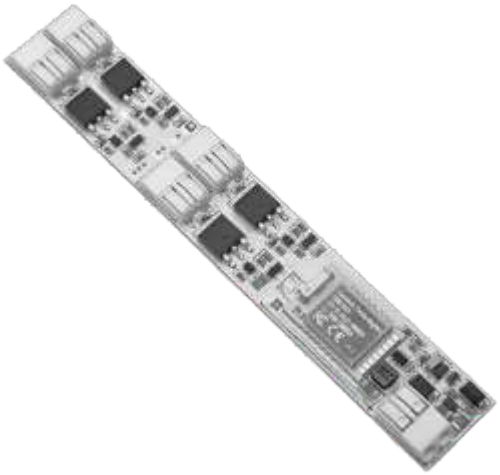
CE

FEATURES



- DIMMER+CASAMBI
- DC input: 12-24 Vdc
- Command: APP Casambi
- N°4 Output channels
- Control: Dimmer White, Tunable White, RGB and RGBW
- Constant Voltage output for Common Anode applicaəons
- Voltage Output for R loads
- Memory Funcəon
- Adjusəng the brightness of white light, monochromaəc colour and CCT for Tunable White light
- Creaəng muləple colour scenes and selecəng colour games
- Adjusəng the brightness up to completed o
- SoƉ Start and SoƉ Stop
- Typical e ciency > 95% - 100% Funcəonal Test

CONSTANT VOLTAGE VARIANTS

CODE	SUPPLY VOLTAGE	CHANNEL	OUTPUT	COMMAND	
D118x18-1224-4CV-CBU	12-24 Vdc	4	4 x 4A (max 6A Tot)	APP CASAMBI	

D118x18-1224-4CV-CBU is delivered ex factory with RGB+W Fixture default se ǩ ng.

PROTECTIONS

OVP	Over Voltage Protecəon [1]	
RVP	Reverse Polarity Protecəon [1]	
IFP	Input Fuse Protecəon [1]	

TYPE OF CASAMBI FIXTURE

FIXTURE	SUPPLY VOLTAGE	OUTPUT	CHANNEL	COMMAND	
CBU-D118X18 WWWW	12-24V dc	4 x CV	4	APP CASAMBI	DIMMER
CBU-D118X18 TW	12-24V dc	2 x CV	2	APP CASAMBI	TUNABLE WHITE
CBU-D118X18 RGB	12-24V dc	3 x CV	3	APP CASAMBI	RGB
CBU-D118X18 RGB+W	12-24V dc	4 x CV	3+1	APP CASAMBI	W RGB

[1] Only for control logic protecəon

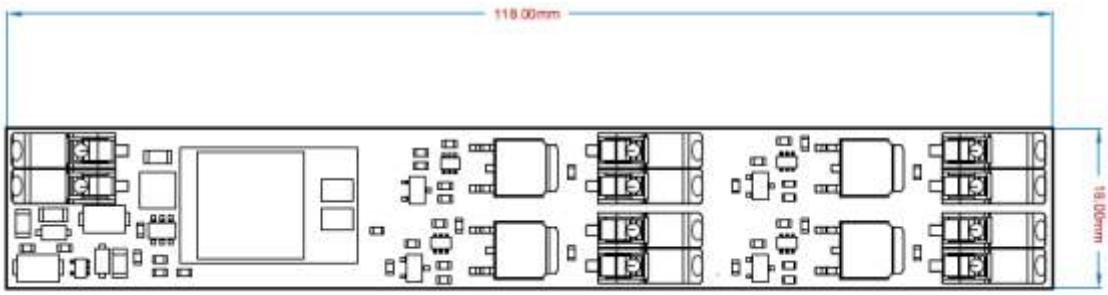
REFERENCE STANDARD

EN 61347-1	Lamp controlgear – Part1: General and safety requirements
EN 55015	Limits and methods of measurement of radio disturbance characterisəcs of electrical lighəng and similar equipment
EN 61547	Equipment for general lighəng purposes – EMC immunity requirements

TECHNICAL SPECIFICATIONS

		Constant Voltage	
Supply voltage		Min: 10.8Vdc ... max: 26.4Vdc	
Input current		Max 6A	
Channel		4	
Output voltage		= Vin	
Output current		A/ch	A tot.
		4 A [2]	6 A [2]
Nominal power [2]	@12V	48 W	72 W
	@24V	96 W	144 W
Power loss in standby mode		<500mW	
Type of load		R	
D-PWM dimming frequency		600 Hz	
D-PWM resoluəon		833 step	
Operaəng frequencies		2,400 ... 2,483 GHz	
Maximum output power		4 dBm	
D-PWM range		0 – 100%	
Storage temperature		min: -25°C ... max: +60°C	
Ambient temperature		min: -10°C ... max: +40°C	
Maximum Temperature at Tc		50°C[3]	
Wiring	Solid sizes	0,2 ... 0,75 mm^2 – 24 ... 18 AWG	
	Stranded sizes	0,2 ... 0,75 mm^2 – 24 ... 18 AWG	
Wire preparaəon length		7 10 mm	
Mechanical dimensions		118 x 18 x 10,5 mm	
Fixing		Bi-adhesive	
Weight		13 g	

MECHANICAL DIMENSION



[2] Maximum value, dependent on the dissipaəon condiəons. This value is measured at 40°C, it is maximum Ambient Temperature.
[3] Tc = 50 ° C with Ta = 40 ° C. At an ambient temperature of Ta = 20 ° C → Tc = 30 ° C

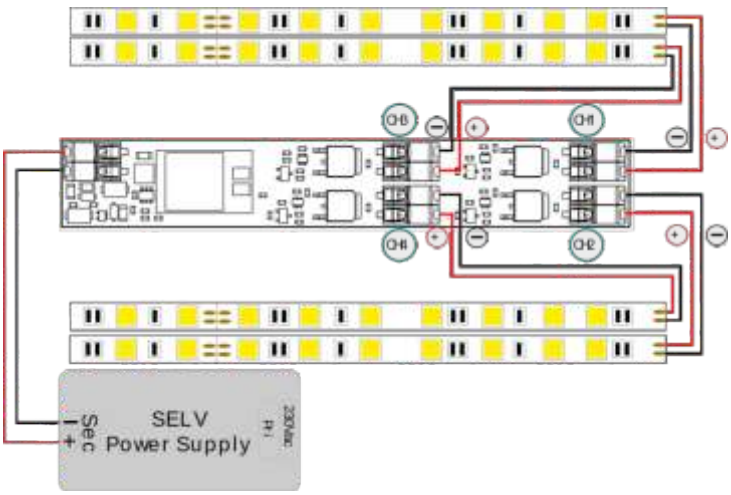
INSTALLATION

To set the product, follow the instrucəons below:

- Fix the Casambi Driver inside the aluminium profile by the provided thermal Bi-adhesive;
- Connect the LED to the output channel;
- Connect the power supply into the input of the dimmer.

This Product as any other Casambi product, should not be placed in a metal enclosure or next to large metal structures. Metal will e ecəvely block all radio signals which are crucial to operaəon of the product.

WIRING DIAGRAM: WHITE



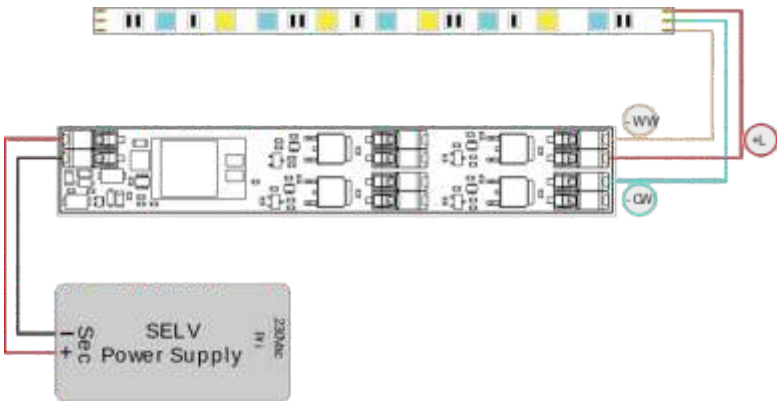
Channel 1: Dimmer

Channel 2: Dimmer

Channel 3: Dimmer

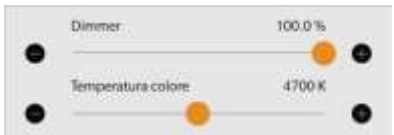
Channel 4: Dimmer

WIRING DIAGRAM: TUNABLE WHITE

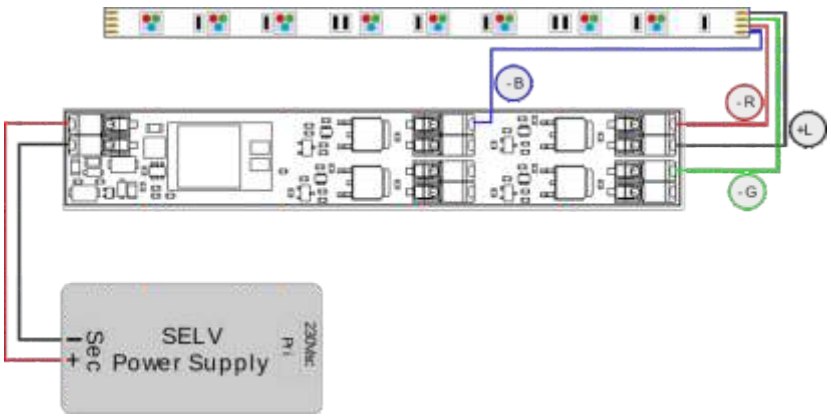


Channel 1: Dimmer

Channel 2: Colour temperature



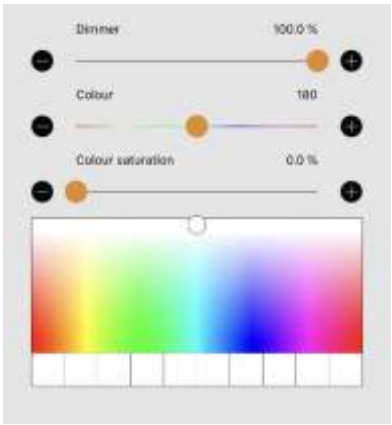
WIRING DIAGRAM: RGB



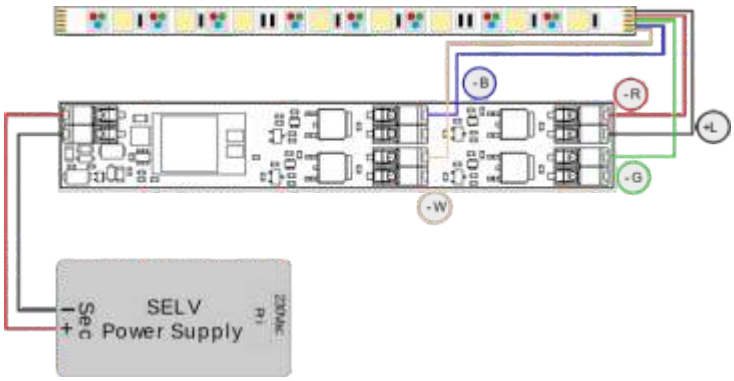
Channel 1: Dimmer

Channel 2: Colour

Channel 3: Colour Saturaəon



WIRING DIAGRAM: RGB+W

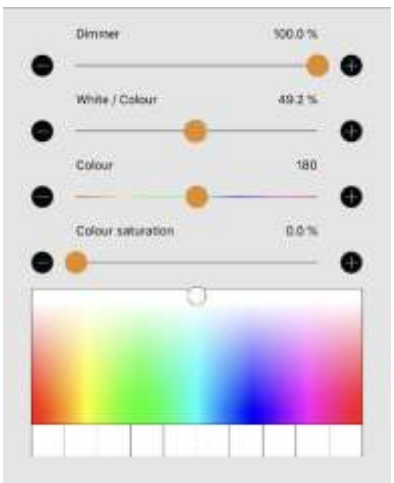


Channel 1: Dimmer

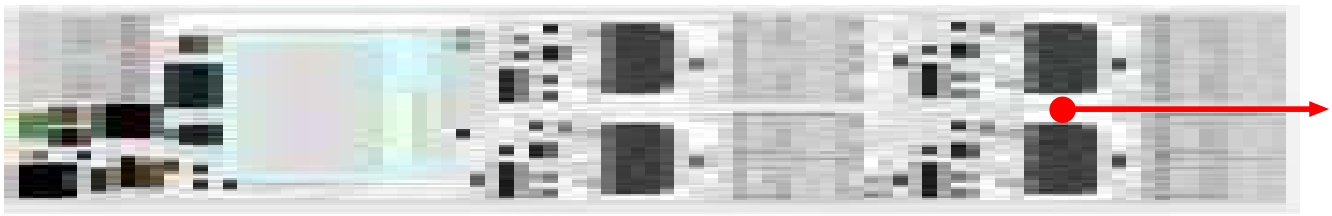
Channel 2: White / Colour

Channel 3: Colour

Channel 4: Colour Saturaəon



Tc POINT



TECHNICAL NOTE

Installaəon:

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

Power Supply:

- For the power supply use only a SELV power supplies with limited current, short circuit protecəon and the power must be dimensioned correctly. In case of using power supply with ground terminals, all points of the earth (PE = Protecəon Earth) must be connected to a valid and cerəfied protecəon earth.
- The connecəon cable between the power source “low voltage” and the product must be dimensioned correctly and they should be isolated from every wiring or parts at not SELV voltage. It is suggested to use double insulated shielded.
- 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 protecəon against over-current between the power supplies and the device.

Outputs:

- The length of the connecəon 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 every wiring or parts at not SELV voltage. It is suggested to use double insulated shielded cables.

WARNING: For opəonal funcəonality of the Bluetooth signal, do not put the device into metal or aluminium boxes and do not shield the device.
As any other Bluetooth product, should not be placed in a metal enclosure or next to large metal structures. Metal will e ecəvely block all radio signal which are crucial to the operaəon of the product.