

## INSTALLATION INSTRUCTIONS SPTL-RGBTW-4MKIT



### ⚠ WARNING

These products may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with these instructions, current electrical codes, and/or the current National Electric Code (NEC).

### ⚠ WARNING

Use only included 24V DC driver. Factory warranty will be void if used with a non-recommended power supply, transformer, or driver.

### ⚠ WARNING

To reduce the risk of fire, electric shock or injury to persons, make sure that the electrical power to the system is disconnected at the source prior to installation or any servicing.

### ⚠ WARNING

Never fold Trulux® tape light or bend past the minimum bending radius of 1" whether lighted or unlighted.

### SAFETY INFORMATION

- Read all installation instructions before beginning; if not qualified, do not attempt installation. Contact a qualified electrician.
- To reduce the risk of fire, electric shock, or injury to persons, pay close attention to this manual and stay within its guidelines when using this product. Save these instructions for future use.
- Do not cover this product as the covering may cause rope to overheat, melt, or ignite.
- Do not operate tape light while on the reel, nor while it is coiled.
- This IP54 rated tape light is cULus Listed and suitable for indoor use in dry and damp locations, but not for direct contact with water or moisture.
- Do not submerge flexible light in liquids nor use the product in the vicinity of standing water or other liquids, or where water can accumulate.
- Do not route the cord or tape light through walls, ceilings, doors, windows, or any similar part of the building structure.
- Secure tape light using only the attached adhesive strip.
- Do not secure this product or its cord with staples, nails, or like means that may damage the outer jacket or cord insulation.
- Do not use if there is any damage to the tape light, LED diodes, or power cord insulation; inspect periodically.
- Do not install on gates or doors, or where subject to continuous flexing.
- Do not install in tanks or enclosures of any kinds.
- This kit includes a 24V DC plug-in power supply (3A) that is cULus Listed for dry location use. Use only the power supply provided. This power supply allows for a maximum run of 13.1 feet of tape light. Do not exceed 13.1 feet of tape light in any single run.
- The remote controller included utilizes Bluetooth wireless technology and a 3V CR2032 battery; only replace with same battery type. Please dispose of batteries properly. Batteries are not a toy! If swallowed, contact local emergency services immediately.

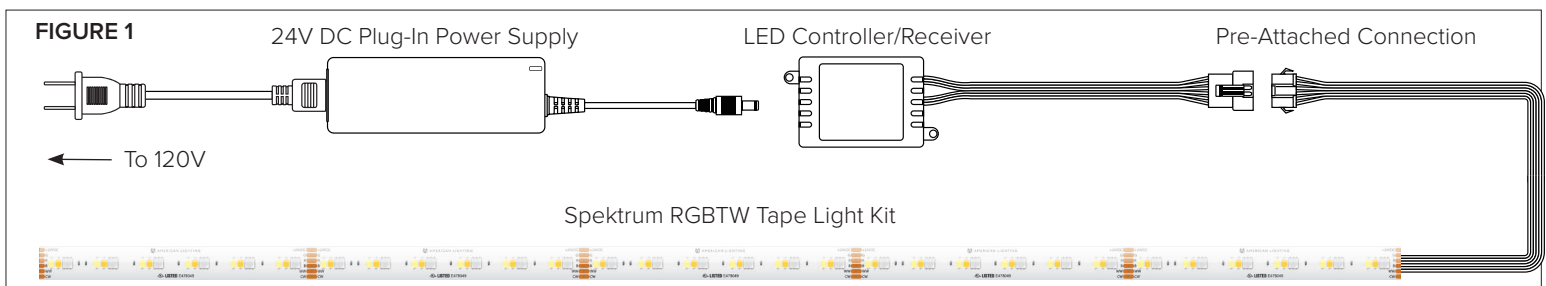
### KIT CONTENTS:

- |  |                                       |
|--|---------------------------------------|
| (1) 13.1ft (4m) Reel of RGBTW IP54 (unjacketed) tape light | (1) 15ft Reel of 20AWG wire           |
| (1) 3A In-line LED Controller/Receiver                     | (3) Tape-to-Tape clamshell connectors |
| (1) RGBTW Remote Control w/Bluetooth Wireless Technology   | (3) Tape-to-Tape 6" jumper connectors |
| (1) 24V DC Power Supply (3A)                               |                                       |

### INSTALLING TAPE LIGHT (See Figure 1):

Make all connections and mount in place prior to providing power to system. Tape Light includes a 3M adhesive backing: Allow adhesive to cure 24 hours prior to first use. This product is designed to be mounted to a smooth, clean, non-moving surface.

1. Determine the placement of tape light and whether there will be cuts, splices, or jumpers needed. Make any cuts, splices, or jumps prior to moving on to Step 2. See CUTTING & LINKING SPEKTRUM TAPE LIGHT KITS on next page for more information on cutting and/or linking Tape Light. Consider the placement of the power supply and ensure there is no tension from start of tape light to power supply.
2. Peel the protective backing from the tape light and press the tape light into place. For best results, once the VHB protective sheet is removed, the tape should not be repositioned, removed, or re-used.
3. Connect the mating DC plugs from the start of the tape light reel to the LED controller/receiver.
4. Connect the mating DC plugs from the LED controller/receiver to the DC power supply.
5. Plug DC power supply into standard 120V wall socket.



### LAYOUT CONSIDERATIONS:

Pay close attention to the following tape light maximum run lengths. Use only the 24V DC power supply provided.

Tape Light Series	Wattage	Reel Length	Cuttability	Tape Light Kit Maximum Run
SPTL-RGBTW Series	7W/ft	13.1 feet (4m)	Every 3.56"	13.1 feet (4m)

## INSTALLATION INSTRUCTIONS

SPTL-RGBTW-4MKIT



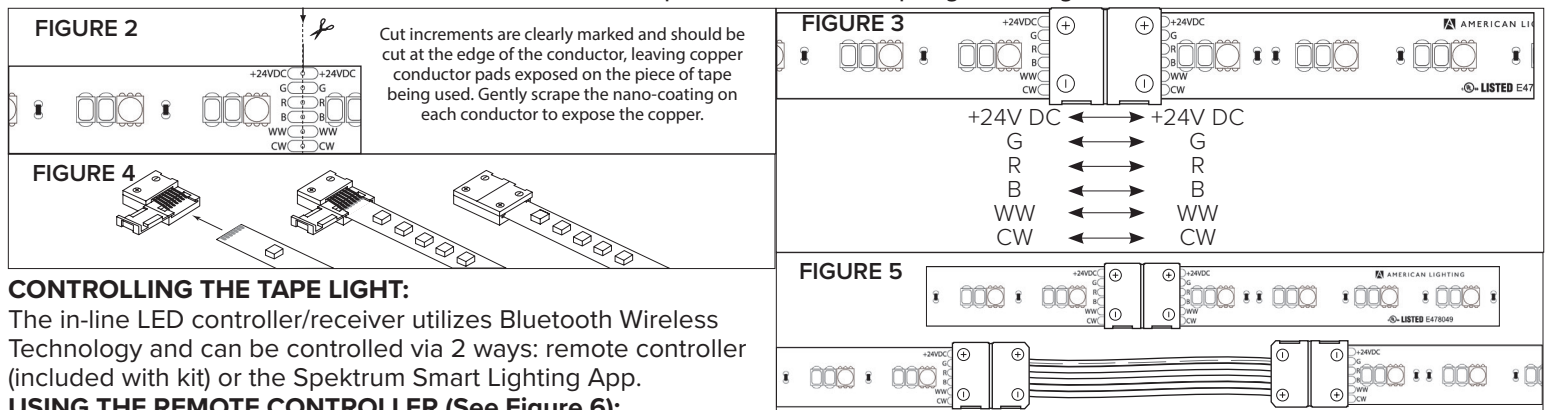
### CUTTING & LINKING SPEKTRUM TAPE LIGHT KITS (See Figures 2-5):

Do not exceed the maximum tape light run length of 13.1 feet in any single run. Use only the 24V DC power supply provided.

Cut increments are clearly marked on the tape light (every 3.94"). Ensure an even cut along the edge of the copper conductors, leaving the exposed copper conductor on the piece of tape light to be used, to ensure enough surface area is exposed for snap connector pins to make contact (see Figure 2). When using clamshell connectors, gently scrape off a small amount of the nano-coating that covers each of the 6 conductors on the tape light to ensure a solid connection.

### Making a Tape-to-Tape Connection (See Figures 3-5):

1. Ensure the polarity of the conductors on the two pieces of tape light to be connected are aligned. See Figure 3.
2. Using a tape-to-tape clamshell connector, open both sides of the connector so the metal prongs inside are exposed. See Figure 4.
3. Peel a small portion of the protective backing from the tape light on the end to be connected, then insert cut tape light end so the copper pad conductors are aligned with the metal prongs inside.
4. Close clamshell connector and ensure the connector "snaps" closed over the tape light. See Figure 4.



### CONTROLLING THE TAPE LIGHT:

The in-line LED controller/receiver utilizes Bluetooth Wireless Technology and can be controlled via 2 ways: remote controller (included with kit) or the Spektrum Smart Lighting App.

### USING THE REMOTE CONTROLLER (See Figure 6):

Do not remove protective film from battery compartment until ready to use. This remote includes a 3V CR2032 battery, only replace with the same type battery. Please dispose of old batteries properly. Handheld remote can be used in conjunction with the app or independently.

**USING REMOTE WITH SPEKTRUM APP:** First, add all lighting devices to be controlled by the handheld remote to a room prior to adding the remote by following the Spektrum Smart Lighting App Guide. Add the remote by selecting "Add Device", then pressing the On/Off + CCT button together to enter configuration mode. Follow the app instructions to finish binding the remote.

### SYNC REMOTE DIRECTLY TO DEVICE (INDEPENDENT OF APP):

Press CCT and ON/OFF together, the red indicator light behind the buttons will twinkle.

**DISTANCE OF CONTROL CAPABILITY:** 25 meters

**RESET THE REMOTE CONTROLLER:** Press and hold ON/OFF for 15 seconds, the red indicator light will flash once reset

### USING THE SPEKTRUM SMART LIGHTING APP:

Please follow the Spektrum Smart Lighting App guide included.

### TO RESET THE LIGHTING DEVICE TO FACTORY SETTINGS:

Turn the device on and off 10 times using the DC barrel connector (located between the power supply and the LED controller/receiver; see Figure 1). Flashing light indicates successful reset.

### FCC Compliance Statement

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, and
2. This device must accept any interference received, including interference that may cause undesired operation.

### FCC WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

