VEROBOARD®

SR-1009TYWI-5C (R-4A)
Constant Voltage Receiver, 12-24V 5x4A 24V

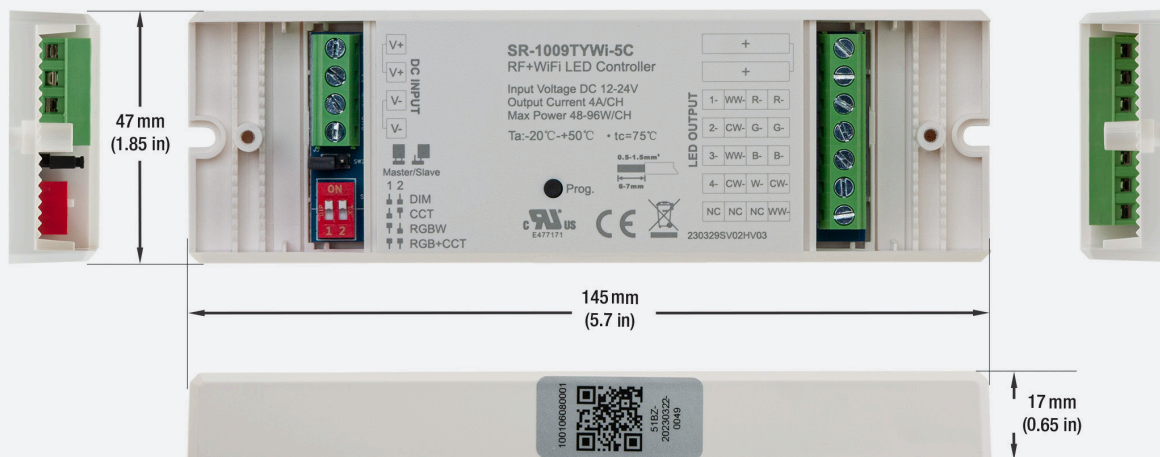|	
Model No.:	SR-1009TYWI-5C (R-4A)
Input Voltage:	12-24V DC
Output Wattage:	300-900W
Output Current:	5 x 4A (5CH x 4A/CH)
App Controller:	Android, iOS tuya
Compatible Remote Controllers:	SR-2819S-CCT(R2)
	SR-2819S RGBW(R3)
	SR-2858Z4-5C RGBW+CCT(R4)
	SR-2819S-DIM(R1)
Case Temperature (Tc):	75º C
Ambient Temperature (Ta):	20º C~+5º0 C
Dimensions:	145mm x 47mm x 17mm (5.7" x 1.85" x 0.65")
Certifications:	CE/cRU/RoHS

Name: _____

Company: _____

Phone: _____

Email: _____

Features:

- The SR-1009TYWI-5C is a constant voltage receiver designed to work with LED lights.
- It has 5 channels, each capable of handling a current of 4A, for a total output current of 20A.
- The input voltage range is 12-24V DC, and it can output a wattage range of 300-900W.
- The case temperature (Tc) of the receiver is 75º C.
- The receiver can be controlled via the Tuya app, which is available for both Android and iOS devices.
- It is compatible with several remote controllers, including the SR-2819S-CCT, SR-2819S RGBW, and SR-2858Z4-5C RGBW+CCT.
- The ambient temperature (Ta) range for the Receiver is 20º C~+50º C.
- It is UL certified, ensuring safety and quality standards are met.

47 mm (1.85 in)

SR-1009TYWi-5C
RF+WiFi LED Controller
Input Voltage DC 12-24V
Output Current 4A/CH
Max Power 48-96W/CH
Ta:-20℃-+50℃ · tc=75℃

DC INPUT
V+
V+
V-
V-

Master/Slave
1 2
DIM
CCT
RGBW
RGB+CCT

Prog.
E477171

LED OUTPUT
+
+
1- WW- R- R-
2- CW- G- G-
3- WW- B- B-
4- CW- W- CW-
NC NC NC WW-

230329SV02HV03

145 mm (5.7 in)

17 mm (0.65 in)

CE cRUus RoHS

SKU: 666561430788

4 in 1 RF+WiFi LED Controller

CE **RoHS** COMPLIANT

Important: Read All Instructions Prior to Installation

Function introduction

12V/24VDC Power Input

SR-1009TYWi-5C
RF+WiFi LED Controller

Input Voltage DC 12-24V
Output Current 4A/CH
Max Power 48-96W/CH

Ta:-20℃-+50℃   • tc=75℃

0.5-1.5mm²
6-7mm

DC INPUT
V+
V+
V-
V-

LED OUTPUT
+
+
1- WW- R- R-
2- CW- G- G-
3- WW- B- B-
4- CW- W- CW-
NC NC NC WW-

ON
1 2
MASTER SLAVE
1 2
Prog.

1 2 DIM
CCT
RGBW
1 2 RGB+CCT

Common Anode Output(+)
CH1:R/R/WW/1 output(-)
CH2:G/G/CW/2 output(-)
CH3:B/B/WW/3 output(-)
CH4:CW/W/CW/4 output(-)
CH5:WW/NC/NC/NC output(-)

NC = No Connection
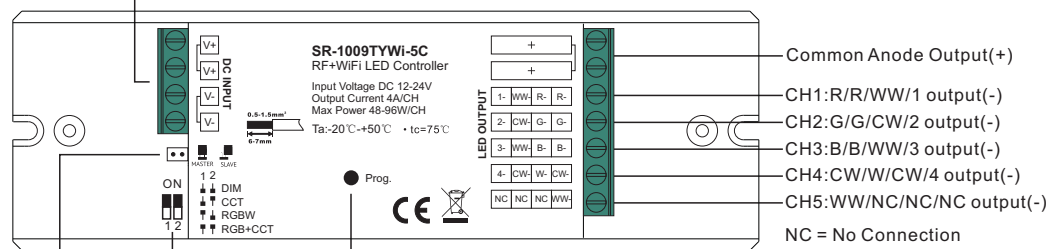
Master/Slave setting jumper

"Prog." button, used to pair or delete pairing with RF remote, to enter WiFi pairing mode

Dial switch for device mode selection, DIM, CCT, RGBW and RGB+CCT 4 modes are available, factory default is RGB+CCT mode

Product Data

No.	Input Voltage	Output Current	Output Power	Remarks	Size(LxWxH)
1	12-24VDC	5x4A	5x(48-96)W	Constant voltage	145x46.5x16mm

- RF+WiFi LED controller
- 5 channels 12/24V constant voltage output
- Max. 4A output per channel
- RF frequency: 434/869.6/916.5MHz
- Compatible with universal legacy RF remotes
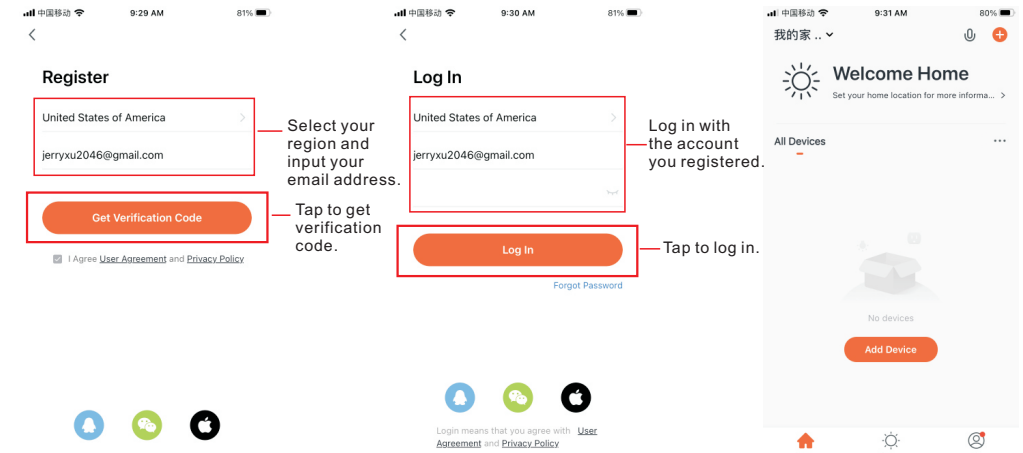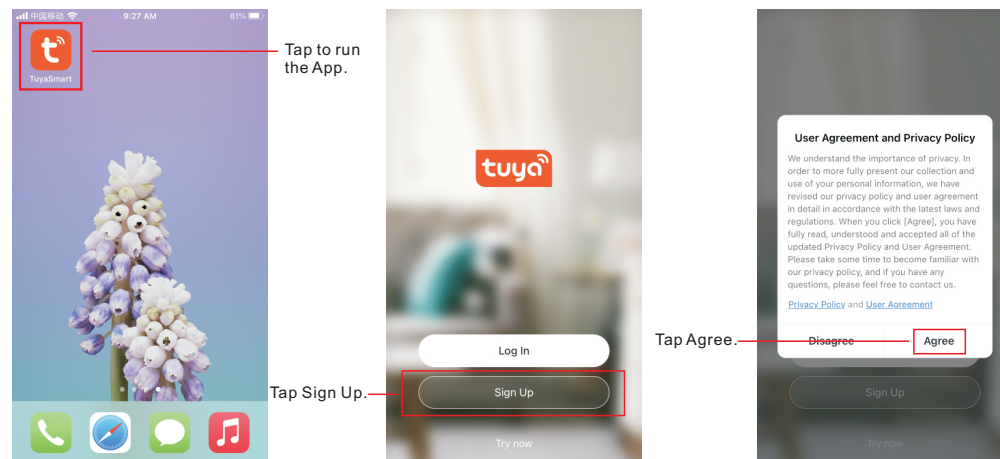- Waterproof grade: IP20

Safety & Warnings

- DO NOT install with power applied to device.
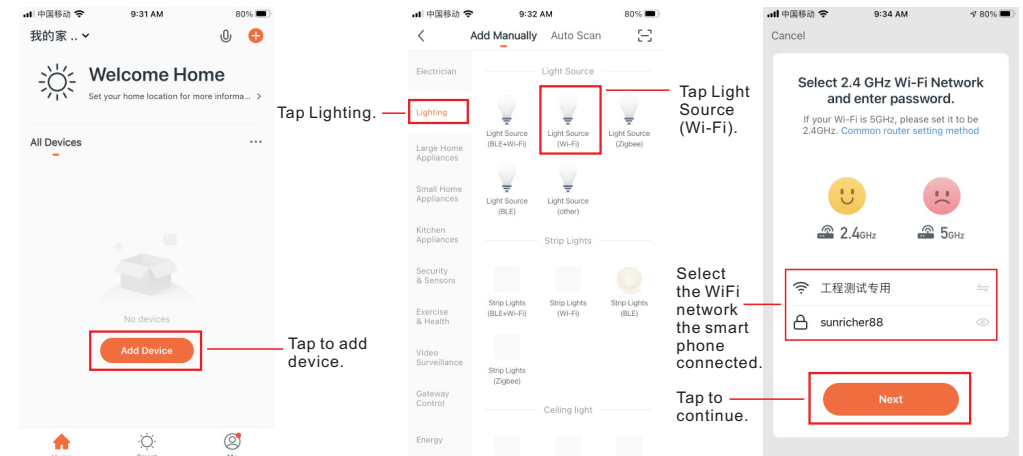- DO NOT expose the device to moisture.

Operation

1. Do wiring according to wiring diagram.

2. Pair the WiFi LED controller to the smart phone or tablet:

Step 1: Download the "TuyaSmart" APP from APP store or google play, and register an account as instructed, then log in the account. **Please enable bluetooth on your smart phone in advance**.
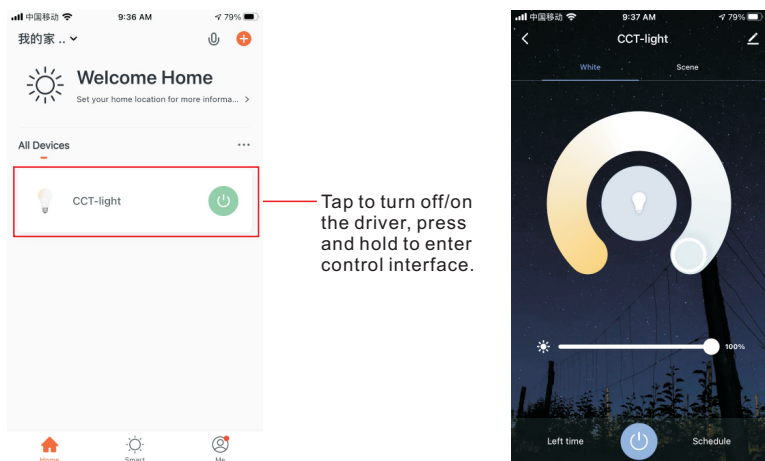
Tap to run the App.

Tap Sign Up.

Tap Agree.

User Agreement and Privacy Policy

We understand the importance of privacy. In order to more fully present our collection and use of your personal information, we have revised our privacy policy and user agreement in detail in accordance with the latest laws and regulations. When you click [Agree], you have fully read, understood and accepted all of the updated Privacy Policy and User Agreement. Please take some time to become familiar with our privacy policy, and if you have any questions, please feel free to contact us.

Privacy Policy and User Agreement

Disagree   Agree

Log In
Sign Up
Try now

Register

United States of America
jerryxu2046@gmail.com

Get Verification Code

☐ I Agree User Agreement and Privacy Policy

Select your region and input your email address.

Tap to get verification code.

Log In

United States of America
jerryxu2046@gmail.com

Log In

Forgot Password

Login means that you agree with User Agreement and Privacy Policy

Log in with the account you registered.

Tap to log in.

我的家 .. ∨

Welcome Home
Set your home location for more informa...

All Devices

No devices

Add Device

Home   Smart   Me

Step 2: Short press the "Prog" button 5 times continuously (or reset power of the controller 5 times) to reset the WiFi LED controller and set it to WiFi pairing mode, LED light will blink rapidly, then tap "Add Device" to pair the WiFi LED controller to the smart phone.

我的家 .. ∨

Welcome Home
Set your home location for more informa...

All Devices

No devices

Add Device

Home   Smart   Me

Tap to add device.

Add Manually   Auto Scan

Electrician
Lighting
Large Home Appliances
Small Home Appliances
Kitchen Appliances
Security & Sensors
Exercise & Health
Video Surveillance
Gateway Control
Energy

Light Source
Light Source (BLE+Wi-Fi)
Light Source (Wi-Fi)
Light Source (Zigbee)
Light Source (BLE)
Light Source (other)

Strip Lights
Strip Lights (BLE+Wi-Fi)
Strip Lights (Wi-Fi)
Strip Lights (BLE)
Strip Lights (Zigbee)

Ceiling light

Tap Lighting.

Tap Light Source (Wi-Fi).

Cancel

Select 2.4 GHz Wi-Fi Network and enter password.

If your Wi-Fi is 5GHz, please set it to be 2.4GHz. Common router setting method

2.4GHz   5GHz

工程测试专用
sunricher88

Next

Select the WiFi network the smart phone connected.

Tap to continue.

Step 3: Confirm that the driver is set to pairing mode and LED light blinks rapidly. Connecting starts, the WiFi LED controller will appear on the APP interface once added successfully.

Tick to confirm.

Tap to continue.

Tap to finish adding.
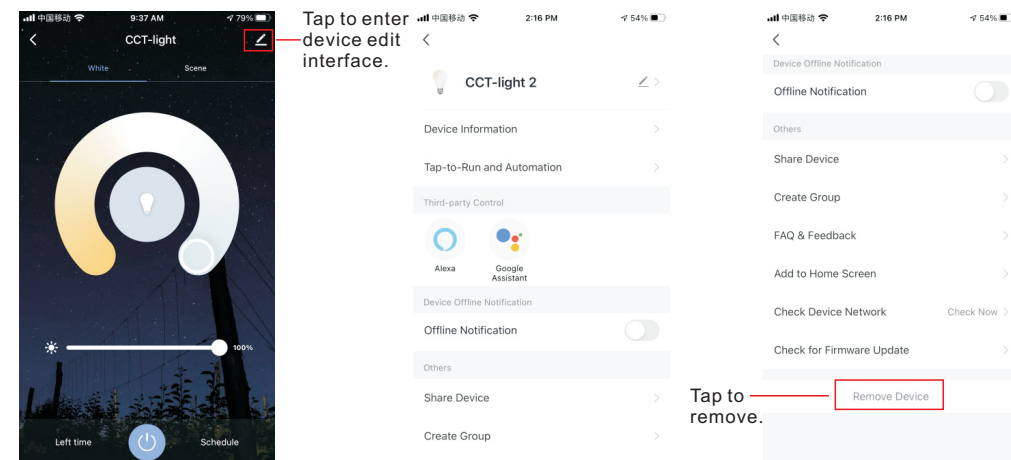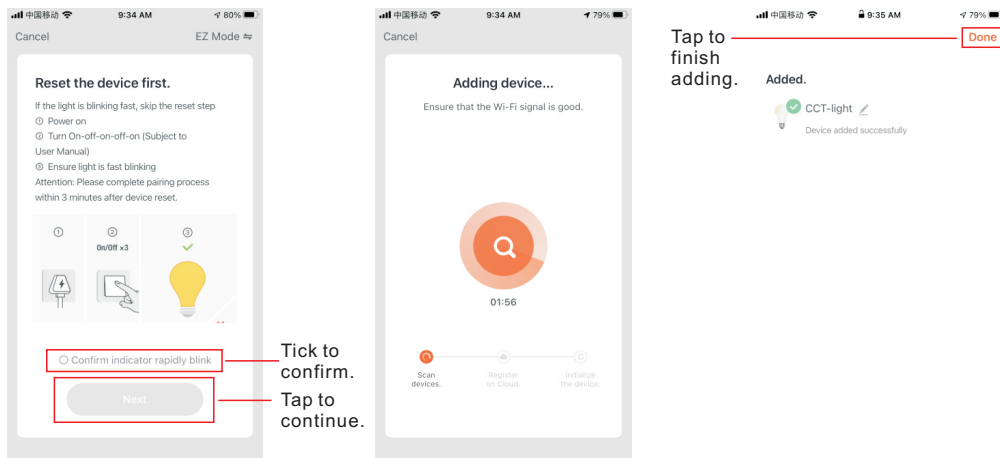
Step 4: You can control the WiFi LED controller through the APP.

Tap to turn off/on the driver, press and hold to enter control interface.

3. Remove the WiFi LED controller from the APP interface.

Tap to enter device edit interface.

Tap to remove.

4. Pair the LED Controller with an RF Remote (please refer to user manual of corresponding RF remote)

Step 1: activate the RF remote by short pressing ON button.

Step 2: select a zone on the RF remote by short pressing the zone number if it is a multi-zone remote.

Step 3: short press "Prog." key on the LED controller (or reset power 3 times) to set it to RF pairing mode.

Step 4: immediately touch the color wheel or short press any other button except on/off button on the remote.

Step 5: LED lights connected with the controller blinks once to indicate successful pairing.

5. Delete Pairing to RF Remotes

Step 1: press and hold the "Prog." button for over 3 seconds until the connected LED lights blink, which means the pairing is deleted successfully.

6. Master and Slave Setting:

1. The receiver has both master and slave functions which can be set with a jumper. Short circuit of the jumper means master function, and open circuit means slave function. Once short circuit the jumper on a receiver, please power off and power on the receiver to enable master function. Setting master and slave enables perfect synchronization of color changing effects.

2. Set one receiver as master and pair it to any zone of a remote, and this zone shall only have one receiver which works as master. Set all other receivers as slave and pair them to other zones of the remote, and multiple receivers can be paired to each zone. Then choose all zones on the remote and play the color changing effects, the master will send sync signal to the slaves to achieve perfect synchronization. The max. sync distance between the master and any slave is within 30m.
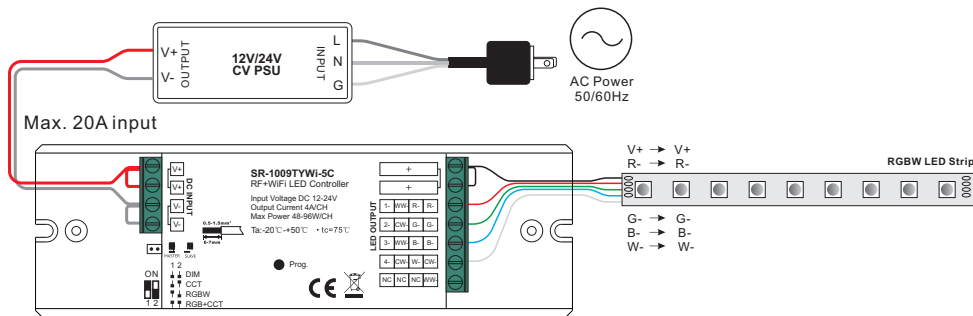
Wiring Diagram

1) RGB+CCT Mode

V+ → V+
R- → R-
G- → G-
B- → B-

RGB LED Strip

V+ → V+
CW- → CW-
WW- → WW-

CCT LED Strip
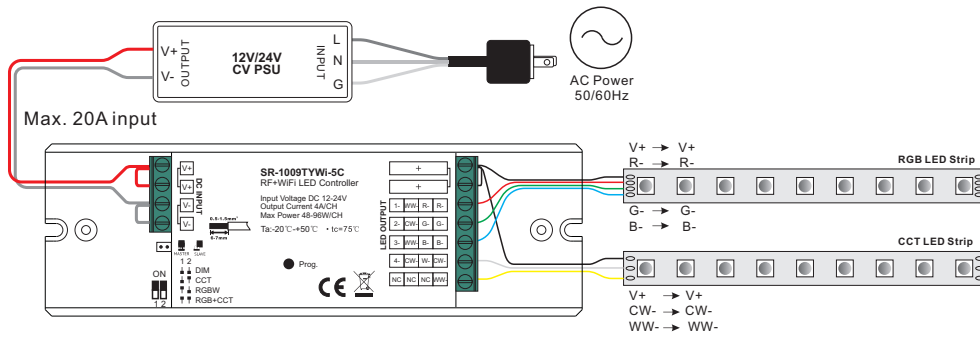
Note: please make sure the dip switches are at position for RGB+CCT mode as shown in above diagram.

2) RGBW Mode

V+ → V+
R- → R-
G- → G-
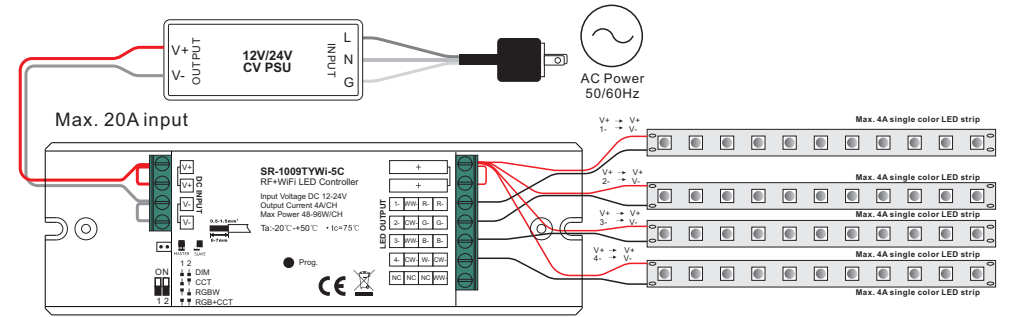B- → B-
W- → W-

RGBW LED Strip

Note: please make sure the dial switches are at position for RGBW mode as shown in above diagram.

3) CCT Mode

V+ → V+
WW- → WW-
CW- → CW-

CCT LED Strip

V+ → V+
WW- → WW-
CW- → CW-

CCT LED Strip
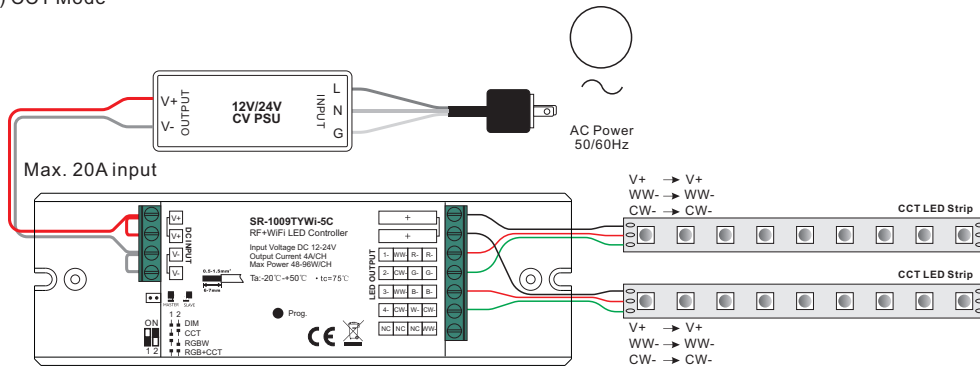
Note: please make sure the dial switches are at position for CCT mode as shown in above diagram.

4) DIM Mode

V+ → V+
1- → V-

Max. 4A single color LED strip

V+ → V+
2- → V-

Max. 4A single color LED strip
Max. 4A single color LED strip

V+ → V+
3- → V-

Max. 4A single color LED strip

V+ → V+
4- → V-

Max. 4A single color LED strip

Note: please make sure the dip switches are at position for DIM mode as shown in above diagram.