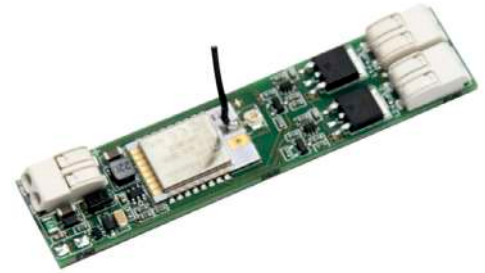


Ref: 41.097

Features:

- Command: APP CASAMBI
- DC Input: 12-24 Vdc
- N°2 Output channels
- Control: white and tunable white
- Constant voltage variant for common anode applications
- Voltage outputs for R loads
- Adjusting the brightness of white light, monochromatic color or tunable white
- Adjusting the brightness up to completed off
- Typical efficiency > 95%
- Memory function



Electrical characteristics	Supply voltage min. / max.	10.8V / 26.4V
	Input current	max 4A
	Channels	2
	Output voltage	= Vin
	Output current	4A (40°C)
	Absorbed nominal power	48W (12V) / 96W (24V)
	Power loss in stand by mode	<500mW
	Type of load	R
	D-PWM dimming frequency	600Hz
	Operating frequencies	2.400 ... 2.483 GHz
	Maximum output power	4dBm
	D-PWM resolution	833 step
	D-PWM range	0 – 100%
	Degree of protection	IP20
Environment	Storage temperature min. / max.	-40°C / +60°C
	Ambient temperature min. / max.	-10°C / +40°C
Wiring	Wiring	0.2 ... 0,75mm ² – 24 ... 18 AWG solid sizes 0.2 ... 0,75mm ² – 24 ... 18 AWG standard sizes
	Wire preparation length	7 ÷ 10mm
Other	Dimension	80x18x6mm
	Fixing	adhesive
	Weight	9g
	Guarantee	5 years



Assembly and safety information

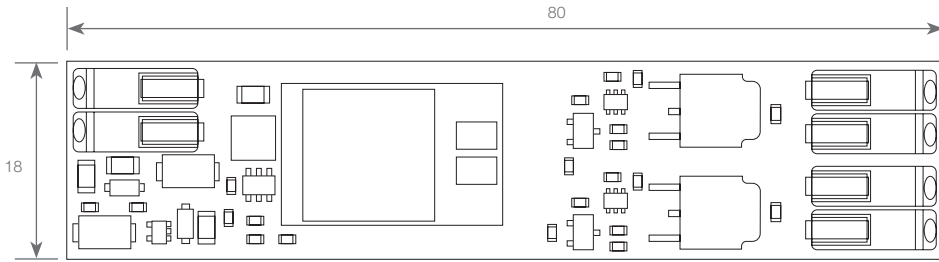
Applied standards:

- EN 61347-1
- EN 55015
- EN 61547

Protections

- Over voltage protection (OVP)
- Reverse polarity protection (RVP)
- Input fuse protection (IFP)

Measurements:



Installation:

To set the product, follow the instructions as below:

- Fix the Casambi dimmer to the aluminium profile with the provided thermal biadhesive
- Connect the led in the output of the dimmer
- Connect the power supply in the input of the dimmer

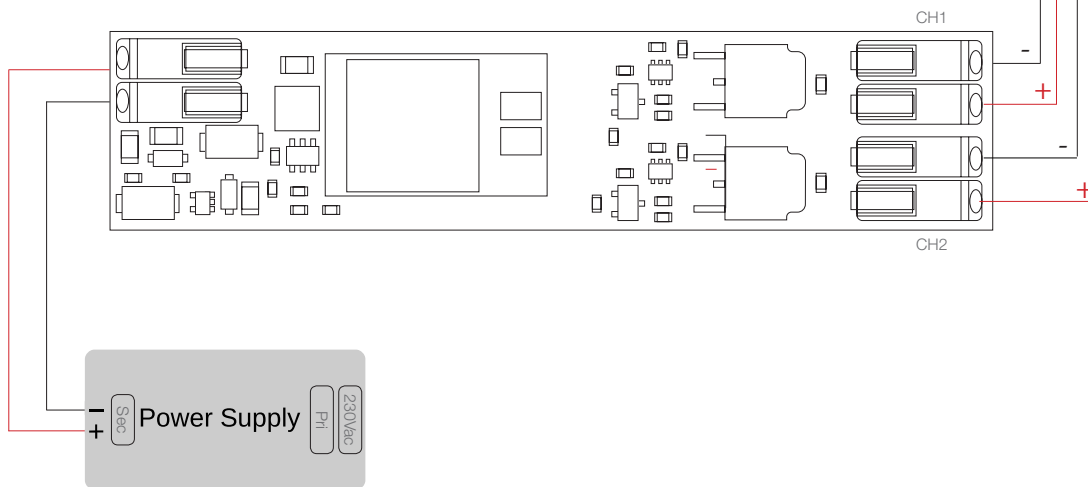
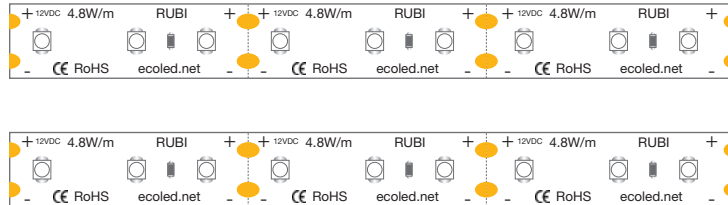
The Casambi dimmer as with other Casambi products, should not be placed in a metal enclosure or next to large metal structures. Metal will effectively block all radio signals which are crucial to the operation of the product.

Wiring diagram: 1-2 separate channels

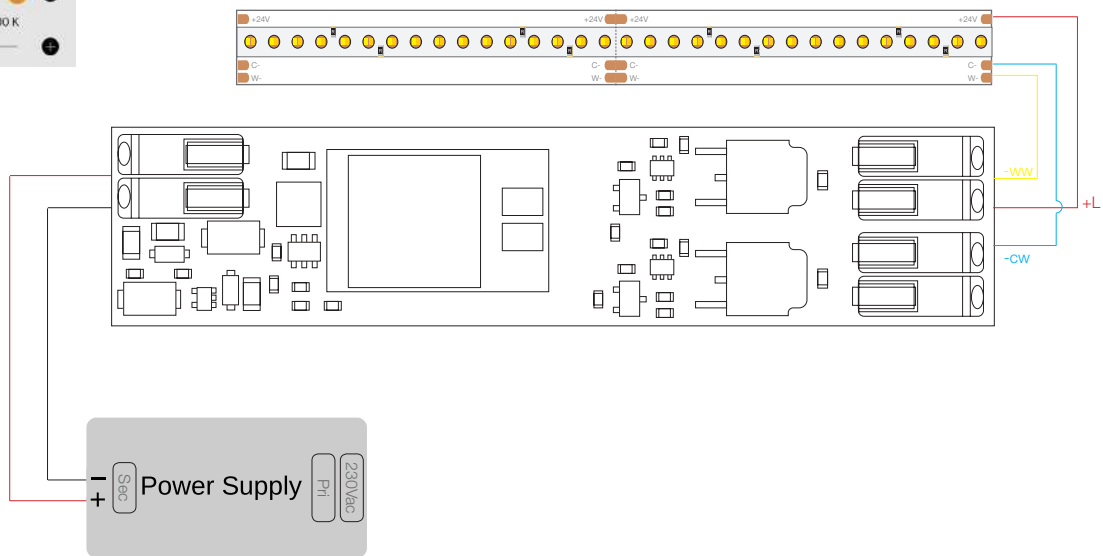
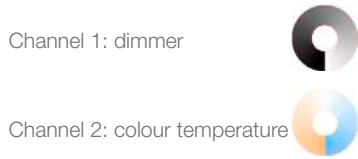
Channel 1: dimmer



Channel 2: dimmer



Wiring diagram: 1-2 separate channels



Technical note:

• Installation:

- Installation and maintenance must be performed only by qualified personnel in compliance with current regulations.
- The product must be dissipated correctly.
- Keep the circuits separate at 230V (LV) and the circuits not SELV from circuits to low voltage (SELV) and from any connection with this product. It is absolutely forbidden to connect, for any reason whatsoever, directly or indirectly, the 230V mains voltage to the bus or to other parts of the circuit.

• Power supply:

- For the power supply use only a SELV power supplies with limited current, short circuit protection and the power must be dimensioned correctly. In case of using power supply with ground terminals, all points of the protective earth (PE = Protection Earth) must be connected to a valid and certified protection earth.
- The connection cables between the power source "low voltage" and the product must be dimensioned correctly and they should be isolated from all wiring or parts with voltage not SELV. Use double insulated cables.
- Dimension the power supply for the load connected to the device. If the power supply is oversized compared with the maximum absorbed current, insert a protection against over-current between the power supply and the device.

• Cable outputs:

- The length of the connection cables between the product and the led module must be less than 10m; the cables must be dimensioned correctly and they should be isolated from all wiring or parts with voltage not SELV. It is suggested to use double insulated shielded and twisted cables.