01 FUNCTION INTRODUCTION

01 7 in 1 Casambi LED controller – works with a Casambi network.

02 Controls ON/OFF, light intensity, colour temperature and RGB colour of connected LED lights.

03 Can be controlled by both the Casambi App and Casambi wall switches.

04 Easy commissioning with the Casambi App.

05 Casambi Bluetooth, 2.4GHz radio frequency. Radio range 50m (164 ft) in open field – actual range depends on field installation.

06 Can be controlled by existing push switches.

07 Push switch can be configured through the Casambi App to control elements, luminaires, groups or scenes.

08 Waterproof grade: IP20.

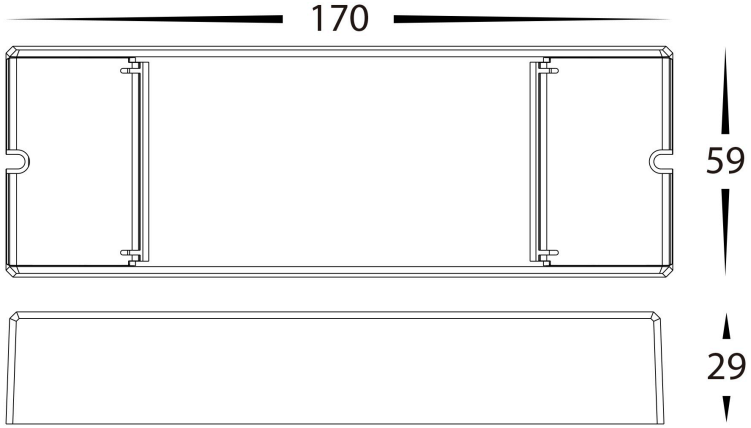
03 SAFETY & WARNINGS

01 DO NOT install with power applied to the device.

02 DO NOT expose the device to moisture.

04 PRODUCT DIMENSION

MM



02 PRODUCT DATA

INPUT VOLTAGE	12–48V DC · constant voltage
OUTPUT CURRENT	8A/ch @ 12V/24V · 6A/ch @ 36V · 4A/ch @ 48V
OUTPUT POWER	96W/ch @ 12V · 192W/ch @ 24V · 216W/ch @ 36V · 192W/ch @ 48V
CONNECTOR CURRENT RATING	Max. 20A
WIRE SIZE	0.5–2.5mm² (12–20AWG)
SIZE (L × W × H)	170 × 59 × 29mm
AMBIENT TEMPERATURE	–20°C to +50°C
MAX. CASING TEMPERATURE	75°C

05 TERMINAL FUNCTIONS

GROUP	TERMINALS	FUNCTION
DC INPUT	V– · V– · V+ · V+	DC power input
LED OUTPUT	+	Common anode output (+)
LED OUTPUT	1– … 4–, WW–, CW–, R–, G–, B–, W–	Channel outputs (–) – see profile table
PUSH SWITCH	GND · switch	Push switch input

06 OPERATING PROFILES

7 SELECTABLE IN CASAMBI APP

PROFILE	DESCRIPTION
01 RGBTW	RGB and tunable white – separate control, no mix
02 RGB+TW	RGB and tunable white – mixing enabled
03 RGBW	RGB and white – separate control, no mix
04 RGB+W	RGB and white – mixing enabled
05 RGB	Red, green and blue
06 2 × TW	Two tunable white lights – separate control
07 4ch DIM	Four single-colour lights – separate control

07 CHANNEL OUTPUT BY PROFILE

CHANNEL	RGBTW & RGB+TW	RGBW & RGB+W	RGB	2 × TW	4CH DIM
CH1	R	R	R	WW	1–
CH2	G	G	G	CW	2–
CH3	B	B	B	WW	3–
CH4	WW	W	NC	CW	4–
CH5	CW	NC	NC	NC	NC

NC = not connected. Common anode output (+) is shared by all channels.

08 SELECT PROFILE

The factory default profile of this device is **RGBTW**. You can switch to other control modes with “Change profile”: in the Luminaires tab, double-click the device, choose “Change profile” from the pop-up menu and select the profile.

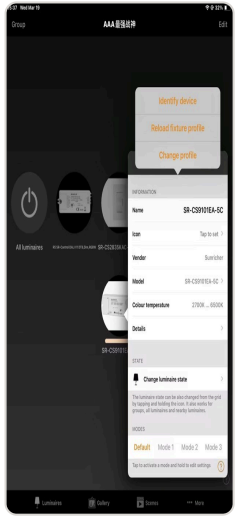
09 FIRMWARE OTA UPDATE

To upgrade the firmware, first tap “check for updates” on the Nearby devices page, then go to the Luminaires tab, double-click the device and choose “Reload fixture profile” from the pop-up menu to upgrade to the latest firmware.

10 CASAMBI APP SCREENS



LUMINAIRES TAB
Open the Luminaires tab and double-click the device.



POP-UP MENU
Choose “Change profile”, or “Reload fixture profile” for firmware update.

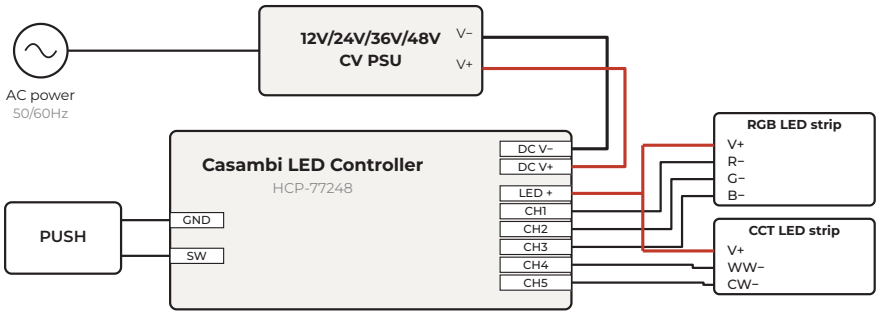


SELECT PROFILE
Choose the profile from the list.



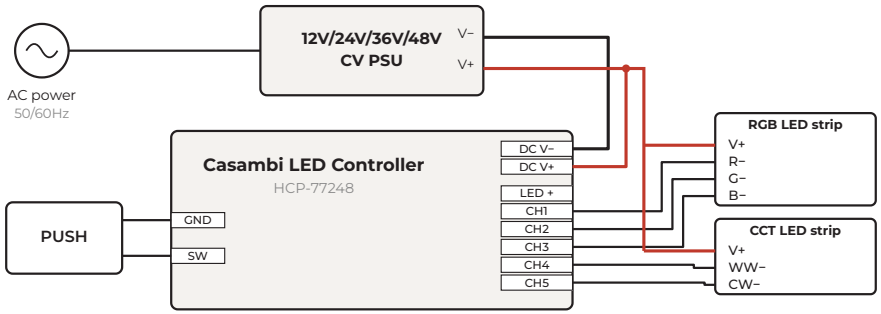
PROFILE LIST
The selected profile is applied to the device.

11 RGBTW & RGB+TW · LOAD ≤ 20A PER RECEIVER



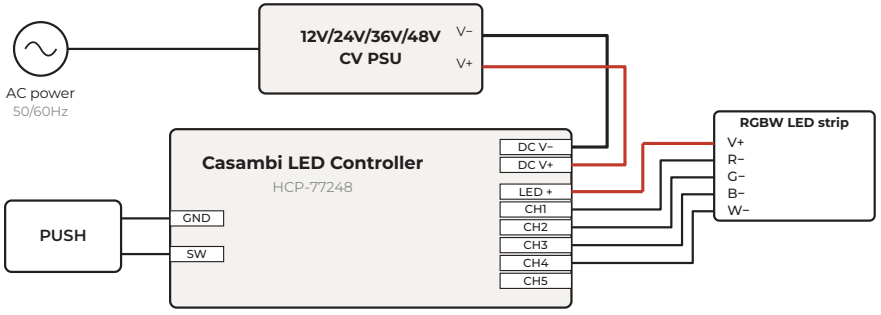
Red = V+ · black = V− / channel returns

12 RGBTW & RGB+TW · LOAD > 20A PER RECEIVER



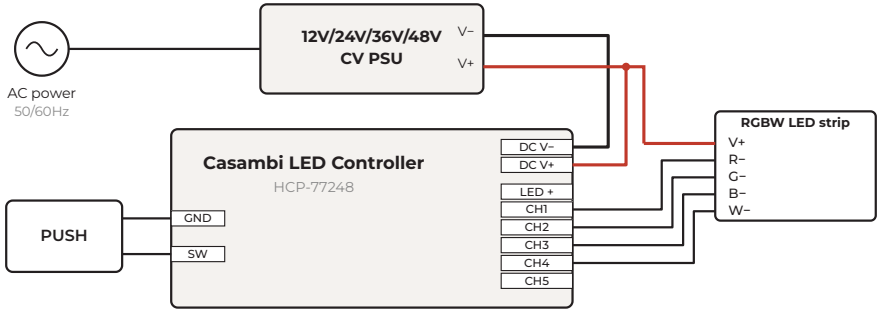
Red = V+ · black = V− / channel returns

13 RGBW & RGB+W · LOAD ≤ 20A PER RECEIVER



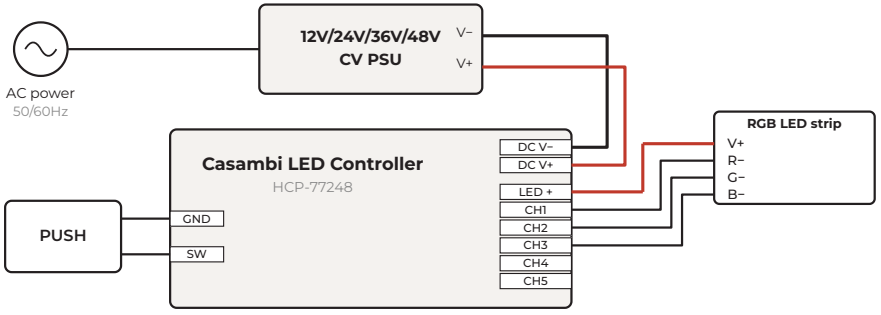
Red = V+ · black = V− / channel returns

14 RGBW & RGB+W · LOAD > 20A PER RECEIVER



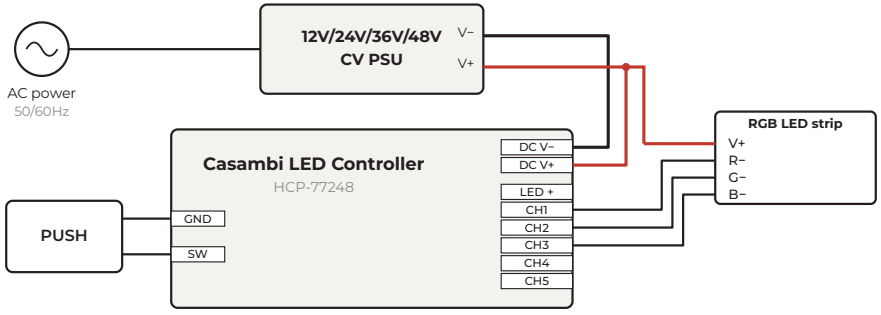
Red = V+ · black = V− / channel returns

15 RGB · LOAD ≤ 20A PER RECEIVER



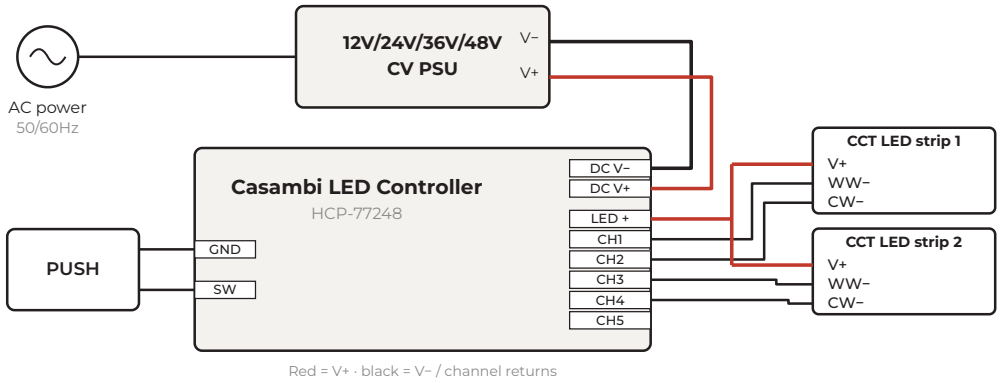
Red = V+ · black = V− / channel returns

16 RGB · LOAD > 20A PER RECEIVER



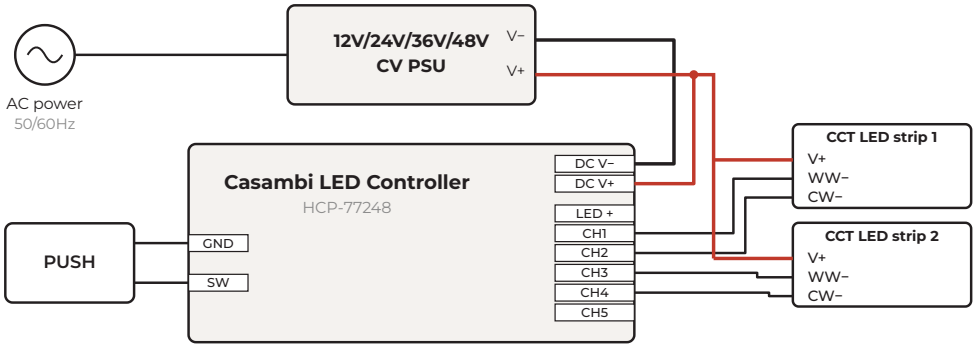
Red = V+ · black = V− / channel returns

17 2 × TW · LOAD ≤ 20A PER RECEIVER



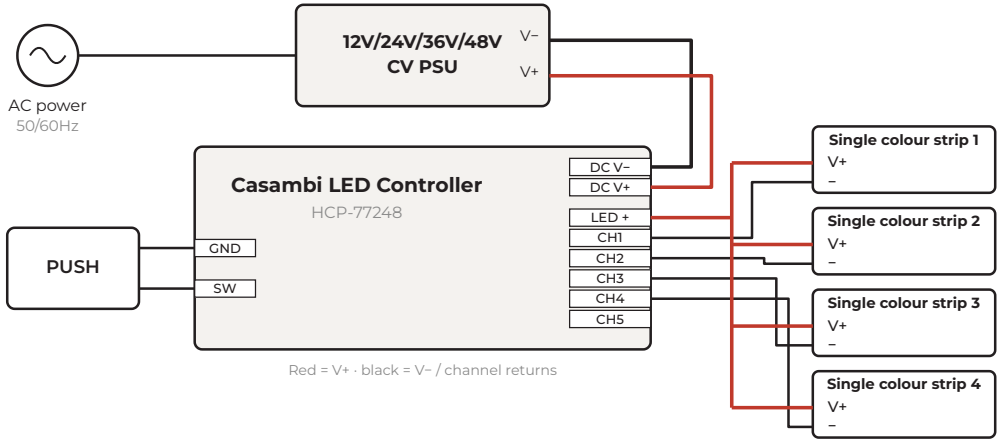
Red = V+ · black = V− / channel returns

18 2 × TW · LOAD > 20A PER RECEIVER



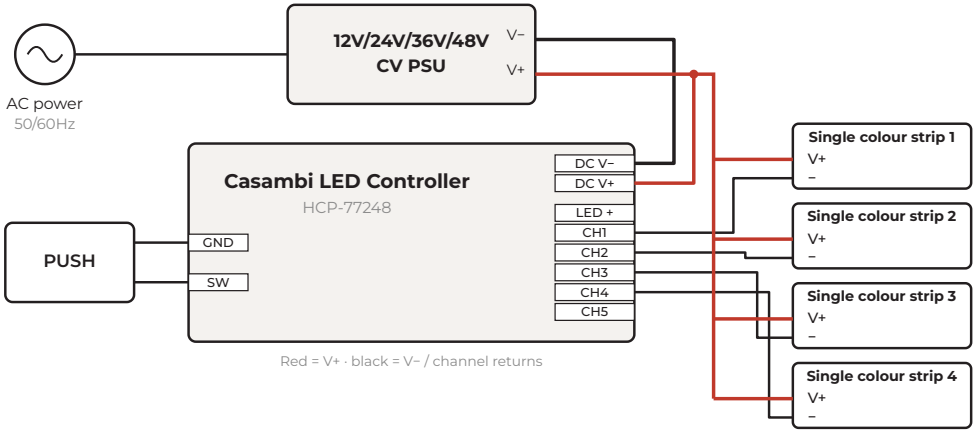
Red = V+ · black = V− / channel returns

19 4CH DIM · LOAD ≤ 20A PER RECEIVER



Red = V+ · black = V− / channel returns

20 4CH DIM · LOAD > 20A PER RECEIVER



Red = V+ · black = V− / channel returns