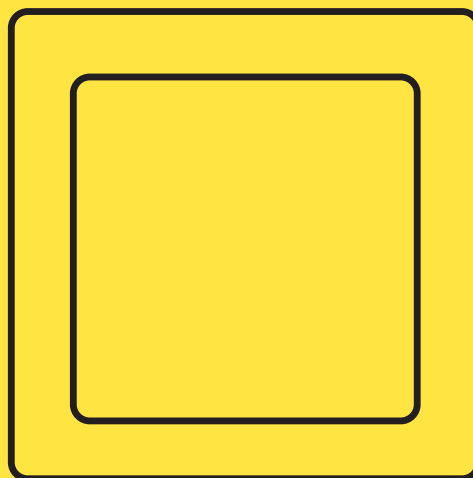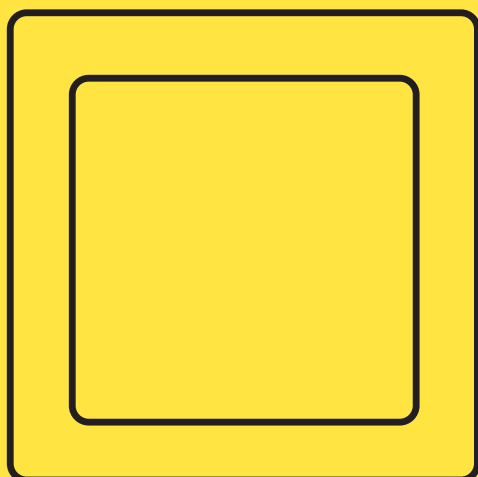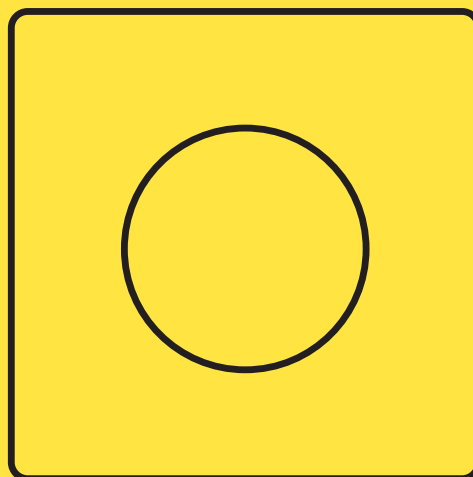# The dimmer brochure

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All dimmable products 2019

VADSBO

We love dimming!

Passion for light control and the overall project are all very well, but since the start of our business over 20 years ago, Vadsbo's dimming technique has been our matter of the heart. Dimmer love is synonymous with Vadsbo.

With the latest technology, Vadsbo delivers high-quality dimmers to electricians, wholesalers and private individuals in Sweden and worldwide. Vadsbo's wide range of rotary dimmers, push button dimmers and actuators make us the obvious choice for both small and large projects. The products we develop are aimed at those who want to install their lighting in

a simple, user-friendly and professional manner. Vadsbo's new dimmer brochure gives you an overview of all our favourite products so that you can choose the right dimmer for your purpose. Lighting control is supposed to be simple.

The interest in smart lighting has completely exploded in recent years, and everyone wants to take advantage of the benefits. Everything indicates that the trend will spread more and more in public buildings, offices, hospitals, shops as well as in private homes.

The future is colour-dimmed!

Smart connections with Casambi

We have early on listened to the market's demand about smart connected solutions, where the basic need was to be able to dim the lighting with the mobile phone. There were several different approaches, and after careful consideration we chose a user-friendly interface and a partner that we could grow with.

Also, it was important to us to have a system that meets high demands on reach, redundancy and security, and that is scalable. We chose Casambi as they meet our and the

installer's requirements.

The Mesh technology contained in the Casambi platform means that each unit functions as a transmitter and receiver with a harmonized redundancy and a range of 30m. Casambi provides an open way of communicating between units, which made it easy for us as a partner to integrate, just as today more than 120 international companies have done. Casambi is a company with roots in Nokia, which created the technical confidence needed to develop high-tech solutions while focussing on user-friendliness.

Download on the App Store

GET IT ON Google Play

Dimming

Dimming means regulating the lighting level and reducing energy consumption. The reduction in light output from your light source is achieved by regulating the voltage. Perceived light output in lumen is important to take into consideration as the human eye overcompensates diminished light. For example, your eyes perceive a light level of 1 % as 10 %.

There are various different dimmers available on the market. In order to choose the right dimmer for your particular purpose, it is important to look at which load (resistive, inductive or capacitive) the dimmer is adjusted for. It is also important to look at other technical functionalities such as power, mounting, environment and type of control.

Thorough testing of the market's light sources and luminaires is very important to us at Vadsbo. It allows us to understand the demands in lighting control and provides us with the conditions for developing the right dimmer that fits your particular purpose.

Your guide to the right dimmer solution

Light source   Dimmer   Driver   Transformer

E14   E27   GU10
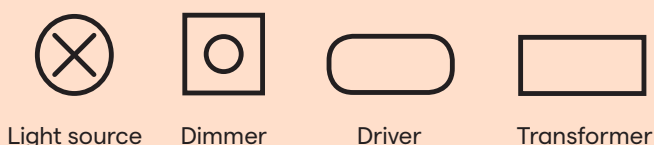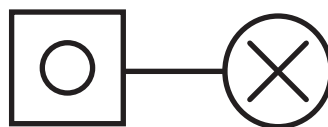
Solution:

Find out if the lighting is dimmable according to the manufacturer's specifications.

GU 5, 3   G4

Solution:

350/700mA   12V/24Vdc
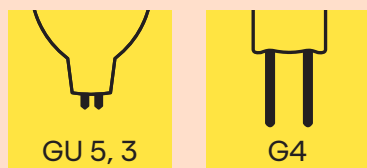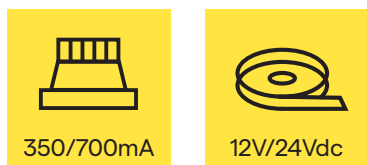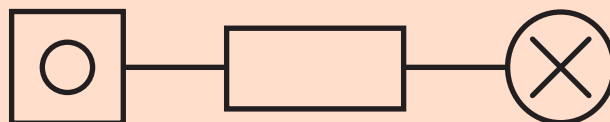
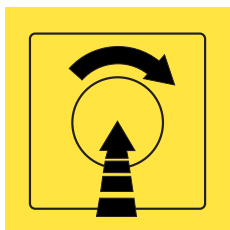**Solution:**

Does your light source already have a driver? Then a dimmer will do the job.

Rotary dimmers

VD220WCM

Our new LED dimmer with Bluetooth has the slimmest and most compact casing design of all our rotary dimmers. It can dim a group of push button dimmers, actuators, set scenes or other products that support Casambi. You can also choose to colour-dim for Tunable White applications. As well as wireless multiway dimming with a knob. Equipped with push button input for connection of non-locking switches. Comes with frames adapted to Exxact and Elko frame systems.

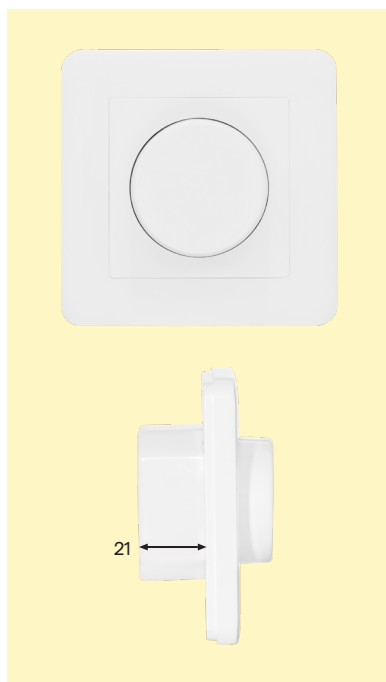|	
E number	13 604 87
Item number	V-40V0220-501
Power	0-200VA
Voltage	220-240V
Standby power	0.2W
Max current	0.87A
Frequency	50/60Hz
Dimensions	87×87×43mm
Weight	110g
Light control	Can be controlled with one or more toggle switches, knob and/or via Bluetooth with Casambi.
Areas of use	230V LED lights, electronic transformers, LED operating gear, incandescent lights, and 230V halogen lamps.

VD300

Durable LED dimmer with large terminals and a stable knob in brass. Slim and compact design that facilitates installation in the device box. With Boost feature for loads that are difficult to start and to avoid "popcorn effect". Adjustable lowest and highest dimmer level and anti-flicker knob. Protection against short circuits and overheating. Comes with frames adapted to Exxact and Elko frame systems.

E number	13 603 91
Item number	V-40V0300-001
Power	0-300VA
Voltage	230V
Standby power	<0.3W
Max current	1.3A
Frequency	50/60Hz
Dimensions	87×87×43mm
Weight	90g
Light control	Controlled with button push and knob.
Areas of use	LED lights, electronic transformers, bulbs, 230V halogen lamps, dimmable low energy lamps.

VD200

LED dimmer adjusted to low loads for mounting in a device box. Adjustable minimum dimmer level. Comes with frames adapted to Elko and Exxact frame systems. With the possibility of multiway switching, you can dim and turn on the light in one place and switch it off in another.
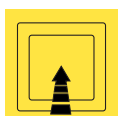
|	
E number	13 774 82
Item number	V-4020020TRL
Power	1-200VA
Voltage	220-240V
Standby power	<0.3W
Max current	0,9A
Frequency	50/60Hz
Dimensions	87×87×43mm
Weight	90g
Light control	Controlled with button push and knob.
Areas of use	230V halogen, bulb and LED from 1-200VA, dimmable LED operating devices and electronic transformers.

Tips!

A rotary dimmer is user-friendly and fits perfectly in your home or in public places.

KED10VDA

Control device for retracted mounting in device box. For regulating dimmable HF ballasts according to standard and LED operating devices through 1-10V. Protection against overload, transients, overheating and short circuit.

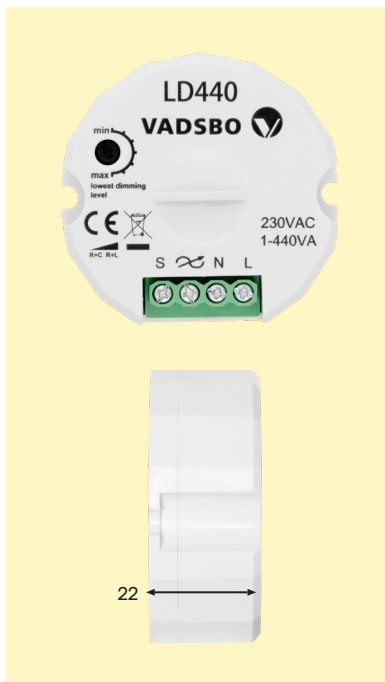|	
E number	13 774 61
Item number	V-40010A20DC
Max control current	50mA
Voltage	1-10Vdc
Standby power	<0,5W
Max current	10A [...]
Frequency	50/60Hz
Dimensions	84×84×56mm
Weight	80g
Light control	Controlled with button push and knob.
Areas of use	Dimmable HF ballasts with 1-10Vdc input. LED operating device, constant current with 1-10Vdc input. Electronic transformers with 1-10 Vdc input.
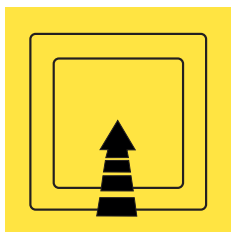
Push button dimmers

LD220

Vadsbo's popular universal push button dimmer LD220 in box format. Specially adjusted for dimming of low energy, LED lights and electronic transformers up to 200VA. Can also handle dimming of halogen and bulbs up to 200VA. Adjustable minimum dimmer level.

E number	13 774 40
Item number	V-4022010IB
Power	1-200VA
Voltage	220-240V
Standby power	<0,5W
Max current	0.87A
Frequency	50/60Hz
Dimensions	Ø56×22mm
Weight	35g
Light control	One or more toggle switches.
Areas of use	Dimmable low energy lamps, 230V LED lights, electronic transformers, LED operating gear, incandescent lights, and 230V halogen lamps.

LD440

The universal push button dimmer LD440 in box format. Specially adjusted for dimming of low energy, LED lights and electronic transformers up to 440VA. Also works great when dimming halogen and bulbs. Adjustable minimum dimmer level.

E number	13 774 39
Item number	V-4044020IB
Power	1-440VA
Voltage	220-240V
Standby power	<0,5W
Max current	1,91A
Frequency	50/60Hz
Dimensions	Ø56×22mm
Weight	35g
Light control	One or more toggle switches.
Areas of use	LED lights, electronic transformers, bulbs, 230V halogen lamps, dimmable low energy lamps.

Tips!

Controls the LD220WCM via Casambi, with the battery-free Bluetooth switch Mpress or the luxurious versatile Xpress remote control.

LD220WC

The LD220WC is a universal, back edge-installed phase dimmer with Bluetooth. The thin casing design gives you a lot of space in the appliance box. The dimmer includes an astro timer, as well as the functionality of connecting a non-locking switch and gaining synchronized control over all your LD220WCM dimmers. You can also deactivate the dimmer function to turn on/off non-dimmable loads.

E number	13 602 42
Item number	V-4022010WCM
Power	0-200VA
Voltage	220-240V
Standby power	0.2W
Max current	0.87A
Frequency	50/60Hz
Dimensions	Ø50×19mm
Weight	31g
Light control	One or more toggle switches and/or via app.
Areas of use	Dimmable low energy lamps, 230V LED lights, electronic transformers, LED operating gear, incandescent lights, and 230V halogen lamps.

LD200KRON

The LD200DOUBLE is actually two dimmers in one casing that is adapted for mounting in A or B box. The double dimmer is equipped with two individual outputs and inputs for connection with non-locking switches.

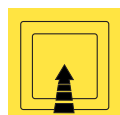| E number	13 603 40
Item number	V-402002IBK
Power	0-100VA /Output
Voltage	220-240V
Standby power	<0,5W
Max current	0.44A /Output
Frequency	50Hz
Dimensions	Ø57×21mm
Weight	54g
Light control	One or more parallel push buttons per channel.
Areas of use	LED lights, electronic transformers, bulbs, 230V halogen lamps, dimmable low energy lamps.

LDN200

The LDN200 does not require a zero on connection and is therefore optimal for installations where there is no zero. The dimmer is controlled by one of more non-locking switches. The LDN200 has a memory function in case of loss of voltage that remembers the last installed light level.

E number	13 606 22
Item number	V-40P0200-001
Power	0-200VA
Voltage	220-240V
Standby power	<0.2W
Max current	0,91A
Frequency	50Hz
Dimensions	Ø48×18mm
Weight	31g
Light control	One or more toggle switches.
Areas of use	230V LED-lamps, electronic transformers, LED operating device, bulbs and 230V halogen lamps.
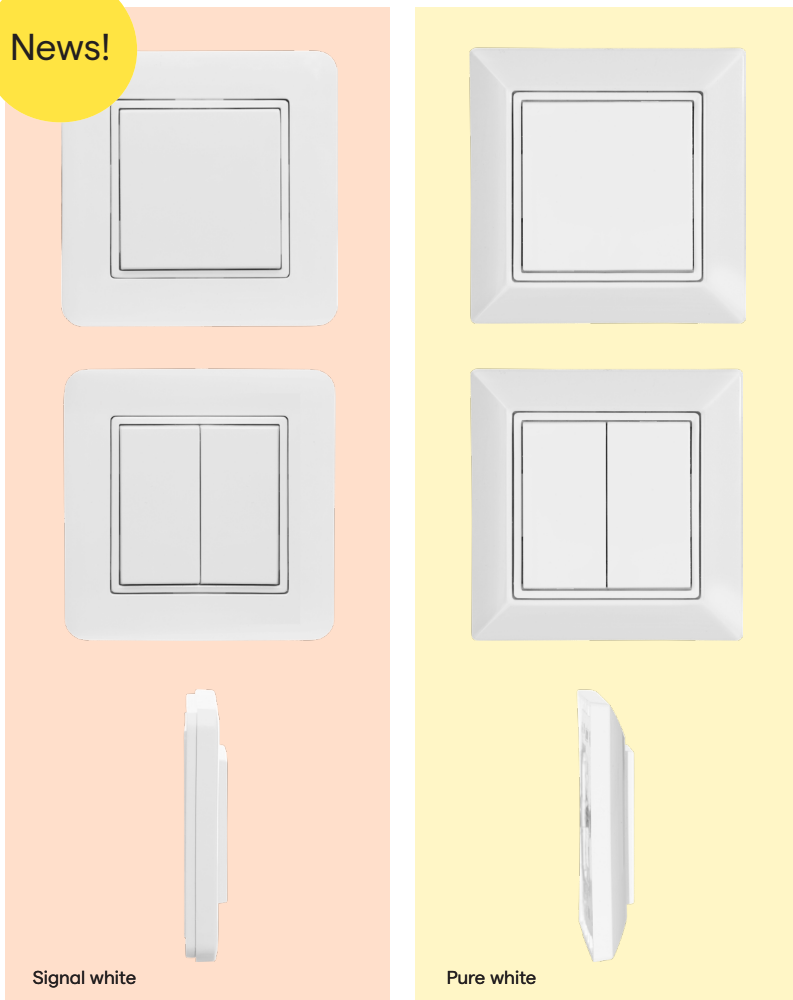
Mpress - Signal White
Mpress - Pure White

Mpress is a battery-free and power-extracting Bluetooth switch with one or more push buttons, which can be paired with a Casambi-network. Mpress can manage 100,000 of pressure and has an indoors reach of 10km. With Mpress, no power source nor cables are needed to send control signals to your chosen light fittings.

Mount the switch in the device box, with screws in the lock plate or using the attached double-sided adhesive sheet, perfect for e. g. mounting on tiles.

Comes with two push button versions, single and double. Choose between signal white adjusted to the Exxact frame system, or pure white adjusted to the Elko frame system.

Signal white

Pure white

E number	**Signal white:** 17 108 53 **Pure white:** 17 107 75
Item number	**Signal white:** V-42B2206-002 **Pure white:** V-42B2206-001
Power supply	Generates energy through an electrodynamic power generator by pressing the switch.
Antenna	Integrated PCB-antenna
Bandwidth	2,4GHz
Range	10m
Channels	2 with 4 active modes (up / down / pressed / released).
Dimensions	84×84×14mm
Weight (complete product)	57g
Control regulation	Controls individual or groupings luminaires / light sources or all luminaires / light sources in a network. Control scenes and animations or dimmers.

### Tips!

Dim with Mpress and combine with our wireless motion sensor CBU-CEFL in the bath room for automatic on / off function.

VADSBO powered by CASAMBI — a complete ecosystem for all lightning
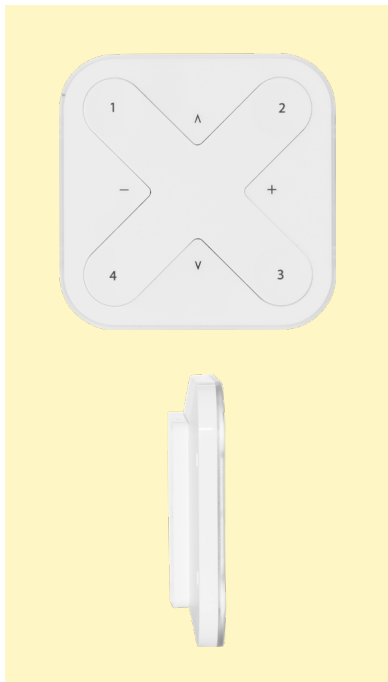
Xpress black
Xpress white

Xpress is an aesthetically pleasing remote control with many functions. With these four buttons, you can activate lighting scenes, animations, and control separate lighting groups. The remote control also has buttons for dimming up and down and adjusting the light temperature. The enclosed magnetic holder can be screwed to the wall and Xpress can be attached as a switch or be kept on the table as a control.
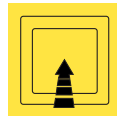
| E number	Black: 17 106 86 White: 17 106 87
Item number	Black: V-19BT08CAS-BL White: V-19BT08CAS-WH
Dimensions	90×90×12mm
Weight	69g
Range	Up to 30 metres in an open space.
Battery (included)	CR2430 lithium button cell battery.
Battery life	2-5 years, depending on usage.
Control option	Scenario, animations, dimming and adjusting the light temperature.
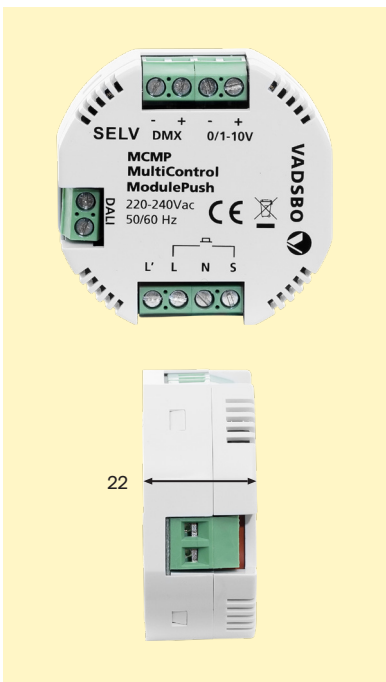
MCMP

MCMP is a 1-channel multifunction module for controlling 0/1-10Vdc devices in bus systems. MCMP is mounted in a device box and provides all units with 0/1-10Vdc control (active control input) with pressure dimmer functions and advanced bus functions.

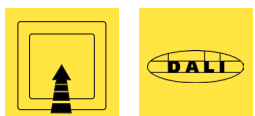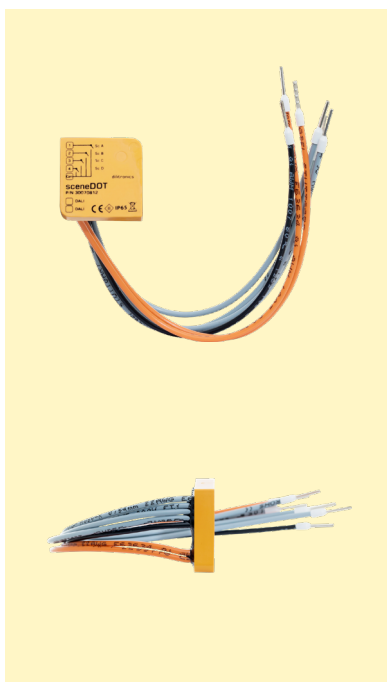| E number	13 774 36
Item number	V-40010DCMCMP
Max control current	50mA
Voltage	220-240V
Standby power	<0,5W
Max current	10A [...]
Frequency	50/60 Hz
Dimensions	Ø57×22mm
Weight	77g
Light control	One or more toggle switches.
Areas of use	Integration with DALI or DMX.
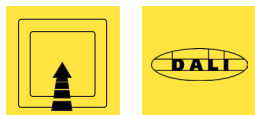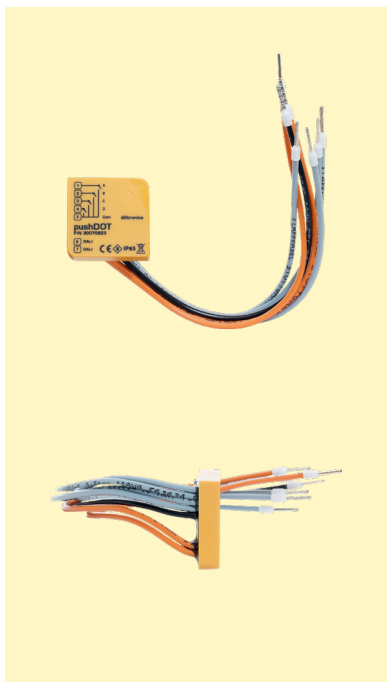
Pushdot

The pushDOT control module enables traditional push button dimming and is an interface between a standard non-locking push button and a DALI bus. 4 buttons can be connected, of which each button can have the functions of dimming up / down, on / off. Can be set to control up to 4 individual units or groups.

E number	17 102 01
Item number	V-40PUDOT
Power supply	Via DALI
Current	6mA
Interface	4 x push buttons 1 x DALI bus
Addressing options	4 DALI group addresses (0-15), 4 DALI single addresses (0-63) or broadcast and 3 DALI group addresses (0-15).
Multi control capability	Yes
Ambient temperature	-20...60°C
Cladding class	IP65
Length of connecting cable	200mm piece
Diameter of connecting cable	0,5mm^2
Dimensions	31×31×10mm
Weight	25g

Scenedot

The pushDOT control module enables traditional push button dimming and is an interface between a standard non-locking push button and a DALI bus. 4 buttons can be connected, of which each button can have the functions of dimming up / down, on / off. Can be set to control up to 4 individual units or groups.
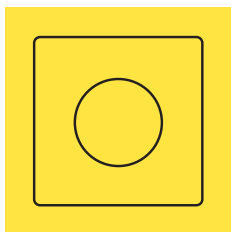
|	
E number	17 381 24
Item number	V-40SCDOT
Power supply	Via DALI
Current	6mA
Interface	4 x push buttons 1 x DALI bus
Addressing options	DALI (0-7) or broadcast (BC)
Multi control capability	Yes
Ambient temperature	-20...60°C
Cladding class	IP65
Length of connecting cable	200mm piece
Diameter of connecting cable	0,5mm^2
Dimensions	31×31×10mm
Weight	25g

Other dimmers

News!

21

23
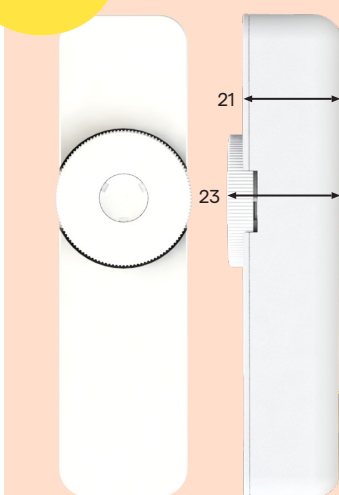
CD50 White
CD50 Black

The new CD50 is mounted directly on the cable to the load and dims via knob, with clicks for on and off. Perfect, for example, for floor and window lamps that haven't previously been dimmable. It is equipped with protection against overload, overheating, and short circuits.

|	
E number	**White:** 13 606 24 **Black:** 13 606 25
Item number	**White:** V-40V0050-031 **Black:** V-40V0050-032
Power	0-50W
Voltage	220-240V
Standby power	<0,5W
Max current	0,22A
Frequency	50Hz
Dimensions	102×28×23mm
Weight	45g
Light control	Knob
Areas of use	LED, 230V halogen, dimmable LED actuators, electronic transformers.
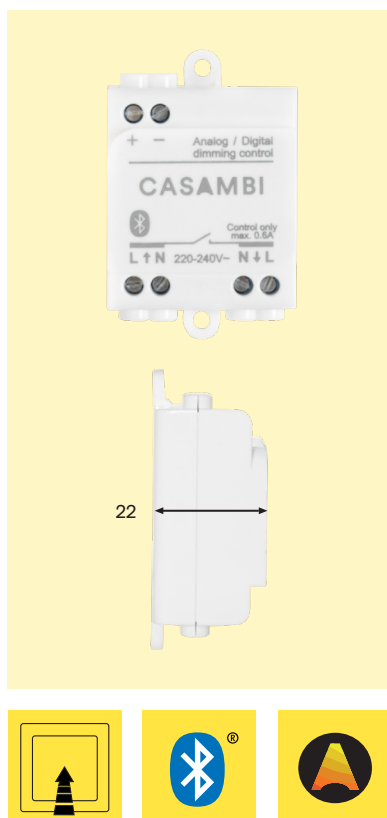
CM10WCM

The CM10WCM is a control device which converts the Bluetooth signal to between 0/1 and 10 V. In DALI mode, there is support for Broadcast, colour control and light temperature. CM10WCM is used in new buildings as well as existing facilities or, for example, when a more powerful dimmer needs to be implemented in the building. Possibility to switch on a non-locking switch on the output and get a dimmer actuator to control other Bluetooth products.

E number	17 106 88
Item number	V-42B0016-001
Voltage	220-240VAC
Standby power	<0,5W
Max current	0,6A [...]
Frequency	50/60Hz
Dimensions	57×36×22mm
Weight	23g
Light control	Via app
Areas of use	For smart dimming of 1-10V or DALI-controllable devices.
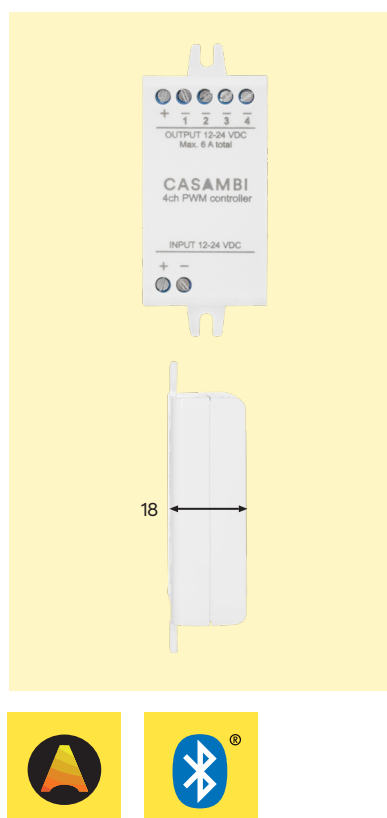
PWM4WCM

PWM4WCM is a Bluetooth controlled 4-channel constant voltage PWM dimmer for LED strip lights and LED modules with constant voltage for 4-24Vdc. PWM4WCM is connected after an actuator/power supply. It can control up to four channels, which makes it ideal for RGBW and Tunable White applications. The maximum combined output current is 6A which can be freely distributed between up to 4 channels. PWM4WCM has protection against overheating, transients and short circuits.

E number	13 604 07
Item number	V-42B0016-001
Power	144W/24Vdc and 72W/12Vdc
Voltage	12-24VDC
Standby power	<0.3W
Max current	6A
Frequency	50Hz
Dimensions	73×30×18mm
Weight	23g
Light control	Via app
Areas of use	Colour dimming (RGBW) and light temperature (Tunable White).

VADSBO powered by CASAMBI — a complete ecosystem for all lightning
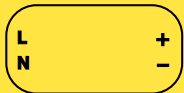
Drivers

SSW60
SSW60WCM
SSW60DALI

With its 32 preset settings, the Swedish-developed SoftSwitcher SSW60 can control/operate all the LED fittings and LED strips available on the market. SSW60 is a digital actuator that has enabled a compact design with its 60W. Our patented hybrid technology enables flicker-free CV-dimming and the driver has dimming curves specially adapted to downlights and LED strings.

With flexible hose all the way into the transparent strain relief, the installer now can easily inspect his installation. Due to a compact design, you can easily install the actuator in a 63 mm hole, or 85 mm with only a 56 mm mounting depth.

SSW60 has two channels, which can be freely mixed-loaded with, for instance, an uneven load. That means you can operate constant voltage on one channel and constant current on the other.
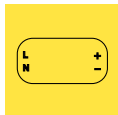
SSW60WCM controls dual channels individually via Casambi. With the non-locking switch, you can dim, or switch on / off. Decide via the app what the switches should do, for example you can have one switch switch between scenarios while the other dims the device.

SSW60DALI is equipped with dual inputs and outputs for smooth forwarding. Both the channels are addressable and when connected to a switch can still enable individual control of the channels.

E number	**SSW60** – E 79 814 39 **SSW60WCM** – E 79 814 41 **SSW60DALI** – E 79 814 40
Item number	**SSW60** – V-360 60 60 26 **SSW60WCM** – V-360 60 60 26 WCM **SSW60DALI** – V-360 60 60 26
Power	Max 60W total / Min 2W
Voltage	220V-240V
Standby power	<0,5W
Max load per output	**350mA** – 2-60Vdc max 21W (1-18 pcs LED Vf ≤ 3,3V) **500mA** – 2-60Vdc max 30W (1-18 pcs LED Vf ≤ 3,3V) **700mA** – 2-60Vdc max 42W (1-18 pcs LED Vf ≤ 3,3V) **900mA** – 2-60Vdc max 54W (1-18 pcs LED Vf ≤ 3,3V) **1050mA** – 2-60Vdc max 60W (1-17 pcs LED Vf ≤ 3,3V) **12Vdc** – 0-1600mA max 20W **24Vdc** – 0-1600mA max 40W
Frequency	50Hz
Dimensions	173×53×29mm
Weight	180g
Control option	2xPush, DALI, Bluetooth, 0-10V
Areas of use	For detached mounting.

Tips!

Replacing traditional light bulbs with LEDs is cost-effective especially in large premises, such as industrial plants.

LCC30

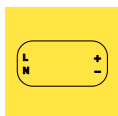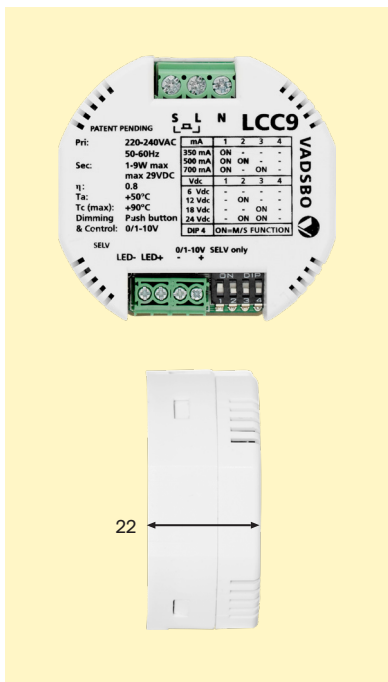Combined operating device and dimmer for operation of constant current and constant voltage LEDs from 1-30W. Several units can be controlled with a push button without the need for an extra synchronization cable. The driver format is user-friendly and is preferably mounted in suspended ceilings.

E number	79 842 86
Item number	V-36030609
Power	1-30W
Voltage	220-240VAC
Standby power	<0,5W
Load	350mA 2-57Vdc max 20W (1-16 pcs LED Vt<=3,6) 500mA 2-54Vdc max 27W (1-15 pcs LED Vt<=3,6) 700mA 2-43Vdc max 30W (1-12 pcs LED Vt<=3,6) 900mA 2-27Vdc max 24W (1-7 pcs LED Vt<=3,6) 12Vdc 0-900mA max 10,8W 24Vdc 0-900mA max 21W
Dimensions	150×52×28mm
Weight	250g
Light control	Dimmable with toggle switch or 1-10Vdc control.
Areas of use	Constant current and constant voltage LED.

LCC9

The LED controller LCC9 is a combined operating device and dimmer for operation of constant current and constant voltage LEDs up to 9W. Several units can be controlled with a push button without extra synchronization cable.

E number	79 841 83
Item number	V-36009277D
Power	9W
Voltage	220-240VDC
Standby power	<0,5W
Constant current	350mA, 500mA, 750mA
Constant voltage	6Vdc, 12Vdc, 18Vdc, 24Vdc
Load	9W (1 LCC9 unit, max 4W at 6Vdc) 18W (2 LCC9 units) 27W (3 LCC9 units)
Dimensions	Ø57×22mm
Weight	53g
Light control	Dimmable with toggle switch or 1-10Vdc control.
Areas of use	Spotlights, constant current and constant voltage LEDs.

We love dimming!