

Casambi CBU-PWM4

Diffusion LED Controller



Safety Instruction and Warning

WARNING:

READ CAREFULLY BEFORE INSTALLING.

Installation should only be performed by a qualified electrician in accordance with NEC and all applicable local building codes.

Risk of fire or electric shock. Fixture installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

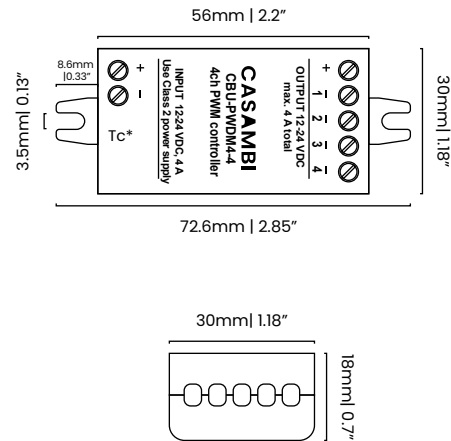
Ensure that electrical power is turned OFF before and during installation or maintenance.

Fixtures must be connected to a wiring system that includes an equipment-grounding conductor.

Ensure that the supply voltage matches the rated voltage of the luminaire fixture.

Wear gloves and safety glasses at all times when removing the luminaire from the carton, installing, servicing, or performing maintenance.

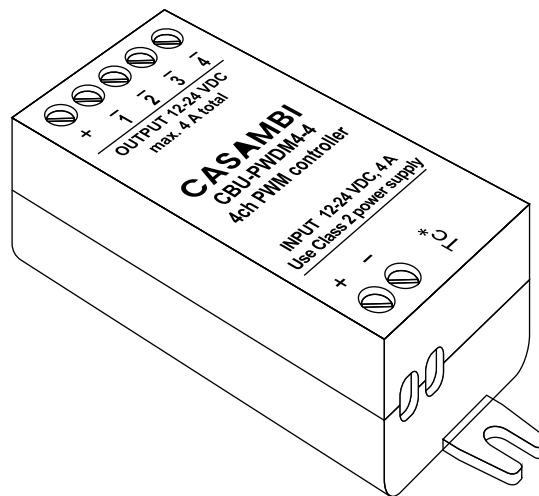
Diagram



Description

CBU-PWM4 is a Bluetooth-enabled dimmer for constant voltage LED loads. It has 4 channels for RGBW and tunable white applications, with a max output current of 6A. It's protected against overvoltage, overcurrent, and short circuits, but not reverse polarity.

Shop Drawing



Casambi CBU-PWM4

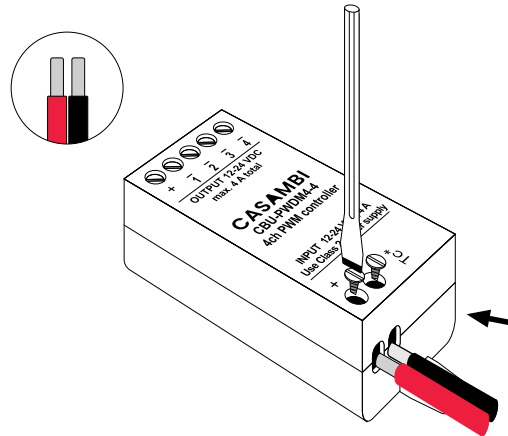
Diffusion LED Controller



Installation

Step 1

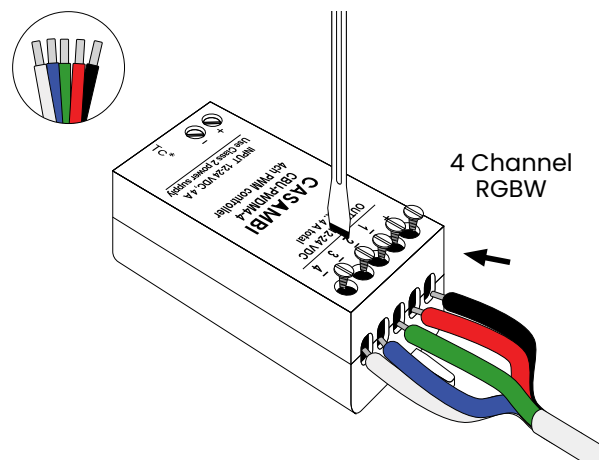
Connect a Class 2 power supply with 12-24 VDC output voltage to the input connector of CBU-PWMV4-4. Strip the wire 6-7 mm from the end. Make sure not to use a constant current LED driver. Insert the wires into the corresponding holes and tighten the connector screws. Make sure that the cable polarity is correct.



Step 2

The product has one shared positive output connector (+) and each of the four channels have its own negative connector (-). This is the most typical case with multichannel LED strips. Connect the LED load wires accordingly.

CBU-PWM4-4 can be configured having different types of outputs, such as 4 channel RGBW, 3 channel RGB and 2 channel TW. Also, its possible configurations can be made by the end user from Casambi App. As a default, CBU-PWM4 is delivered with RGBW configuration.



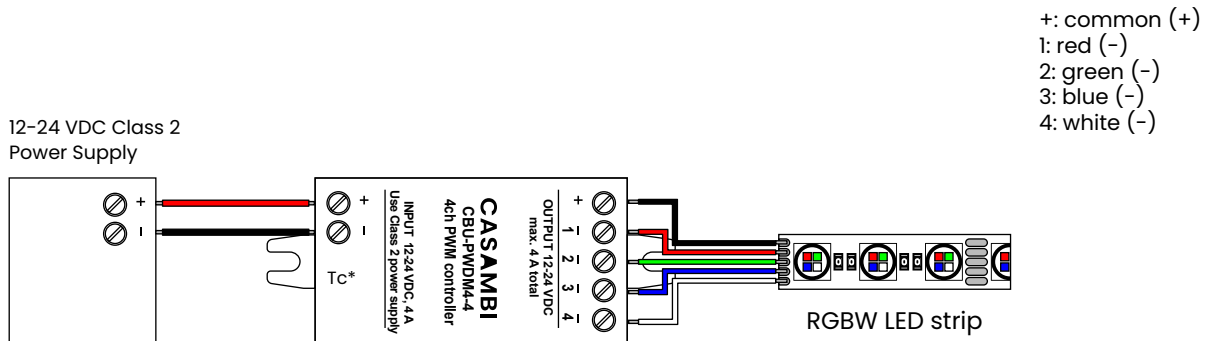
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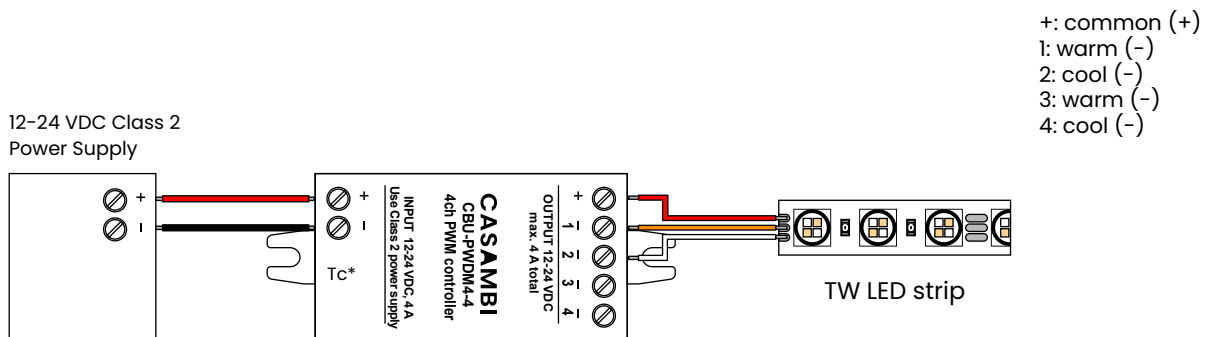


Wiring Diagram

RGBW



Tunable White



1-4 Separate Channels

