

INSTALLATION INSTRUCTIONS

HTL65-RGBW Series



⚠ 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 24V DC drivers with a wattage capacity that can handle the total load. 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 with paper surface coverings, fabrics, streamers, or other similar combustibile materials.
- 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 only the adhesive provided with the tape and/or factory recommended mounting clips, mounting track, and aluminum channel (sold separately).
- 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, diodes or power cord insulation; inspect periodically.
- Do not install on gates or doors, or where subject to continuous flexing.
- Do not install in airtight tanks or enclosures of any kinds.
- Size your 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 LED-DR DRIVERS on page 2 and use driver chart as directed.

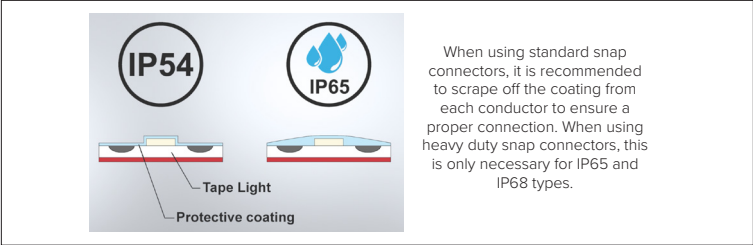
LAYOUT CONSIDERATIONS:

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

Tape Light Series	Wattage	Cuttability	Tape Light Maximum Run	Reel Length
HTL65-RGBW Series	4.4W/ft	Every 6.56"	22 feet (6.7m)	16.4 feet (5m)

PRODUCT INFORMATION

IP65 reels include attached 2ft lead with mating 6inch IP65 male adapter cable, attached 2ft tail with mating 6inch IP65 female adapter cable, and (2) TL-5PWR-HD heavy duty snap connectors (all connectors are rated IP20). Mount tape light using the 3M® VHB adhesive. Once the VHB protective backing is removed, the tape should be placed on the prepared mounting surface and not be repositioned, removed, or re-used. For best results, let adhesive cure 24 hours prior to first use.



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.

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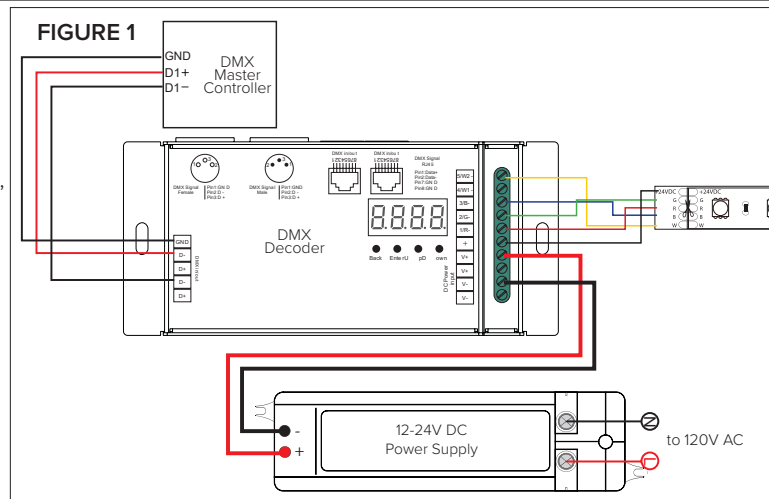
### HTL65-RGBW Series



#### INSTALLING TAPE LIGHT:

Disconnect power from source prior to attempting installation. 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 TAPE LIGHT in next section 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 beginning of the tape light to an appropriate RGBW controller, ensuring to match each wire to the appropriate terminal (black to +, red to red, green to green, etc).
4. Wire the controller to an appropriate LED driver, ensuring to match polarity (Red +, Black -).
5. Bring power to the power supply, ensuring to match polarity (Red +, Black -).



#### CUTTING & LINKING TAPE LIGHT (SEE FIGURES 2-7):

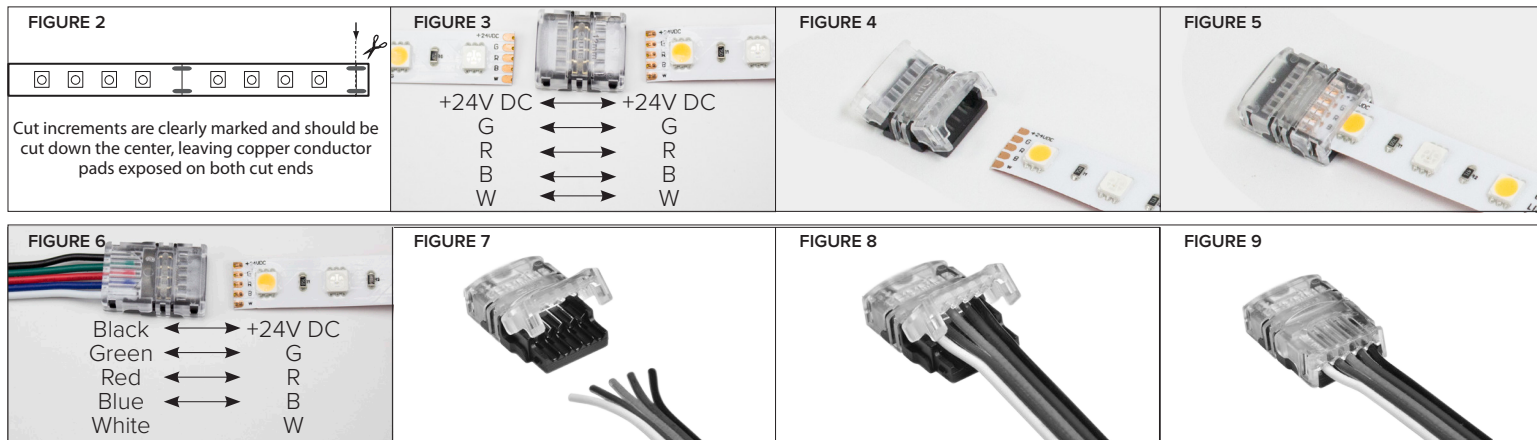
Do not exceed the maximum tape light run length of 16.4 feet in any single run. Use only the 24V DC power supply provided. Cut increments are clearly marked on the tape light. Cutting elsewhere will void warranty. Ensure an even cut along the edge of the copper conductors, leaving the exposed copper 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 Figure2). When using clamshell connectors, gently scrape off a small amount of the nano-coating that covers each of the 5 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 HD connector, open both sides of the connector so the metal teeth 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 teeth inside.
4. Close snap connector and use pliers to ensure the connector “snaps” through the tape light. See Figure 5.

#### MAKING A TAPE-TO-WIRE CONNECTION (SEE FIGURES 6-9):

1. Using a tape-to-wire HD connector, follow steps 1-4 from “Making a Tape-to-Tape Connection” above to connect tape light.
2. Ensure polarity of the conductors on the connected piece of tape light and the polarity of the wires align. See Figure 6.
3. Cut desired length of wire from the 15ft reel of wire included being sure to leave approximately 1/2' on each end to be connected.
4. Separate wires slightly so they fit in the grooves of the snap connector. There is no need to strip the wire. See Figure 7.
5. Insert the cut wire into the slots of the snap connector so the wire is aligned with the metal teeth inside. See Figure 8.
6. Close snap connector and use pliers to ensure the connector “snaps” through the wire. See Figure 9.



#### CARE AND MAINTENANCE:

1. Use only a mild soap and water with soft cloth to clean the fixture. Harsh chemicals will damage the finish.
2. Do not wipe the fixture with a rough cloth that may scratch the finish or the lens.



## INSTALLATION INSTRUCTIONS

### HTL65-RGBW Series



#### 5- YEAR LIMITED PRODUCT WARRANTY

This product is warranted to be free from defects in material and workmanship for a period of five years from the date of purchase. Products that prove to be defective during this period will be either repaired (i.e. replacement of defective electronics, defective parts of the fixture housing, lens, wiring, switching or lamp sockets; excluding the lamp) or replaced, at the discretion of American Lighting, Inc. Claims for defective products must be submitted to the retail location from which the product was purchased within the warranty period. Upon submission of proper return claim documentation and product to American Lighting, Inc by the retailer, American Lighting, Inc reserves the right to inspect the product for misuse or abuse. Claims for indirect or consequential damages or for product that, in American Lighting Inc's opinion has been misused will be denied. This is a warranty of product reliability only and not a warranty of merchantability or fitness for a particular purpose. American Lighting, Inc shall have no liability whatsoever in any event for payment of incidental or consequential damages, including, without limitations, installation costs and damages for personal injury and property. These products may represent a possible shock or fire hazard if improperly installed or altered in any way. This warranty applies only to product that has been properly installed in accordance with instruction sheet and current local codes and/or the National Electrical Code. Warranty does not apply to any product that has been improperly installed or in situations where components have been altered in any way.

For questions, comments, technical assistance and/or repair parts, please call toll free at:  
1-800-285-8051 (M-F 8am – 5pm, MST)