

BEFORE YOU START:

- Please check local electrical codes before beginning
- Turn power off before installing
- Make sure to use properly rated wire

NOTE: WE RECOMMEND THAT YOU ENGAGE A QUALIFIED AND LICENSED ELECTRICIAN. ALL SYSTEM PARTS ARE COMPATIBLE WITH AND ONLY WORK TOGETHER. DO NOT ATTEMPT TO SWAP OUT OTHER MANUFACTURERS PRODUCTS. ENSURE THAT BOTH WALL SWITCH AND LED POWER SUPPLY IS GROUNDED IN ACCORDANCE WITH NEC OR LOCAL ELECTRICAL CODES.

DO NOT INSTALL IN AN APPLICATION THAT IS OUTSIDE OF THE PRODUCTS LISTED AMBIENT TEMPERATURE AND IN AN AREA THAT IS NOT EASILY ACCESSED FOR SERVICE REQUIREMENTS.

1. BEFORE YOU START, DETERMINE LOCATION OF SYSTEM PARTS:

- ❶ Wall Switch
- ❷ LED Power Supply
- ❸ Tunable White Tape (FIG. 1).

2. OVERVIEW OF SYSTEM WIRING: Consult diagram of system (FIG. 2) and how each component is connected. Complex tape installations where any number of lengths are connected to a single output is possible. (FIG. 3) For example: A kitchen undercabinet and toe kick installation from a single output is possible. So is a complex display arrangement, entertainment system, or hallway. You are only limited by your imagination and a maximum of 600 total combined watts.

NOTE: BECAUSE POWER SUPPLY IS OFTEN REMOVED IN A CONCEALED AREA, YOU MAY OPT TO WIRE BEFORE INSTALLING IT INTO MOUNTING BRACKET. IF SO, GO TO STEP 5 ON NEXT PAGE.

3. MOUNTING THE POWER SUPPLY: Determine area where power supply will be mounted. Make sure that it is well ventilated and allows for easy access to the wiring compartment. If mounting in a kitchen, make sure that it is far enough away from rising heat or heat sources so as the circuitry is not affected.

4. SECURE MOUNTING BRACKET TO SURFACE: Determine area where power supply will be mounted. Make sure that it is well ventilated and allows for easy access to the wiring compartment. Screw mounting bracket to surface using three screws provided. Angle power supply as shown in (FIG. 4) and capture top two latches. Pivot power supply and angle into bracket so that bottom latches are captured. Power supply can be removed in much the same way. Firmly grip bottom and pull out at an angle.

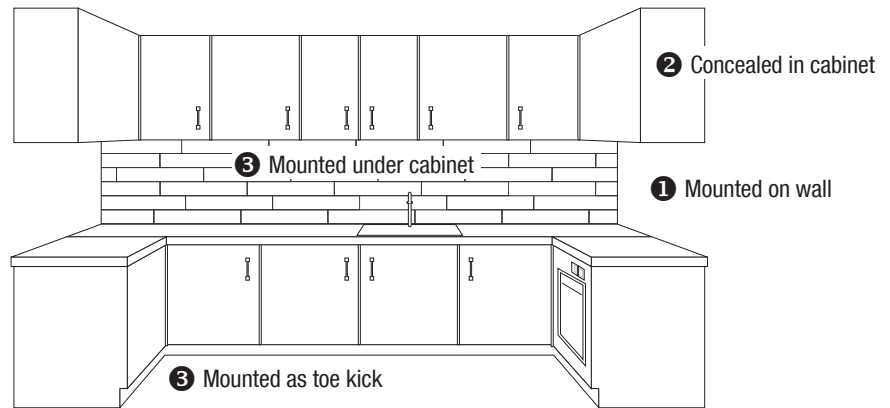


FIG. 1

FIG. 2

NOTE: LTR-S-TUN-SYS = LTR-S-TUN-24V-90W + LTR-S-TUN-SW

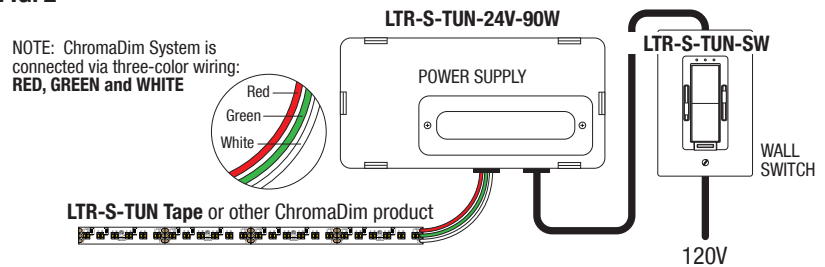


FIG. 3

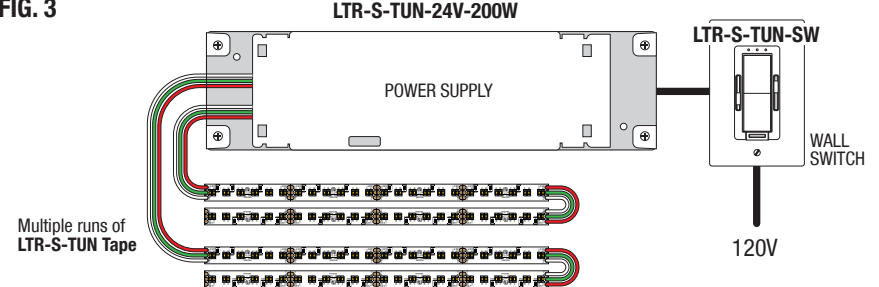
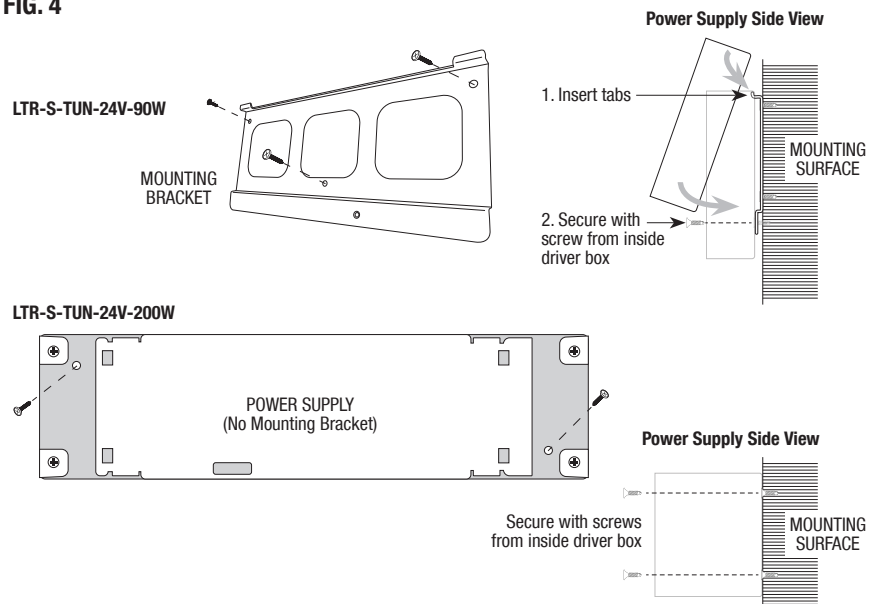


FIG. 4

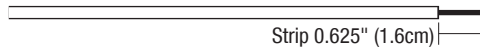


BEFORE YOU BEGIN

TO AVOID FIRE, SHOCK, OR DEATH, TURN POWER OFF AT CIRCUIT BREAKER.
TEST TO ENSURE THE POWER IS OFF BEFORE WIRING.

Step 1: Prepare Wall Box Wires

1. Make sure ends of the wires from the wall box are straight (cut if needed)
2. Strip the wire insulator for each wire inside the wall box as shown here:



Step 2: Wire Wall Switch

Connect wires according to the wiring diagram below

Wiring Description (using wire connectors)

1. Connect line voltage wires to switch and then to the LED power supply as shown.
2. Connect the LED load to the LED power supply as shown. DO NOT connect line voltage wires to the LEDs or power supply output.
3. Switches and Power Supplies must be wired as shown for proper control and pairing.

90W Output Connections

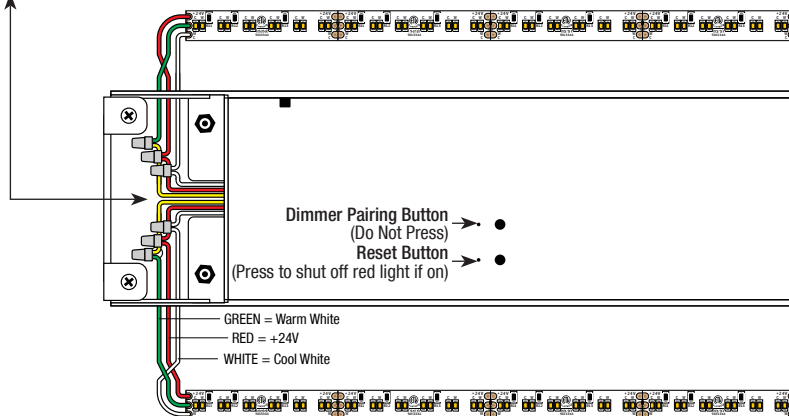
LED Wire	Power Supply	LED Connection
RED	RED (or +R terminal)	+24V
GREEN	YELLOW (or -G terminal)	Warm White
WHITE	WHITE (or -W terminal)	Cool White



LTR-S-TUN-24V-200W POWER SUPPLY

200W Output Connections

LED Wire	Power Supply	LED Connection
RED	RED	+24V
GREEN	YELLOW	Warm White
WHITE	WHITE	Cool White

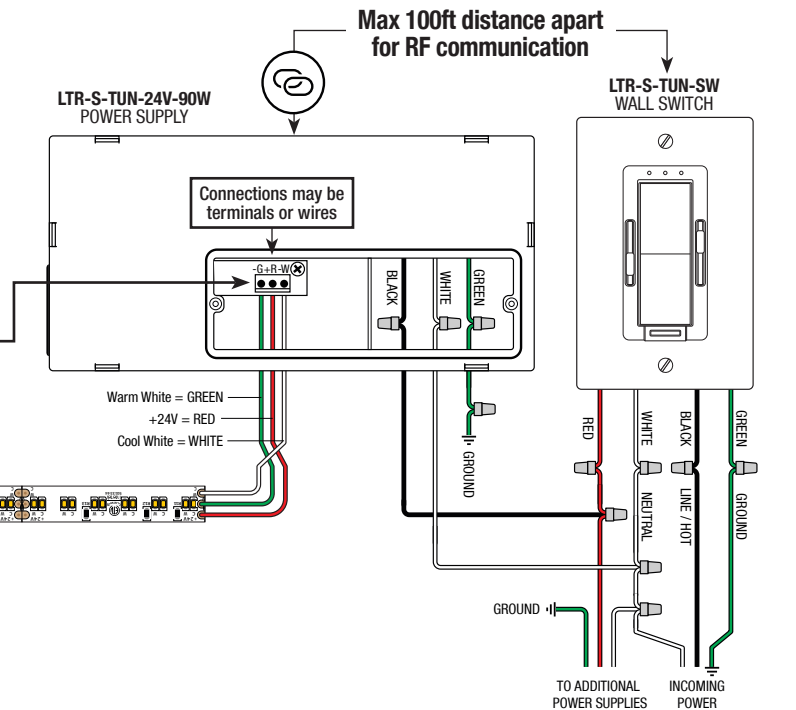


Switch and Power Supply Installation Notes

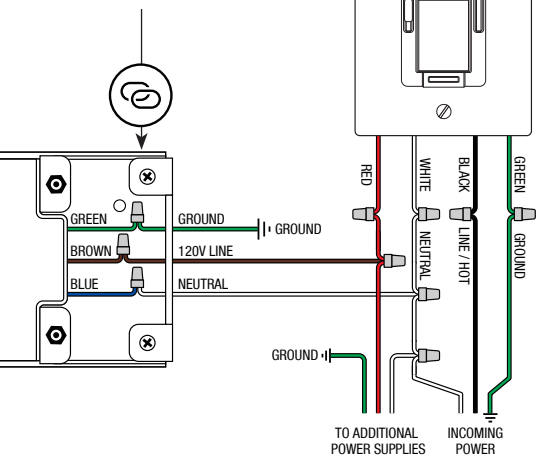
1. Switch is compatible with Decora style faceplates (by others).
2. Switch is compatible with single or multiple gang junction boxes.
3. Switch functions as a single pole switch. Not for three-way applications.
4. Use all 90W or 200W power supplies on a single switch for best performance.

Electrical Specifications

Device	Input Voltage	Max Input Current	Max Load
LTR-S-TUN-SW (Switch)	120Vac 60Hz	5.0A	600W
LTR-S-TUN-24V-90W (Power Supply)	120Vac 60Hz	0.9A	90W
LTR-S-TUN-24V-200W (Power Supply)	120Vac 60Hz	1.7A	2x 96W

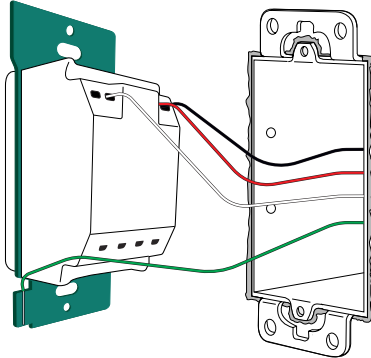


Max 100ft distance apart
for RF communication



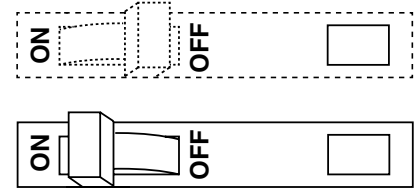
Step 3: Install and Mount Wall Switch

1. Mount the wall switch into the wall box using the appropriate screws
2. Install a Decora style wall plate. Sold by others. Wall plate not included.



Step 4: Restore Power

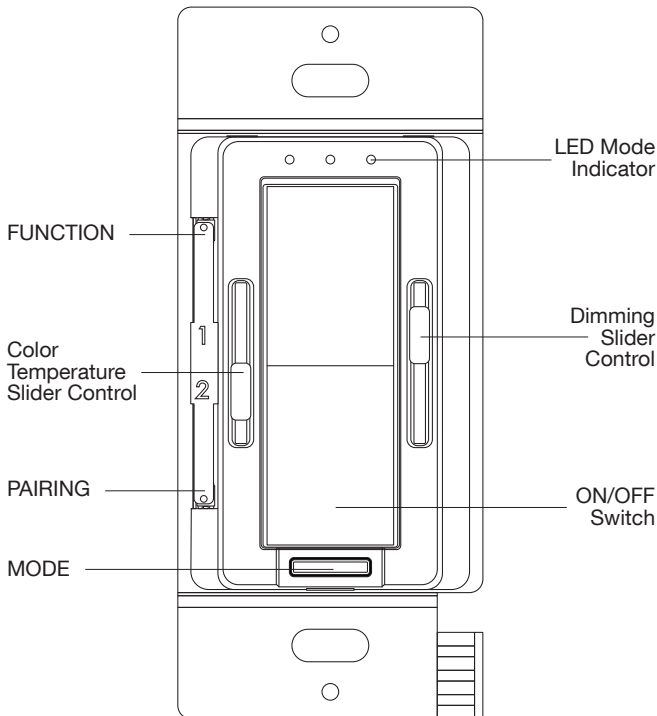
1. Turn the power ON at the circuit breaker
2. Verify 120V with a voltmeter



Pairing Switch and Power Supplies

If you are installing more than one wall switch unit, all others must be switched OFF while pairing. Pair only after switch and power supplies are wired and installed.

1. Make sure both sliders are set to the top and the wall switch is switched OFF.
 2. Turn the power ON at the circuit breaker. Blue indicator (switch) will turn on for one second and turn off.
 3. Turn on the wall switch with both sliders at top position. The green indicator (switch) turns on for one second and turn off.
 4. Short press the pair button on switch. The green indicator (switch) will blink for 15 seconds and LED luminaires will turn on. All power supplies wired to the switch will be paired at the same time.
 5. To verify a successful pairing, adjust the sliders and observe if the luminaires respond to the slider movements in synchronization.
 6. Scan the QR code to download app. Follow the instructions to connect to the LUX App.
- NOTE: If pairing is not successful, reset switch (turn on switch and long press the pairing button) and then redo steps 1 to 6.



FUNCTION Button (Switch)

Switch will turn on and blue indicator will turn on for a few seconds. Then the Green indicator will automatically turn on for a few seconds. FUNCTION button is not needed at this time.

Dimmer Function	Indicator (on for 3 seconds after mode change)
Tunable White	Green

PAIRING Button (Switch)

Use the PAIRING button to pair a switch and power supply together or reset the switch as indicated in table below.

Function	Action	ON/OFF	Indicator
Pair switch to power supply	Short press of Pair switch	ON position	Green ON until action completes (paired)
Reset Switch to unpair and restore default settings	Long press "Pair" SW until Red indicator lights	ON position	Red ON for 3 seconds then shuts off (rest)

Pairing and Resetting

MODE Button

Dimmer MODE functionality depends on the dimmer function and acts as following:

Tunable White Dimmer

The dimmer MODE switch acts as a scene selector. Each press on the MODE switch change to the next scene out of three possible scenes. A long press on the MODE switch will add new scene, or if all three scenes already set it will override the current scene.

MODE Button and Indicator LED Functionality During Normal operation:

Name	Indicator	Default Scenes (Press MODE Button)
Scene 1	Red on for 3 seconds	CCT = WARM (0% slider), Brightness = 100%
Scene 2	Green on for 3 seconds	CCT = COOL (100% slider), Brightness = 100%
Scene 3	Blue on for 3 seconds	CCT = (50% slider), Brightness = 100%

NOTE: MODE button setting will override the manual slider or App settings until another change is made.

To Set a Custom Scene:

1. Select a scene (1, 2 or 3) with the MODE button.
2. Select a color temperature and brightness setting.
3. A long press of the MODE button will set the custom scene.



**Download
the App!**



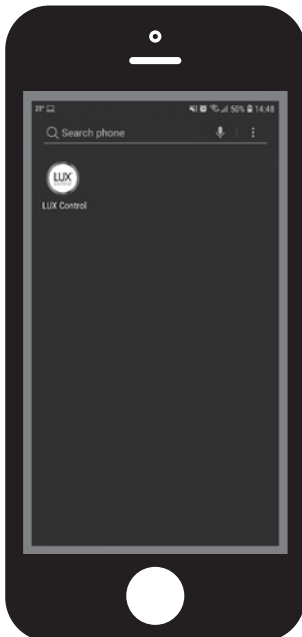
Connect to the GM Lighting LUX App

Scan the QR code to download the App.
 Follow the instructions to connect to the LUX App

App Notes:

The App settings WILL follow changes to the the wall switch settings. The Wall Switch WILL NOT follow App changes, but will give full control if the switch settings are changed.

All of the power supplies and switches will appear in the App. The App automatically groups the paired power supplies for that switch. Only the switch will be controllable in the App. Do not try to control individual power supplies.



Troubleshooting

Symptoms	Cause	Possible Solution
Wall switch LED indicator blinking RED	The PAIRING button is pressed while the wall switch is OFF	Turn ON the wall switch and press the PAIRING button again
Wall switch LED indicator steady RED	The wall switch is trying to perform pairing	Turn ON the wall switch until pairing is completed
Lights do not respond to wall switch	The breaker is OFF or tripped	Turn power ON at the circuit breaker
	Improper pairing	Perform "pairing"
	Improper wiring	Make sure all wires are connected according to the wiring diagram
	Short circuit at the power supply output	Check LED driver output for short circuits
The wall switch is controlling the wrong lights (Only if multiple wall switches units are installed in the same location)	The wall switch was paired with the wrong power supply	Perform "pairing" Make sure all the other wall switches are turned OFF while pairing
Wall switch / power supply replacement	Any reason	Perform "pairing" Make sure all the other wall switches are turned OFF while pairing

To reduce the risk of overheating and possible damage to other equipment, do not install to control a receptacle, a motor-operated appliance, or a transformer-supplied appliance.

FCC/IC Information

This device complies with Part 15 of the FCC Rules.
 Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.