



Home » American Lighting » AMERICAN LIGHTING HTMR-COB Series High Output Max Run COB

Tape Light Installation Guide 📆

#### Contents [hide]

- 1 AMERICAN LIGHTING HTMR-COB Series High Output Max Run COB Tape Light
- 2 Specifications
- 3 Product Usage Instructions
- **4 INSTALLATION INSTRUCTIONS**
- **5 LAYOUT CONSIDERATIONS**
- **6 PRODUCT INFORMATION**
- **7 SAFETY INFORMATION**
- **8 INSTALLATION INSTRUCTIONS**
- 9 ADDITIONAL SAFETY MEASURES
- 10 5-YEAR LIMITED PRODUCT WARRANTY
- 11 FAQS
- 12 Documents / Resources
  - 12.1 References



AMERICAN LIGHTING HTMR-COB Series High Output Max Run COB Tape Light



## **Specifications**

• Series: HTMR-COB Series

• Wattage: 3W/ft

• Cut Increments: 1.64

Maximum Run Length: 32.8 feet (98.4 watts)

• Reel Length: 49.2 feet

### **Product Usage Instructions**

#### Installation

Follow these steps for proper installation:

- 1. Disconnect the electrical power source before installation.
- 2. Ensure the polarity of the conductors on the tape light aligns when making connections.
- 3. Use tape-to-tape snap connectors to join pieces of tape light.
- 4. Secure cords to prevent damage and ensure safety.

#### **Safety Measures**

• Route and secure cords properly to avoid pinching or damage.

- Avoid looking directly at the lighted tape light due to its brightness.
- Do not conceal cords where damage may go unnoticed.

#### **INSTALLATION INSTRUCTIONS**

**HTMR-COB Series** 

#### **WARNING**

- These products may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed according to these instructions, current electrical codes, and/or the current National Electric Code (NEC).
- Use only with 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.
- 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 before installation or any
  servicing.
- Never fold Trulux® or bend past the minimum bending radius of 1", whether lighted or unlighted.

#### LAYOUT CONSIDERATIONS

Pay close attention to the following maximum run lengths:

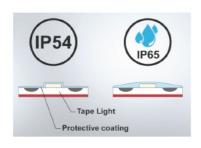
Series Wattage Cut Increments Maximum run Reel Length HTMR-COB Series 3W/ft 1.64" 32.8 feet (98.4 watts) 49.2 feet

#### PRODUCT INFORMATION

IP54 reels include attached 6ft lead wires, attached 6ft tail wires, (2) TL-BLKS connectors, (1) TL-CONKIT 4-in-1 connector kit, which has 18AWG lead wire attached, and (2) TL-2PWR-HD heavy duty snap connectors (all connectors are rated IP20). Mount the tape light using the 3M® VHB adhesive on the back of the tape. Once the VHB protective backing is removed, the tape should be placed on the prepared mounting surface and not be repositioned, removed, or reused. For best results, let adhesive cure 24 hours before first use.

#### 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 combustible 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 factoryrecommended 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 kind.
- 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.





Trulux® tape light utilizes a nano-coating for ingress protection. It is recommended to scrape off the coating from each conductor to ensure a proper connection.

#### INSTALLATION INSTRUCTIONS

#### **HTMR-COB Series**

#### **CUTTING & LINKING TRULUX® TAPE LIGHT (See Figures 2-7):**

Do not exceed the maximum tape light run length in any single run. Cut increments are marked on the tape light (see Layout Considerations on Page 1). Ensure an even cut along the center of the copper conductors to ensure enough surface area is exposed for snap connector pins to pierce through.

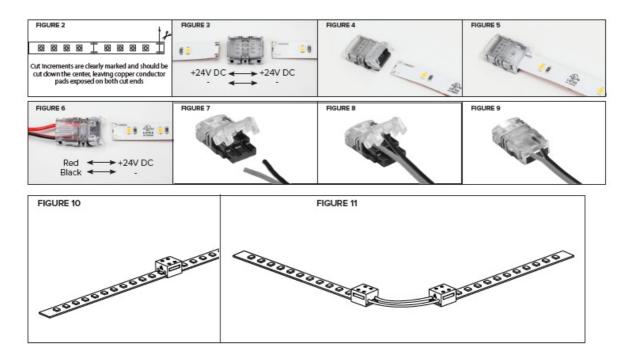
#### MAKING A TAPE-TO-TAPE CONNECTION (See Figures 3-5):

- 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 snap 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 the 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.

### TO MAKE A TAPE-TO-WIRE CONNECTION (See Figures 6-9):

- 1. Using a tape-to-wire snap connector, follow steps 1-4 from "Making a Tape-to-Tape Connection" above to connect tape light.
- 2. Ensure the polarity of the conductors on the connected piece of tape light and the polarity of the wires align. See Figure 6.

- 3. Cut the 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 the nap connector and use pliers to ensure the connector "snaps" through the wire. See Figure 9.



#### **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 the lit tape.

**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.

#### INSTALLATION INSTRUCTIONS

#### **HTMR-COB Series**

#### **5-YEAR LIMITED PRODUCT WARRANTY**

- This product is warranted to be free from defects in material and workmanship for aive 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 a
  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..c shall have no liability whatsoever in any event for payment of incidental or consequential damages, including, without limitation, 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 tto products that have been properlinstalled byth the 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 tollfree at: 1-800-285-8051 (M-F 8 am -5 pm, MST)

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#### **FAQS**

- Q: Can I use a power supply other than 24V DC drivers?
  - A: No, using a non-recommended power supply will void the factory warranty. Stick to 24V DC drivers with appropriate wattage capacity.
- Q: What should I do if I notice damage to the cords?

A: Immediately replace cords if damage is noted to prevent fire hazards and ensure safety.

# **Documents / Resources**



AMERICAN LIGHTING HTMR-COB Series High Output Max Run COB T ape Light [pdf] Installation Guide

HTMR-COB Series High Output Max Run COB Tape Light, HTMR-COB S eries, High Output Max Run COB Tape Light, Max Run COB Tape Light, COB Tape Light, Tape Light

#### References

- User Manual
- American Lighting
- ♠ American Lighting, COB Tape Light, High Output Max Run COB Tape Light, HTMR-COB Series, HTMR-COB Series High Output Max Run COB Tape Light, Max Run COB Tape Light, Tape Light

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