	▶	automatic
dimensions	▶	36 x 10 x 3 mm	degree of protection	▶	IP00
mounting method	▶	in LED profile/ heat-shrink tubing	methods of connecting wires	▶	soldering, screw terminal *
operating temperature range	▶	from -10 to + 40°C			

* include in the order, connectors + 4 zł / 1 euro



lighting

products associated
with lightning



sensors

sensing elements

TECHNICAL SPECIFICATIONS

electrical parameters					
supply voltage	▶	12 – 24V DC	number of channels	▶	4
maximum current	▶	20 A	maximum power	▶	480 W
maximum current / channel	▶	5 A	energy consumption	▶	< 0,1 W
physical characteristics of the device					
dimensions	▶	48 x 40 x 19 mm	degree of protection	▶	IP20
housing	▶	non-flammable resin which dissipates heat	connection method	▶	screw terminal block connector
mounting method	▶	in electrical back box, in the lightning fixture housing	operating temperature range	▶	from -10 to + 40°C
input signal	▶	PMW common VCC or GND	output signal	▶	PMW common VCC
galvanic separation	▶	yes - optical	power IC	▶	internal rectifiers n-type metal oxide semiconductor field effect transistor
correction signal	▶	yes - digital			





Blebox.eu is a brand of high-quality products related to home automation. Created in 2013 by authors of the "Polish Invention of the year 2014" and 30 other technological and product innovations. Within 3 years it has evolved from a local start-up to an international company which provides innovative products to more than 20 countries of the world, including China.

Our products are completely designed (we have our own research laboratories) and produced in the European Union, in particular in Poland and Germany. We take the issues of quality and reliability very seriously. That's why we give on our products a 5 year warranty, creating a brand based on trust.

In 2016 Blebox.eu was awarded with the statuettes: "Business Eagle 2016" and "Innovators 2016" granted as the most innovative company in Poland by the editors of Wprost, the Ministry of Science and Higher Education and the Ministry of Development.

We invite installers, shops and wholesalers to cooperate with us. For a constant cooperation we offer attractive discounts and the possibility to customize own requirements and creating new solutions.

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