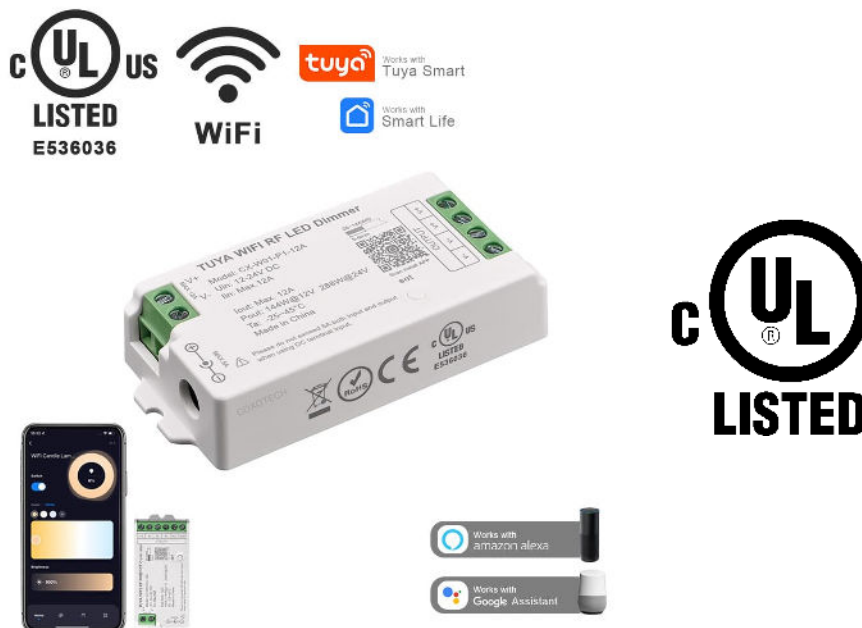


TUYA WiFi RF Smart LED Dimmer



Turn your LED strip lights into a smartphone-enabled lighting system using the TUYA WiFi RF Smart LED Dimmer. The controller adds app, WiFi, Bluetooth and compatible RF remote control to new or existing single-colour LED lighting installations.

Core Features

- 12–24V DC constant-voltage LED controller
- WiFi smartphone control
- 2.4GHz RF remote compatibility
- Third-party voice-control support
- Maximum 6A per output port
- Maximum 144W at 12V
- Single-colour dimming controller
- Bluetooth control
- TUYA Smart and Smart Life app support
- Up to 12A total output
- Maximum 288W at 24V
- Auto-transmitting and synchronization support

Specifications

Model	CX-W01-P1-12A
Working Voltage	12–24V DC
Output Current	6A per port
Maximum Power @ 12V	144W
Control Type	WiFi / Bluetooth / 2.4GHz RF
Operating Temperature	-25°C to +45°C

Certification	cUL
Output Channel	1
Maximum Total Current	12A
Maximum Power @ 24V	288W
App Compatibility	Yes
Dimensions	75 × 36 × 16.5 mm

Compatible Apps

- | | |
|----------------|------------------|
| - Tuya Smart | - Smart Life |
| - Amazon Alexa | - Google Home |
| - Apple Home | - Home Assistant |

Control Features

- | | |
|--|--|
| - Smartphone app control | - Compatible RF remote control |
| - Remote control range up to 30m under suitable conditions | - Group control |
| - Device sharing | - Timing and countdown control |
| - Brightness adjustment | - Music rhythm support |
| - Tap-to-Run and automation | - Controller-to-controller signal transmitting |
| - Synchronization between compatible controllers | - Link, unlink and reset button |

Remote Compatibility

Compatible with Atlantic LED Economy, Premium and Wall Mount RF remotes. Compatible remote models include LM007, LM087 and RC01RFB.

Installation & Safety

Install the controller on the low-voltage side of the LED system between the constant-voltage driver and the LED lighting. Input voltage and output voltage are the same.

- Do not supply the controller with more than 24V DC.
- Confirm correct positive and negative polarity before powering the controller.
- Install in a location that allows adequate heat dissipation.
- Avoid direct sunlight, moisture, high-temperature areas and strong magnetic fields.
- When operating at a total load of 12A, use wire with a conductor size greater than 1.5 mm².
- When the connected load exceeds 10A, keep the cable between the controller and LED strip shorter than 40cm.