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> American Lighting Trulux IP54 High-Output LED Tape Light Reel, Warm White 3000K, 100ft (Model HTL-WW-100) Instruction Manual

American Lighting HTL-WW-100

American Lighting Trulux IP54 High-Output LED Tape Light Reel Instruction Manual

Model: HTL-WW-100 | Brand: American Lighting

INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your American Lighting Trulux IP54 High-Output LED Tape Light Reel, Warm White 3000K, 100ft (Model HTL-WW-100). Please read all instructions carefully before installation and retain this manual for future reference.



Image: The Trulux IP54 High-Output LED Tape Light Reel, showing the flexible LED strip with individual LED chips and connection points.

The Trulux High-Output LED Tape Light is designed for versatile lighting applications, offering high lumen output and excellent color rendering. It is suitable for both residential and commercial use.

SAFETY INFORMATION

WARNING: Risk of Fire or Electric Shock

- 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 National Electric Code (NEC).
- 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 tape to overheat, melt, or ignite.
- Do not operate Trulux on the reel, nor while it is coiled.
- This IP54 rated tape light is 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, or 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 the adhesive attached or with attached adhesive and factory recommended extrusions (sold separately).
- Do not secure this product or its cord with staples, nails, or like means that may damage the LED's or cord insulation.
- Do not use if there is any damage to the tape light, diodes or power cord insulation. Inspect periodically.
- Do not install in places or doors, or where subject to continuous flexing.
- Do not install in tanks or enclosures of any kinds.
- Size your 24V or 12V DC driver appropriately for your run distance. Be sure not to load a driver to 100% as this will reduce its efficiency. A 90% maximum load is recommended. See SELECTING POWER SUPPLY on page 2 and use driver chart as directed.
- Pay close attention to the maximum run lengths. See SELECTING POWER SUPPLY chart on page 2.

WARNING: Risk of Overheating

- Use only with 12V or 24V DC drivers with a wattage capacity that can handle the total load. See page 2 for more details. Factory warranty will be voided with a non-recommended power supply, transformer or driver.

WARNING: Risk of Electric Shock

- 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.

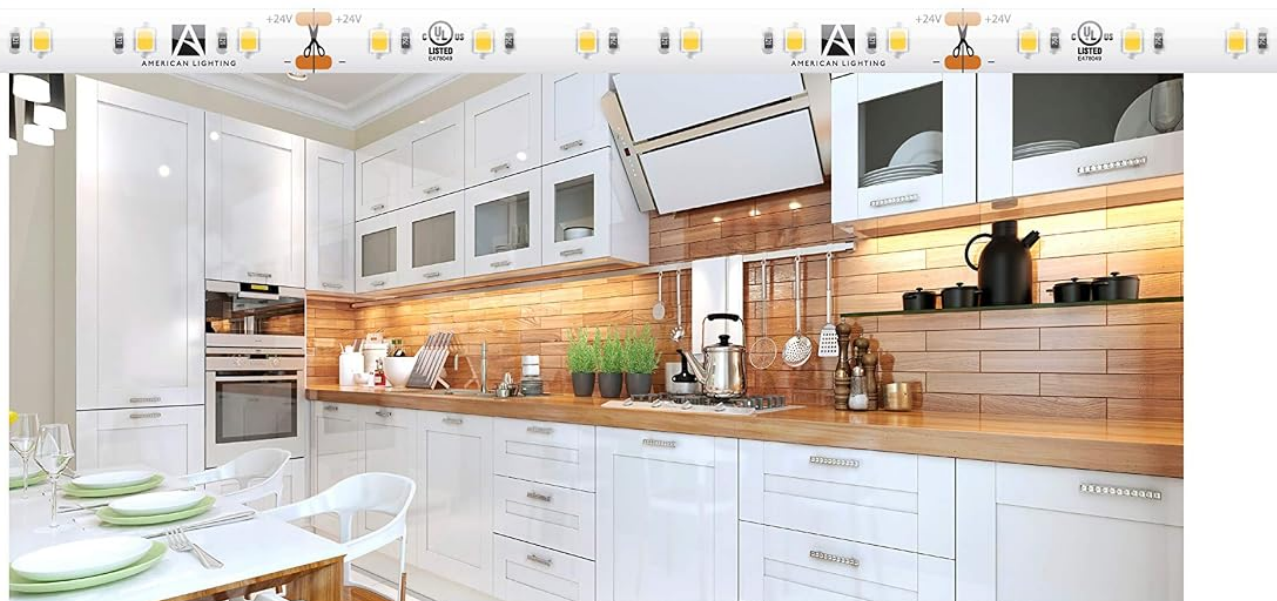
WARNING: Product Damage

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

Additional Safety Measures:

- Route and secure cords so that they will not be pinched or damaged in any way.
- LEDs are bright. Do not look directly at lighted tape light.
- **Important Note:** The National Electrical Code (NEC) does not permit cords to be concealed where damage to insulation may go unnoticed. To prevent fire danger, do not run cord behind walls, ceilings, soffits, or cabinets where it may be inaccessible for examination. Cords should be visually examined periodically and immediately replaced when any damage is noted.

PRODUCT FEATURES



Features

- Excellent color rendering (96+ CRI)
- Color temperatures from 2400K to 4000K
- 200-310 lumens per foot performance
- Consumes only 4.6 watts per foot
- Dimmable with ELV dimmers
- Cuttable every 3.94"
- 22 foot max run
- (IP54) unjacketed or (IP65) jacketed versions
- 50,000 hours rated life

Available CCT



Control Options

- Trulux Single Color Controls
Requires Adaptive Driver + Trulux Receiver
- Primary Side Dimming
Requires Standard Dimmer + Adaptive Driver

Listing / Ratings



TRULUX™ High Output - 24V

Our most popular tape light option, the High Output series is a go to for most applications in part to the great lumen output with a slightly longer max run. With up to 310 lumens a foot and a max run up to 22 feet, High Output tape light provides a perfect blend of lumens, light quality, and color temperature options for multiple applications.

Technical Information

Series	HTL
Input Voltage	24V
CCT	2400K / 2700K / 3000K / 4000K
CRI	96+
Wattage	4.6W per ft
Lumens	Up to 310lm per ft
Max Run	22 feet
Cuttable	Every 3.94"
IP Rating	IP54 (unjacketed) / IP65 (jacketed)
Dimmable	5-100%
Rating	cULus Listed
Rated Life	50,000 hrs

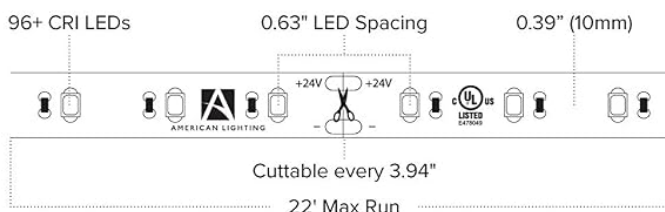


Image: Trulux LED tape light installed under kitchen cabinets, providing warm white illumination to the countertop and backsplash.

- **Superior Color Rendering:** 3000K Warm White CCT LED tape provides best-in-class color rendering (96+ CRI), creating a natural light that displays colors accurately.
- **High Performance:** Dimmable 24-Volt Lighting consumes only 4.6 watts per foot with up to 300 lumens per foot for brilliant lighting in residential and commercial applications.
- **Professional Grade:** IP54 versatile LED tape light with run lengths up to 22 feet (cuttable every 3.94 inches).

Dimmable 5-100% with electronic Low Voltage (ELV) dimmers. cULus Listed.

- **Versatile Applications:** Ideal for task or accent lighting, edge lighting, outlining, cabinetry, shelving, coves, staircases, toe kicks, railings, retail display cases, and more.
- **Installation Hardware Included:** HTL (IP54) 100ft Reels include: Attached 3ft lead wires, (5) TL-CONKIT (Connector Kits) and (5) TL-BKS (Connector Blocks). Surface mounts via attached 3M VHB adhesive tape.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your Trulux LED Tape Light. Follow these steps carefully.

Power Connection Options

The 100ft reels include attached 3ft snap-style lead wires. You can use the included (5) TL-CONKIT (Connector Kits) and (5) TL-BKS (Connector Blocks) for connections. Alternatively, you can build your own custom length jumpers or connectors (see Figure 2) using 4-in-1 connector blocks (TL-BLKS, sold separately as bags of 10 connectors) and wire (not included, 18-20AWG wire is recommended). You can also use the 4-in-1 connector block as a splice connector (see Figure 2).



INSTALLATION INSTRUCTIONS

STL-UWW/WW/WH-100, STL-WW-100-12V, HTL-UWW/WW-100

**⚠ 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 with 12 or 24V DC drivers with a wattage capacity that can handle the total load; see page 2 for more details. 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®; 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 tape to overheat, melt, or ignite.
- Do not operate Trulux on the reel, nor while it is coiled.
- This IP54 rated tape light is 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, or 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 the adhesive attached or with attached adhesive and factory recommended extrusions (sold separately).
- Do not secure this product or its cord with staples, nails, or like means that may damage the LEDs or cord insulation.
- Do not use if there is any damage to the tape light, 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.
- Size your 12V or 24V DC driver appropriately for your run distance. Be sure not to load a driver to 100% as this will reduce its efficiency; a 90% maximum load is recommended. See SELECTING POWER SUPPLY on page 2 and use driver chart as directed.
- Pay close attention to the maximum run lengths. See SELECTING POWER SUPPLY chart on page 2.

POWER CONNECTION OPTIONS

The 100ft kits include either (3) IP54 snap style conkits (TL-PWR with 6" leads - Figure 1) or (3) conkits using the new 4-in-1 connector block (TL-CONKIT with 3ft of 18AWG lead wire). Snap style jumpers are available in 6", 12", and 24" lengths (TL-2JUMP-5, TL-2JUMP-1, AND TL-2JUMP-2 respectively, sold separately) or you can build your own custom length jumpers or conkits (See Figure 2) using 4-in-1 connector blocks (TL-BLKS, sold separately as bags of 10 connectors) and wire (not included, 18-20AWG wire is recommended). You can also use the 4-in-1 connector block as a splice connector (See Figure 2).

FIGURE 1

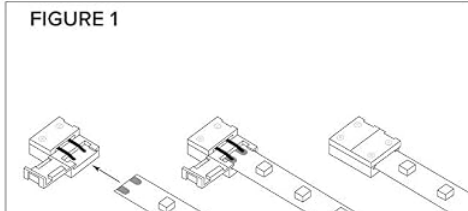


FIGURE 2

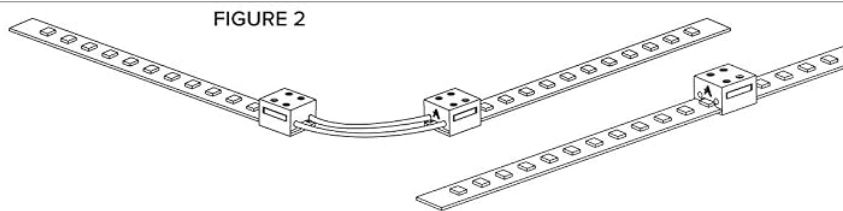
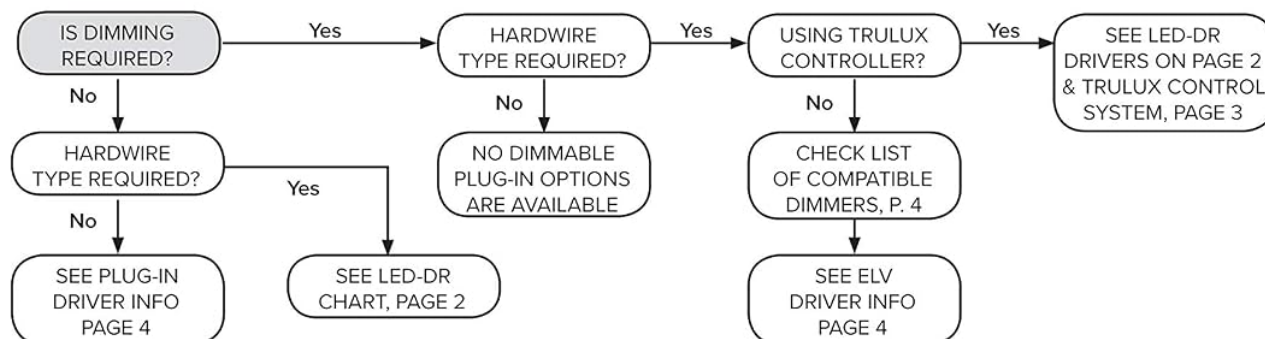
**SELECTING POWER SUPPLY**

Image: Page 1 of the installation instructions, detailing safety warnings and power connection options with diagrams (Figure 1 and Figure 2).

Figure 1: Snap-style connector kit components.**Figure 2: Example of a splice connector using a 4-in-1 connector block.**

Selecting Power Supply

It is essential to select the correct 12V or 24V DC driver based on the total load and run distance. Do not load a driver to 100%; a 90% maximum load is recommended for efficiency.

12V &
24V

TRULUX® SINGLE COLOR (IP54 100ft Reels)



AMERICAN LIGHTING
BRIGHT IDEAS • INNOVATIVE SOLUTIONS

INSTALLATION INSTRUCTIONS

STL-UWW/WW/WH-100, STL-WW-100-12V, HTL-UWW/WW-100



LED-DR DRIVERS FOR TRULUX® CONTROLLERS

Calculate the load and make sure to select a driver that can handle the total load. Use the chart below to select the driver.

Distances for LED-DR 12V DC power supplies in Trulux Control System Applications - 5% MINIMUM load and 90% MAXIMUM load						
12V Trulux Reels	Watts Per Foot	Max Run	LED-DR30-12	LED-DR60-12	LED-DR100-12	LED-DR150-12
STL-WW-100-12V (3.94" cut marks)	2.7W/ft	27'	0.7ft - 7.6ft (2.3 - 26.4 watts)	7.9ft - 15.4ft (27.6 - 54 watts)	15.8ft - 25.6ft (55.2 - 89.6 watts)	25.9ft - 38.4ft (90.8 - 134.5 watts)

*For run distances that exceed the max run of 27 feet, consider locating the drive in a central location and splitting the run in half.

Distances for LED-DR 24V DC power supplies in Trulux Control System Applications - 5% MINIMUM load and 90% MAXIMUM load						
Trulux Series	Watts Per Foot	Max Run	LED-DR30-24	LED-DR60-24	LED-DR100-24	LED-DR150-24
STL Series, 24V (6.56" cut marks)	2.7W/ft	32.8'	1.09ft - 9.86ft (2.96 - 26.6 watts)	10.4ft - 19.7ft (28.1 - 53.3 watts)	20.3ft - 32.8ft (54.7 - 88.8watts)	33.4ft** - 49.9ft** (90.2 - 134.6 watts)
HTL Series, 24V (3.94" cut marks)	4.6W/ft	22.0'	0.98ft - 5.58ft (4.5 - 25.7 watts)	5.91ft - 11.5ft (27.2 - 52.8watts)	11.8ft - 19.4ft (54.3 - 89 watts)	19.7ft - 29.2ft** (90.6 - 134.3 watts)

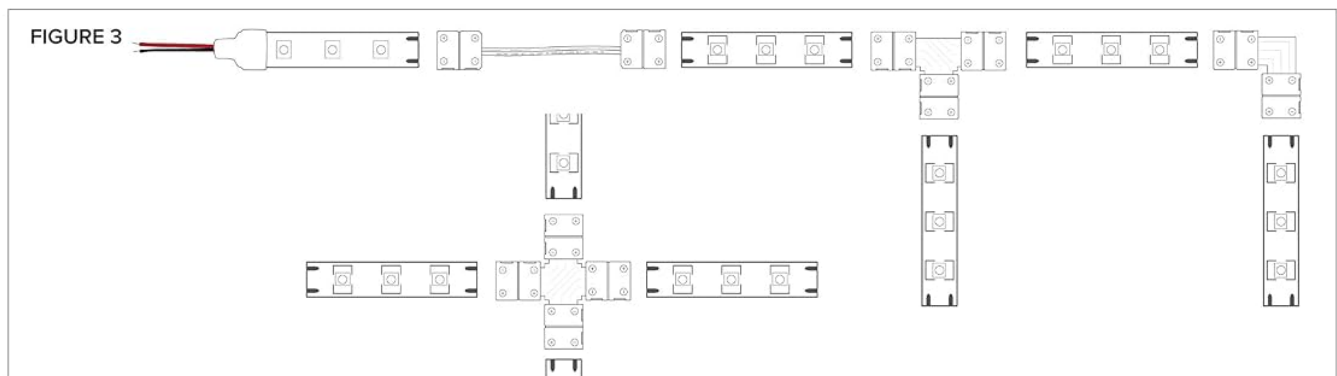
**For run distances that exceed the max run distance, consider locating the driver in a central location and splitting the run in half.

CONNECTING AND MOUNTING TRULUX SECTIONS:

This product is designed to be mounted to a smooth, clean, non-moving surface. For best adhesion to surface, once Trulux backing is removed, it should be placed on mounting surface and not be repositioned or removed and re-used.

1. Peel the protective backing from the tape light and press the first piece of Trulux into place, starting with intersections ("L", "T", or "X" connections), where applicable. Compatible clip connectors include TL-2SPL, TL-2L, TL-2T, and TL-2X. Jumpers (TL-2JUMP-5, TL-2JUMP-1, and TL-2JUMP-2) are also available, sold separately or use TL-BLKS (4-in-1 connectors, bag of 10) to make splice connectors and/or custom jumpers using your own 18AWG wire.
2. For extending any piece, connect a snap connector or block connector on the preceding piece by sliding the tape light end completely into the connector, ensuring the tape light is underneath the metal conductors, and closing the clip or tightening the terminal screw securely over the tape light until the tape is secure in the connector.
3. Attach the next Trulux section to the clip connector/jumper in a similar manner.
4. Mounting clips with screws are also available (TL-CLIPS-15, sold separately) to secure tape light in place. The attached VHB adhesive is suitable for most installations, however. For best results, allow 24 hours for the adhesive to "cure" to the mounting surface before using lights.
5. See page 3 for power supply and receiver connection.

TAPE LIGHT LAYOUT EXAMPLES USING L, T AND X CONNECTORS - See Figure 3



Driver Selection Guide:

Distances for LED-DR 12V DC power supplies in Trulux Control System Applications - 5% Minimum Load and 90% Maximum Load

12V Trulux Reels	Watts Per Foot	Max Run	LED-DR30-12	LED-DR60-12	LED-DR100-12	LED-DR150-12
STL-WW-100-12V (3.94" cut marks)	2.7W/ft	27'	0.7ft - 7.6ft (2.3 - 26.4 watts)	7.9ft - 15.4ft (27.6 - 54 watts)	15.8ft - 25.6ft (55.2 - 89.6 watts)	25.9ft - 38.4ft (90.8 - 134.5 watts)

*For run distances that exceed the max run of 27 feet, consider locating the drive in a central location and splitting the run in half.

Distances for LED-DR 24V DC power supplies in Trulux Control System Applications - 5% Minimum Load and 90% Maximum Load

Trulux Series	Watts Per Foot	Max Run	LED-DR30-24	LED-DR60-24	LED-DR100-24	LED-DR150-24
STL Series, 24V (6.56" cut marks)	2.7W/ft	32.8'	1.09ft - 9.68ft (2.96 - 26.6 watts)	10.4ft - 19.7ft (28.1 - 53.3 watts)	20.9ft - 32.8ft (54.7 - 88.8 watts)	33.4ft** - 49.9ft** (90.2 - 134.6 watts)
HTL Series, 24V (3.94" cut marks)	4.6W/ft	22.0'	0.98ft - 5.58ft (4.5 - 25.7 watts)	5.91ft - 11.5ft (27.2 - 52.8 watts)	11.8ft - 19.4ft (54.3 - 89 watts)	19.7ft - 29.2ft** (90.6 - 134.3 watts)

**For run distances that exceed the max run distance, consider locating the driver in a central location and splitting the run in half.

Mounting and Connecting Trulux Sections

1. This product is designed to be mounted to a smooth, clean, non-moving surface. For best adhesion to surface, once Trulux backing is removed, it should be placed on mounting surface and not be repositioned or removed and re-used.
2. Peel the protective backing from the tape light and press the first piece of Trulux into place, starting with intersections (TL-"T"), or "X" connections where applicable. Compatible clip connectors include TL-2JUMP-1, TL-2JUMP-2, TL-2JUMP-5, and TL-2JUMP-6.
3. For extending any piece, connect a snap connector or block connector on the preceding piece by sliding the tape light end completely into the connector, ensuring the tape light is underneath the metal conductors, and closing the clip or tightening the terminal screw securely over the tape light until the tape is secure in the connector.
4. Attach the next Trulux section to the clip connector/jumper in a similar manner.
5. Mounting clips with screws are also available (TL-CLIPS-15, sold separately) to secure tape light in place. The attached VHB adhesive is suitable for most installations; however, for best results, allow 24 hours for the adhesive to "cure" to the mounting surface before using light.
6. See page 3 for power supply and receiver connection.

Tape Light Layout Examples using L, T and X Connectors - See Figure 3



INSTALLATION INSTRUCTIONS

STL-UWW/WW/WH-100, STL-WW-100-12V, HTL-UWW/WW-100



CONTROLLER OVERVIEW

Trulux® controllers are available to dim and control power to single color Trulux®. They use Radio Frequency (RF) signals that are detected by a receiver. Each controller requires a receiver (REC-5A-4Z, sold separately). See controller instructions for more details.

NOTE: The following controllers are compatible with the single color IP65 tape light. Alternatively, use the Trulux application with one or more WIFI receivers (REC-5A-4Z-WIFI); one receiver is needed for each zone.

Visit www.americanlighting.com/truluxapp.html for a direct access link or visit the App Store or Google play marketplace to download the Trulux application.

1. Determine which controller is best suited for your application. See list below.
2. Select a receiver for each zone. For RF controllers, use one REC-5A-4Z for each zone. For the Trulux app, use one REC-5A-4Z-WIFI for each zone. For WIFI setups with 2-8 zones, you will need a WIFI hub (WIFI-RF-8, sold separately). You can use a REC-5A-4Z-WIFI in conjunction with wall mount and/or handheld controllers, in addition to using the App.

CONTROLLER	POWER TO CONTROL	RECEIVER ITEM #	CAPACITY	POWER TO RECEIVER
SRF-BATT (White, dial)	3V Battery (CR203, included)	REC-5A-4Z	1 zone, 5A max	12-24V DC input
SRF-4Z-3P (White, touch)	24V DC input (not 120V!)	REC-5A-4Z	4 zones, 5A max	12-24V DC input

See Figure 4 for an example of a multiple zone system. However, note that you can have receivers “learn” which zone they control, so if you teach them all to respond to one zone, then Figure 4 represents a single zone system that has multiple runs of Trulux.

See Figure 5 for an example of multiple receivers connected to multiple runs of tape light. You can connect receivers to their own drivers or daisy chain them together as shown in Figure 5, as long as the total connected load does not exceed 90% of the capacity of the driver.

FIGURE 4

Supply the receiver at right with 12-24V DC power, matching polarity: red = (+); black = (-)

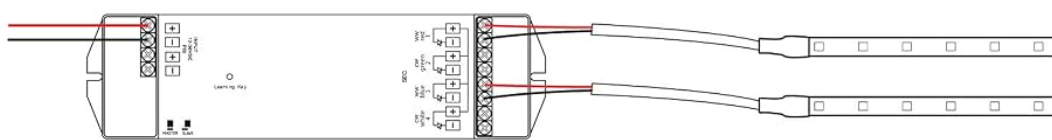


FIGURE 5

Connect this receiver to your driver, such as LED-DR150-24, matching polarity: red = (+); black = (-)

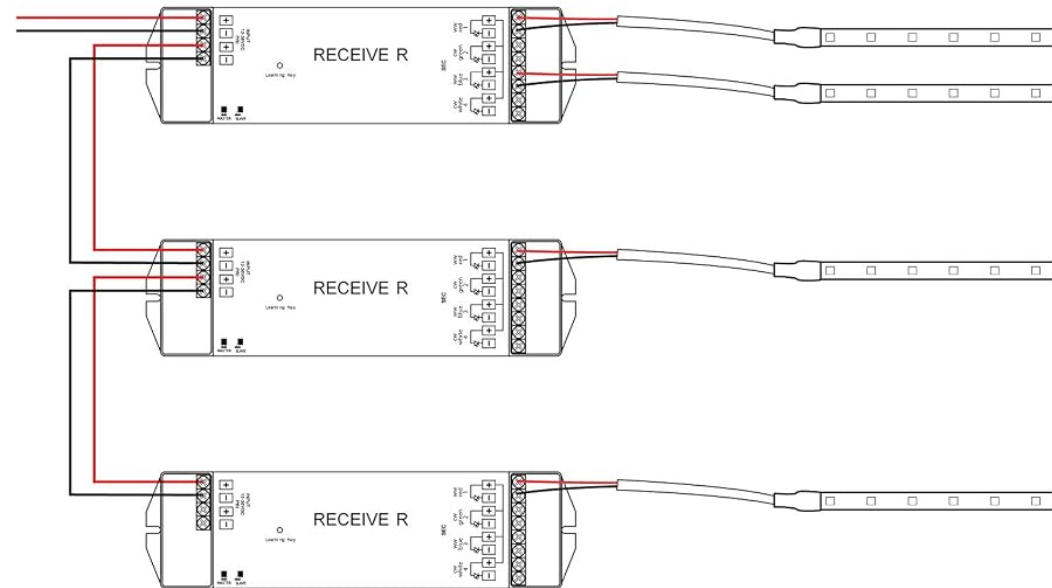


Image: Page 3 of the installation instructions, illustrating various tape light layout examples using L, T, and X connectors (Figure 3), and diagrams for connecting to a receiver (Figure 4 and Figure 5).

Controller Overview (Trulux Single Color IP54 100ft Reels)

Trulux® controllers are available to dim and control power to single color Trulux®. They use Radio Frequency (RF) signals that are detected by a Trulux RF receiver (REC-SA-4Z, sold separately). See controller instructions for more details.

Note: The following controllers are compatible with the single color IP65 tape light. Alternatively, use the Trulux

application with one or more WiFi receivers (REC-SA-4Z-WIFI); one receiver is needed for each zone.
Visit americanlighting.com/truluxapp.html for a direct access link or visit the App Store or Google Play marketplace to download the Trulux application.

1. Determine which controller is best suited for your application. See list below.
2. Select a receiver for each zone. For RF controllers, use one REC-SA-4Z for each zone. For the Trulux app, use one REC-SA-4Z-WIFI for each zone. For WiFi setups with 2+ zones, you will need a WiFi hub (WIFI-RF-S, sold separately). You can use a REC-SA-4Z-WIFI in conjunction with wall mount and/or handheld controllers, in addition to using the App.

Controller Specifications				
Controller	Power to Control	Receiver Item #	Capacity	Power to Receiver
SRF-BATT (White, dial)	3V Battery (CR203), included	REC-SA-4Z	1 zone, 5A max	12-24V DC input
SRF-4Z-3P (White, touch)	24V DC input (not 120V!)	REC-SA-4Z	4 zones, 5A max	12-24V DC input

See Figure 4 for an example of a multiple zone system. However, note that you can have receivers "learn" which zone they control, so if you teach them all to respond to one zone, then Figure 4 represents a single zone system that has multiple runs of Trulux.
See Figure 5 for an example of multiple receivers connected to multiple runs of tape light. You can connect receivers to their own drivers or daisy chain them together as shown in Figure 5, as long as the total connected load does not exceed 90% of the capacity of the driver.

Figure 4: Supply the receiver at right with 12-24V DC power, matching polarity: red = (+); black = (-).
Figure 5: Connect this receiver to your driver, such as LED-DR150-24, matching polarity: red = (+); black = (-).

Alternate Control Systems

Controlling Tape Via Non-Trulux Brand Wall Dimmer

1. Confirm which wall dimmer is to be used and check its level of compatibility below.
2. Select ELV driver by multiplying total number of feet by watts per foot based on type of tape. To use non-Trulux dimmers, the ELV driver must be used and the load has to be 60% minimum and 90% maximum of the driver's capacity.
3. Follow markings on the LED-DR driver to locate input and secondary sides. Follow marks for connecting 120V AC supply power and 24V DC output to red/black lead wires on power connector, matching polarity: Red = positive and Black = negative.

Compatible Non-Trulux Dimmers			
Brand	Dimmer Type	Dimmer Model #	Dimming Range
Lutron Diva	Electronic Low Voltage	DVELV-300P-LA	10-100%
Lutron Diva	Multi	ADTP-RFMTU	15-100%
Legrand	Incandescent	6613	0-100%
Leviton Sureslide			20-100%

Using Plug-in Power Supply for Trulux (Non-Dimming)

1. Select plug-in driver by multiplying total number of feet by watts per foot based on type of tape. The total load should be at least 5% of the driver's capacity, but not more than 90%.
2. Attach the DC power lead adapter (not included with 100ft reels) to the existing lead matching polarity. Attach DC

jack from this power cord to DC jack of plug-in power supply (sold separately). Plug power supply into 120V AC power source.

12V &
24V

TRULUX® SINGLE COLOR (IP54 100ft Reels)



AMERICAN LIGHTING
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INSTALLATION INSTRUCTIONS

STL-UWW/WW/WH-100, STL-WW-100-12V, HTL-UWW/WW-100



ALTERNATE CONTROL SYSTEMS

CONTROLLING TAPE VIA NON-TRULUX BRAND WALL DIMMER

1. Confirm which wall dimmer is to be used and check its level of compatibility below.

Brand	Dimmer Type	Dimmer Model #	Dimming Range
Lutron Diva	Electronic	DVCL-153P	10-100%
Lutron Diva	Electronic low voltage	DVELV-300P-LA	15-100%
Legrand	Multi	ADTP700MMTU	6-100%
Leviton Sureslide	Incandescent	6613	20-100%

2. Select ELV driver by multiplying total number of feet by watts per foot based on type of tape. To use non-Trulux dimmers, the ELV driver must be used and the load has to be 60% minimum and 90% maximum of the driver's capacity.
3. Follow markings on the LED-DR driver to locate input and secondary sides. Follow marks for connecting 120V AC supply power and 24V DC output to red/black lead wires on power connector, matching polarity: Red = positive and Black = negative.

USING PLUG-IN POWER SUPPLY FOR TRULUX (NON-DIMMING)

1. Select plug-in driver by multiplying total number of feet by watts per foot based on type of tape. The total load should be at least 5% of the driver's capacity, but not more than 90%.
2. Attach the DC power lead adapter (not included with 100ft reels) to the existing lead matching polarity. Attach DC jack from this power cord to DC jack of plug-in power supply (sold separately). Plug power supply into 120V AC power source.

ADDITIONAL SAFETY MEASURES

1. Route and secure cords so that they will not be pinched or damaged in any way.
2. LEDs are bright. Do not look directly at lighted tape light.

Important Note: The National Electrical Code (NEC) does not permit cords to be concealed where damage to insulation may go unnoticed. To prevent fire danger, do not run cord behind walls, ceilings, soffits, or cabinets where it may be inaccessible for examination. Cords should be visually examined periodically and immediately replaced when damage is noted.

Image: Page 4 of the installation instructions, detailing alternate control systems and plug-in power supply usage.

Once properly installed and connected to a compatible power supply and control system (if applicable), your Trulux LED Tape Light is ready for operation.

- **Power On/Off:** Use the connected wall dimmer, Trulux controller, or switch on the plug-in power supply to turn the lights on or off.
- **Dimming:** If using a compatible dimmable driver and dimmer, adjust the dimmer control to achieve the desired light intensity. Ensure the dimmer is compatible with ELV (Electronic Low Voltage) systems.
- **Color Temperature:** This specific model provides Warm White 3000K illumination. No adjustment for color temperature is available.

MAINTENANCE

The Trulux LED Tape Light is designed for long-lasting performance with minimal maintenance.

- **Cleaning:** Ensure the power is disconnected before cleaning. Gently wipe the tape light with a soft, dry, or slightly damp cloth. Do not use harsh chemicals, abrasive cleaners, or excessive moisture.
- **Inspection:** Periodically inspect the tape light and its connections for any signs of damage, wear, or loose connections. If any damage is observed, disconnect power immediately and replace the affected section or consult a qualified electrician.
- **Adhesion:** The 3M VHB adhesive tape provides strong adhesion. If the tape light begins to peel, ensure the surface is clean and dry, and consider using additional mounting clips (TL-CLIPS-15, sold separately) for reinforcement.

TROUBLESHOOTING

If you encounter issues with your Trulux LED Tape Light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Lights do not turn on.	No power to the driver/power supply. Loose connections. Incorrect polarity. Faulty driver/power supply.	Check if the power outlet is active and the driver is plugged in. Ensure all connections (tape to connector, connector to driver) are secure. Verify red (+) and black (-) wires are connected correctly. Test the driver with a multimeter or replace it if suspected faulty.
Lights flicker or dim inconsistently.	Incompatible dimmer. Overloaded driver. Loose connections. Voltage drop over long runs.	Ensure the dimmer is ELV compatible and within the specified dimming range. Verify total wattage does not exceed 90% of driver capacity. Refer to driver selection tables. Check all connections for tightness. Consider splitting the run or using a higher gauge wire for longer distances.
Sections of the tape light are out.	Damaged section of tape. Poor connection at a splice point.	Inspect the non-working section for physical damage. If damaged, the section may need replacement. Re-secure connections at splice points.

Problem	Possible Cause	Solution
Adhesive is not holding.	Surface not clean or dry. Surface not smooth. Insufficient cure time.	Ensure mounting surface is thoroughly cleaned and dry before application. Apply to smooth, non-porous surfaces. Allow 24 hours for the adhesive to fully cure. Use mounting clips for added security.

SPECIFICATIONS

Feature	Detail
Model Number	HTL-WW-100
Color Temperature	3000K Warm White
CRI (Color Rendering Index)	96+
Voltage	24 Volts DC
Wattage per Foot	4.6 Watts/ft
Luminous Flux per Foot	Up to 300 Lumens/ft
Max Run Length	22 feet
Cuttable Interval	Every 3.94 inches
IP Rating	IP54 (Unjacketed)
Dimmability	5-100% with ELV dimmers
Rating	cULus Listed
Rated Life	50,000 hours
Included Components	100-Foot Reel with attached 3-Foot lead + tail wires, (5) TL-CONKIT, (5) TL-BKS.
Mounting Type	Adhesive (3M VHB), Surface Mount
Indoor/Outdoor Usage	Indoor
Product Dimensions	7.75 x 7.75 x 1.25 inches (Reel)
Item Weight	2.61 pounds
UPC	714176012544

WARRANTY AND SUPPORT

Warranty Description: Limited.
For specific warranty details, claims, or technical support, please contact American Lighting directly. You can find their contact information on their official website or through the retailer where the product was purchased.
Manufacturer: American Lighting
Website: www.americanlighting.com

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