

Quick Start: Single Color

White / IC Series 2-wire tape · DIM mode

IMPORTANT: Read all instructions before installation. Refer to the full controller manual for complete details.

1 COMPONENTS

PS-24V200WND	24VDC 200W power supply
RF-WIFI-CNTRL-5CH-4A	RF / Wi-Fi LED controller
RF-WSR-SCDIM-BTR-WH	RF wireless single-color wall remote
IC-24NB301.5	24V LED tape
ST-T-W2P	Screw terminal tape-to-wire connector, 2-pin
T-T2P	Tape-to-tape connector, 2-pin

SET DIP SWITCH FIRST



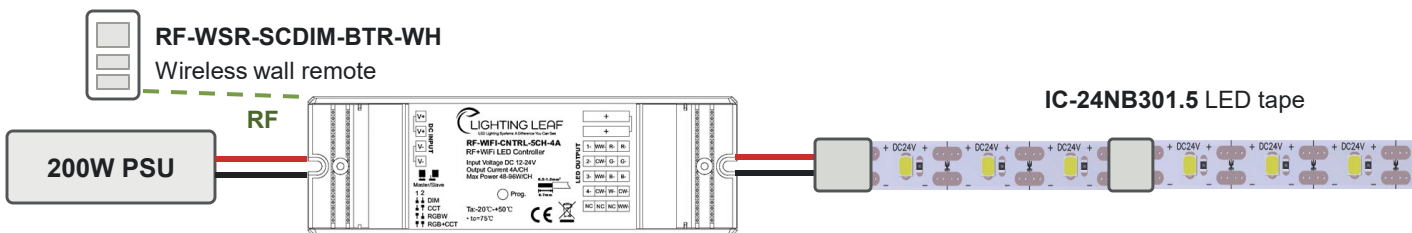
DIM

 Switch 1 **DOWN**

 Switch 2 **DOWN**

Factory default is RGB+CCT (both UP).
Set the switch with power off.

2 SYSTEM LAYOUT



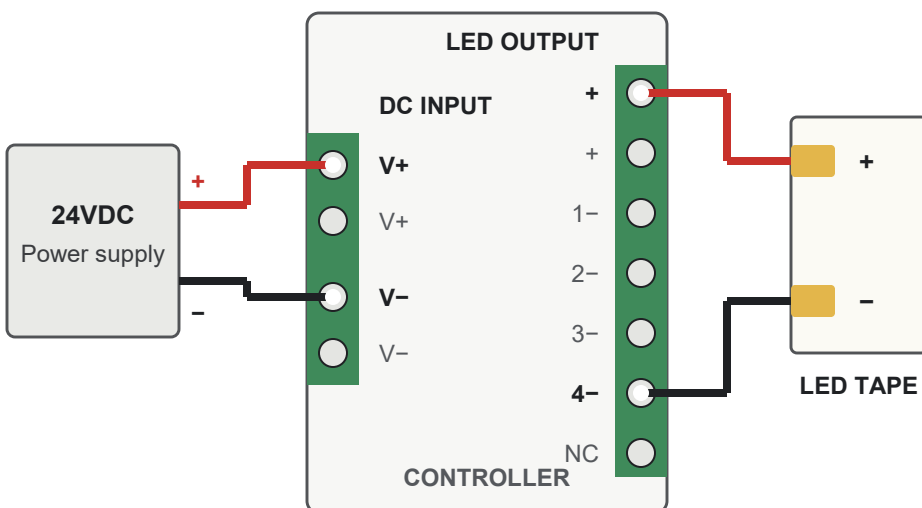
PS-24V200WND
200W · powers up to 130 ft

RF-WIFI-CNTRL-5CH-4A
Controller · DIM mode

ST-T-W2P
Tape-to-wire

T-T2P
Tape-to-tape

3 WIRE TERMINATIONS



LED OUTPUT MAP BY MODE

T	DIM	CCT	RGBW	RGB+CCT
+	+	+	+	+
1	1-	WW-	R-	R-
2	2-	CW-	G-	G-
3	3-	WW-	B-	B-
4	4-	CW-	W-	CW-
5	NC	NC	NC	WW-

Up to 64 ft: tape + to +, tape - to 4-. Longer runs: split across 1- to 4-.

Wire prep: strip 6–7 mm. Terminals accept 0.5–1.5 mm² (20–16 AWG).

Load: 4A max per channel (96W at 24V), about 64 ft of IC-24NB301.5 per output.

Input: 12–24VDC. Red or white lead to V+, black lead to V-.

Ambient: -20 °C to +50 °C. Case temperature (tc) 75 °C max.

Products may only be purchased through an authorized integration partner. Visit lightingleaf.com for current specifications and instructions.

Quick Start: Radiance RGB

Radiance RGB 4-wire tape · RGBW mode

IMPORTANT: Read all instructions before installation. Refer to the full controller manual for complete details.

1 COMPONENTS

PS-24V200WND	24VDC 200W power supply
RF-WIFI-CNTRL-5CH-4A	RF / Wi-Fi LED controller
RF-WSR-RGB+W-BTR-WH	RF wireless RGB+W wall remote
R-24RGB4.4	Radiance RGB LED tape
R-RGBT-TFWB4P	Radiance RGB flex wire bridge connector, 4-pin
R-RGBT-T4P	Radiance RGB tape-to-tape connector, 4-pin

SET DIP SWITCH FIRST

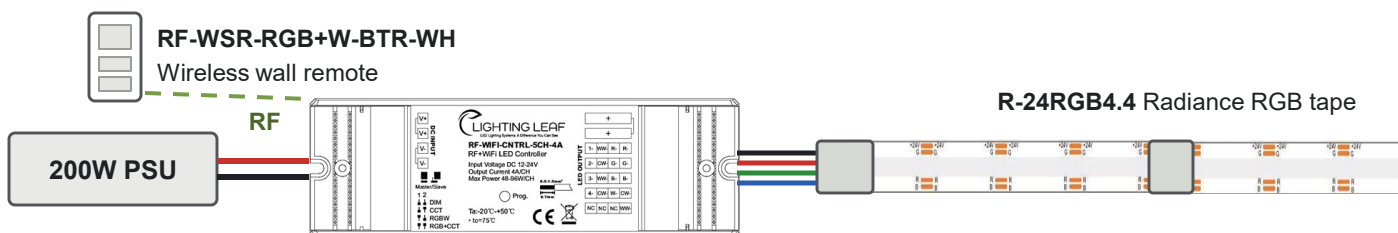


RGBW

Switch 1 **UP**
Switch 2 **DOWN**

Factory default is RGB+CCT (both UP).
Set the switch with power off.

2 SYSTEM LAYOUT



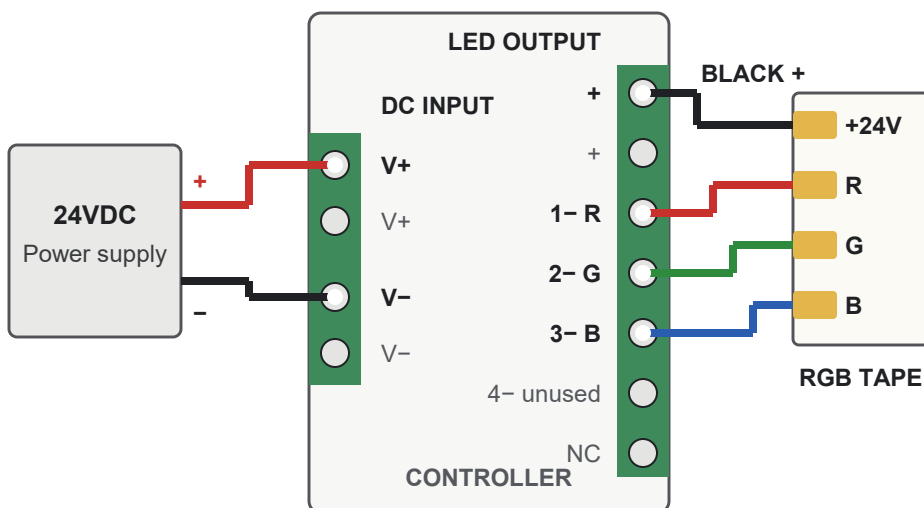
PS-24V200WND
200W · powers up to 43 ft

RF-WIFI-CNTRL-5CH-4A
Controller · RGBW mode

R-RGBT-TFWB4P
Flex wire bridge

R-RGBT-T4P
Tape-to-tape

3 WIRE TERMINATIONS



LED OUTPUT MAP BY MODE

T	DIM	CCT	RGBW	RGB+CCT
+	+	+	+	+
1	1-	WW-	R-	R-
2	2-	CW-	G-	G-
3	3-	WW-	B-	B-
4	4-	CW-	W-	CW-
5	NC	NC	NC	WW-

Wire code: BLACK = +24V common. RED, GREEN, BLUE = channel negatives.

Wire prep: strip 6–7 mm. Terminals accept 0.5–1.5 mm² (20–16 AWG).

Input: 12–24VDC. Red or white lead to V+, black lead to V-.

White controls: the app and remote White functions do not drive RGB tape. A paired RGB+W remote cycles 3 preset whites.

Load: 4A max per channel (96W per channel at 24V).

Products may only be purchased through an authorized integration partner. Visit lightingleaf.com for current specifications and instructions.

Quick Start: Pairing & App

Applies to Single Color and Radiance RGB installs

BEFORE PAIRING: Wire the controller per page 1 or 2, set the DIP switch, then apply power.

A PAIR AN RF WALL REMOTE

Up to 8 remotes per controller

- 1** Wire the controller per its diagram and **power it on**.
- 2** Press the controller's **Prog** button **once**.
- 3** Press **any button** on the remote. Lights **flicker once** = paired.

B PAIR THE LIGHTING LEAF APP

PHONE CHECKLIST

Bluetooth ON in the phone's settings.

Allow the Lighting Leaf app to use Bluetooth and Local Network.

Phone on **2.4 GHz Wi-Fi**, not 5 GHz.

- 1** Download "**Lighting Leaf**" from the App Store or Google Play. Register with your region and email, enter the verification code, then log in.
- 2** Press **Prog 5 times** quickly on the controller. Lights **flash twice** = pairing mode. Go straight to step 3.
- 3** In the app tap **“+” / Add Device**, then add the discovered controller. Do not use “Add Manually” or the phone's Bluetooth menu.

? APP CAN'T FIND THE CONTROLLER? SPLIT THE WI-FI BANDS

The router is likely broadcasting one network name for both 2.4 GHz and 5 GHz, and the phone is on 5 GHz.

- 1. Log into the router**
Router app, or its IP address in a browser.
- 2. Separate the bands**
Turn off Band Steering / Smart Connect. Create two SSIDs, e.g. Home_WiFi_2.4G and Home_WiFi_5G.
- 3. Reboot the router**
Wait until both networks appear.
- 4. Join 2.4 GHz**
Connect the phone to the 2.4 GHz network and stay on it until setup is complete.

FACTORY RESET

Cycle power off/on 5 times

Unplug and re-plug the power supply 5 times in a row. Clears all settings. Use it to troubleshoot or restart pairing.

3 BUILT-IN WIRELESS PATHS

Sub-1 GHz RF: long-range; remotes pair directly on a dedicated channel.

Bluetooth (BLE): finds the controller at setup, then local control.

Wi-Fi: network and remote control. The app reconnects over whichever is available.



 Scan to download.

3RD-PARTY SMART DEVICES



Use the **Smart Life** app for Amazon Alexa and Google Assistant. Scan to download.

Products may only be purchased through an authorized integration partner. Visit lightingleaf.com for current specifications and instructions.