Controller All-in-One:

Main Features

- Performs the digital dimming using Pulse Width Modulation (PWM)
- Communicates with control signal devices. (Remotes, App, IoT, 3rd Party Controls)
- Connects to a Power Supply (based on Wattage needed to power LED)
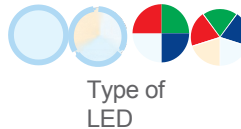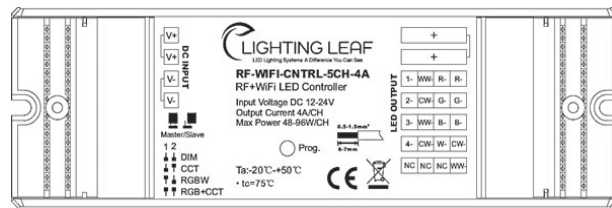- 4 Color Setting Modes (DIM, CCT Tunable, RGBW, RGBCCT)

Main Functions

- All-DC Micro-controller-based circuit designed for digital controls of Low-Voltage LEDs.
- Built-in wireless for Stand-alone system or expand to Control System Integration
- Connects directly to LED Tape to control brightness, color mixing, scenes, or schedules.
- Low-profile ¾" height allows for flexible installations to conceal its placement options

4-In-1 Selectable Controls

RF-WIFI-CNTRL-5CH-4A
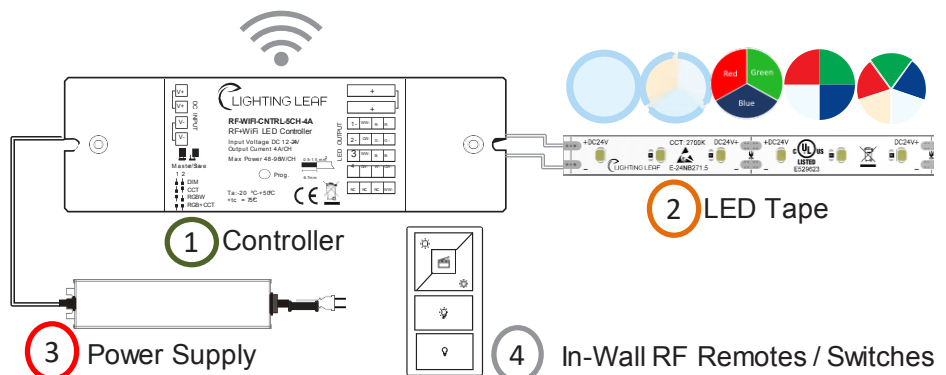SPECIFICATIONS:
Voltage: 12-24 VDC Constant voltage
Power: Max 5 x 4A Per Channel
Termination: Screw Terminal
Connection: RF / Wi-Fi / BLE

Type of LED

Set dip-switch to 1-of-4 types of LED
Select matching wall control
App automatically recognizes LED type set

System Overview

1. Controller
2. LED Tape
3. Power Supply
4. Wireless Remote/Switch

1 Controller
2 LED Tape
3 Power Supply
4 In-Wall RF Remotes / Switches

System Hardware

1 CONTROLLER All-In-One

Connects to Power Supply and LED
Talks to control signals. (Remote, App, IoT)

2 LED TAPE
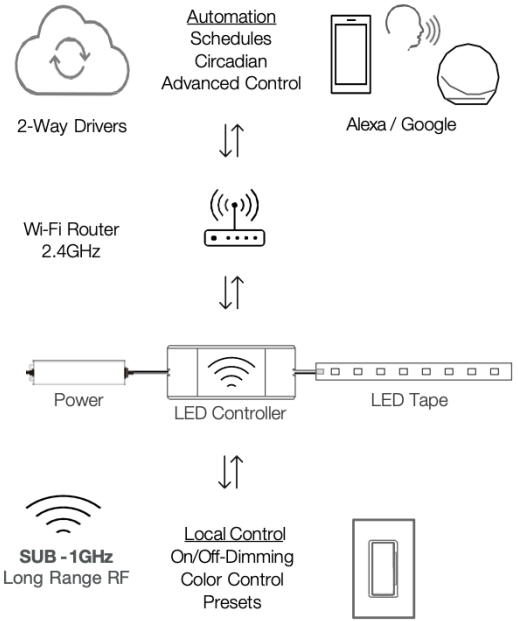
Single-Color
Multi-Color

3 POWER SUPPLY

100 to 300-watts
Based on type / Length of LED

4 CONTROL INTERFACE

Wall Switch / Remote / App
On or Off premises IoT / 3rd party control

System Architecture

Automation
Schedules
Circadian
Advanced Control

2-Way Drivers

Alexa / Google

Wi-Fi Router
2.4GHz

Power

LED Controller

LED Tape

SUB -1GHz
Long Range RF

Local Control
On/Off-Dimming
Color Control
Presets

3-In-1 Wireless Communications

Robust IoT Control

- Built-In Dual-path BLE/Wi-Fi
- Local and off-site access
- Auto network discovery
- Over-The-Air firmware update
- Full 2-way drivers

In-Room Control

- On/Off-Dimming
- Color Control - Presets
- Direct Connect - Long-range RF
- 1-Button Push-to-Pair learning
- Always on non-volatile memory

2.4Ghz BLE

Dim Lights

Control System
Integration

Alexa or Google
Enabled Devices

App

SUB -1GHz
Long Range RF

Best Connectivity for:
Long-Range Low
Power
Penetration through walls
Less congested frequency

Removable Magnetic-Mount
RF Wireless
In-wall Remote