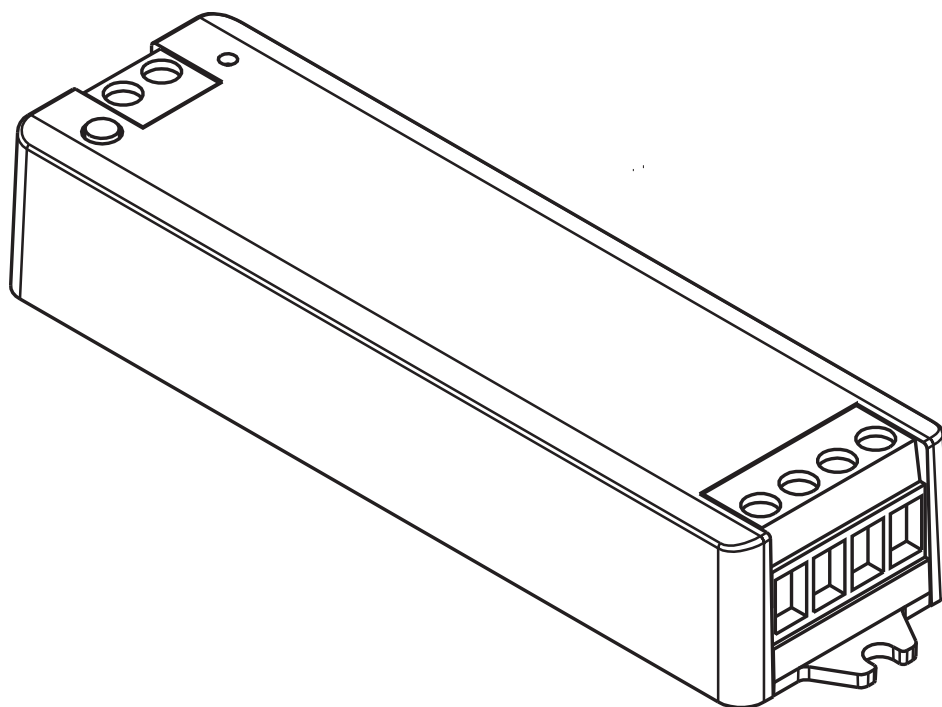




ELA-45742: RF 2.4G & Tuya Wifi DC CCT Dimmer Controller



This product should be disposed of responsibly at the end of its life. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice (Waste Electrical and Electronic Equipment Directive)



CHL, GORSE MILL, OL9 9RJ
www.cascadehl.com/#contact

EU Authorised Representative: Authorised Rep Compliance,
Ground Floor, 71 Lower Baggot Street, Dublin, Ireland,
D02P593. www.authorisedrepcompliance.com



A. PRODUCT SPECIFICATIONS

Compatible with RF 2.4G CCT remote controller.

Compatible with Tuya APP.

A single RF controller can connect to 10 remote controllers.

4096 levels of 0-100% smooth dimming, with no flicker.

Automatic transmission: The controller automatically sends remote control signals to another controller, extending the remote control distance.

Synchronization: A single remote controller can control multiple controllers simultaneously.

Input and Output

Input Voltage: 12-24V DC
Input Current: 6A
Output Voltage : 2x (12/24) V DC
Output Current: 2CH, 3A/CH
Output Power: 2x (36/72) W
Output Type: Constant Voltage

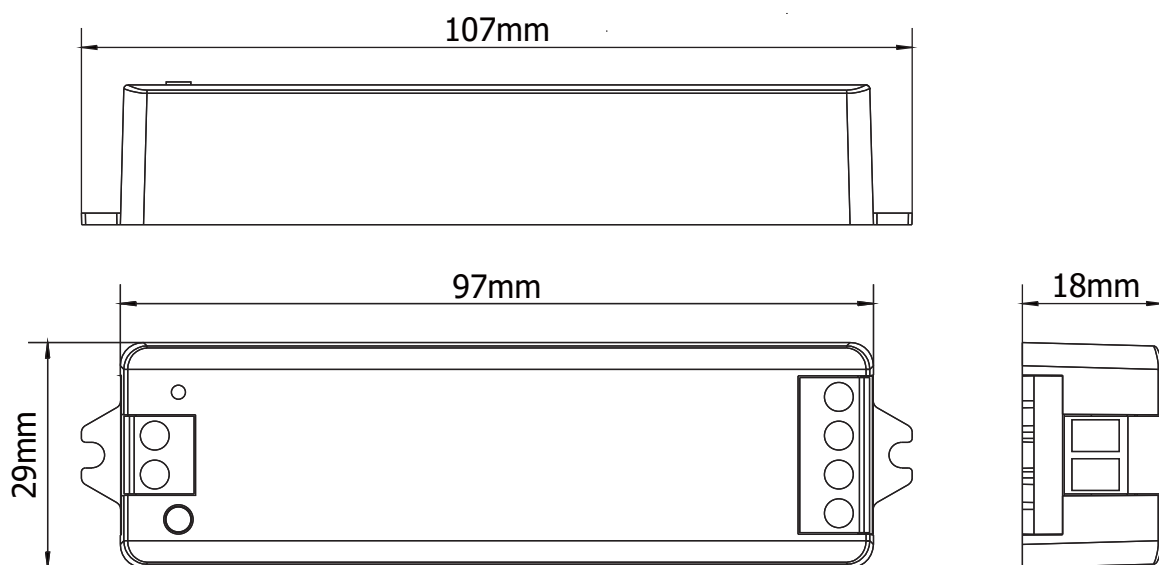
Dimming Parameters

Input Signal: RF2.4 GHz/Wi-Fi
Remote Control Distance: 30m
(open space, no obstacles)
Dimming Levels: 4096 levels
Dimming Range: 0-100%
Dimming Curve: Logarithmic

Environment

Operating Temperature: Ta: -30°C ~ +55°C
Maximum Case Temperature: Tc: +85°C
IP Rating: IP20

B. PRODUCT DIMENSIONS

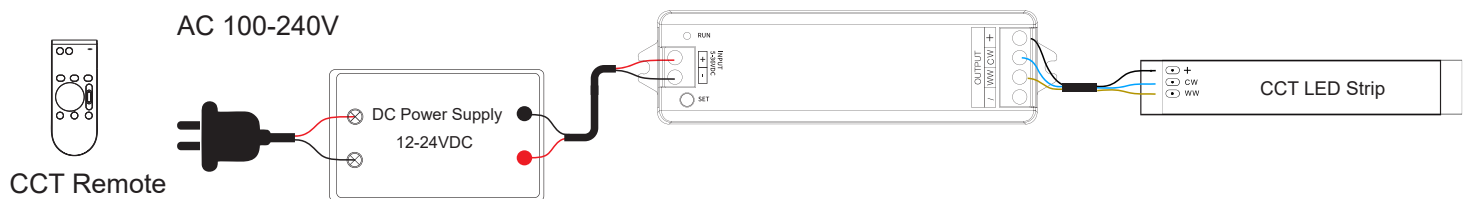


C. BUTTONS AND INTERFACES



D. WIRING DIAGRAM

Connect to DC Power Supply



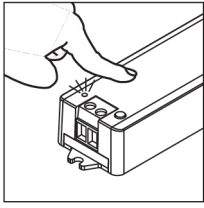
E. REMOTE CONTROL PAIRING

First time power on:

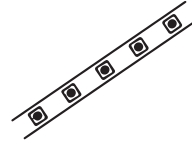
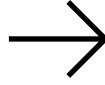
- The first time power on, the controller will automatically enter the remote control pairing, the indicator light will be on lasting 20secs, the led strip light is off.
- The led strip light will fade up and down, waiting for APP pairing, it will exit the pairing mode if no operation within 180secs. NB: it will not fade up and down if it has already been paired with APP;
- Any key operation of the paired remote control or the dimming operation of APP will interrupt the pairing state, both the indicator light and the strip light will go off if there is no operation for 20 secs.

Remote Control Pairing

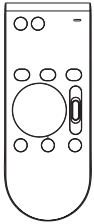
Press the pairing button **Prog.** on the Dimmer Controller once to enter pairing window lasting 20secs, the led strip light will be off. Press the pairing key (zone number key) on the Remote Control once to complete the pairing, the led strip will **flash once** when the pairing is successful.



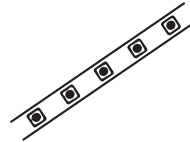
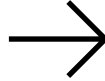
Press Prog. button



The led strip light will be off



Press Zone number key



The led strip light will flash once

F. TUYA APP PAIRING

Preparation for Tuya App pairing:

- Strong WiFi Signal cover is important to run this Tuya WiFi receiver.
- Only 2.4G WiFi router compatible.
- Download the TUYA app from Google or Apple Stores.
- Turn on Bluetooth on your smart phone.



2.4G Wi-Fi



Location



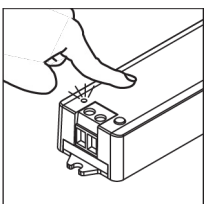
Bluetooth

From controller

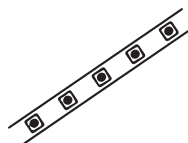
Press the controller pairing button **Prog. 5 times** to enter to APP pairing mode lasting 180secs , the led strip light will fade up and down automatically.

Use Tuya App to add device. Device name : **Scene light A2**

The led strip light will **flash twice and go off** when successfully added to the APP.



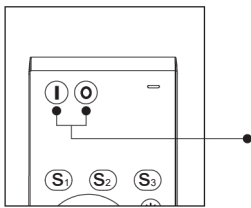
Press pairing button
Prog. 5 times



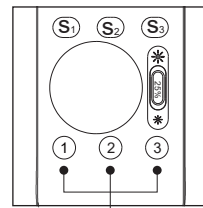
The led strip light will flash twice

From Remote

Press and hold buttons **I** and **O** on the paired remote control for 3secs to open the APP pairing window.



Press and hold
I and **O** buttons



Every number is 1 channel

G. TUYA APP OPERATION FLOW

APP Operation Process

Download and Install APP → Controller enters APP pairing mode (see previous pairing instructions)
→ Switch on Bluetooth → Configure Wi-Fi password in APP → Add successfully

Note:

Ensure that your WiFi router network is on the 2.4G frequency band. The 5G frequency band is not supported.

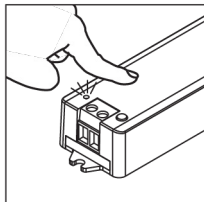
Scan the following QR codes to download the APP



H. UNPAIRING

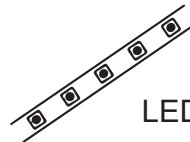
From the controller

Long press the controller pairing button **Prog. over 5 secs** and then release, the indicator light and the led light flashes 3 times to clear all the paired remote.



Press and hold the pairing button for 5 seconds.

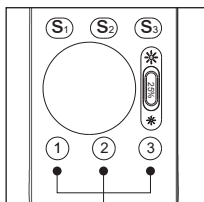
The indicator will flash 3 times.



LED Strip flashes 3 times.

From the remote

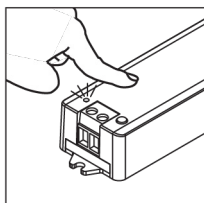
Press the zone number key 5 times quickly within 3 secs, the corresponding pairing will be cleared.



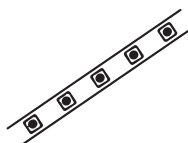
Press the zone number key 5 times quickly within 3 secs

I. FACTORY RESET

Long press the pairing button **Prog. over 10secs** until the **indicator light flash quickly**, and then relase, the led strip light flashes 5 times, this will restore the factory settings.



Press and hold the pairing button for 10 seconds.
indicator light flashes quickly



LED strip light flashes 5 times