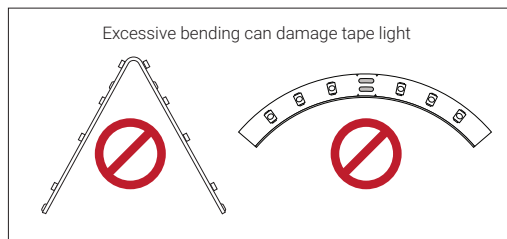


RazorLine™ 24V LED Tape Light

Safety & Tips

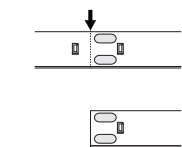
DO NOT CONNECT TAPE LIGHTS DIRECTLY TO 120V AC POWER.

- Tape light should ONLY be powered by a UL Listed Class 2 24V DC power supply.
- ALWAYS install in accordance with local and national electrical code regulations.
- This product should be installed and serviced by a qualified, licensed electrician.
- Do not install where diodes can be exposed to direct sunlight as this can damage the diodes, reduce their operational life span and alter their operational characteristics.
- Do not install the product in a location where the ambient temperature is outside the listed ambient temperature range of the product. Failure to do so could result in damage to the tape light and may alter the tape light's operational characteristics.
- Do not exceed the listed maximum run of the product, which is shown on the product packaging. Each maximum run requires a dedicated power feed from the driver.
- Do not overload the 24V DC power supply. Overloading the power supply may cause shorting, overheating, and possibly fire.
- Do not stare directly into LED lights when illuminated.
- Always disconnect the power supply before cutting or connecting tape light.
- Apply power to test the tape light and connections before mounting.
- Do not expose dry location tape light to direct or indirect moisture.
- Do not crimp tape light, attempt to bend tape light width-wise or lengthwise to a radius less than 0.6 in. / 15mm or product can be damaged.
- Never apply weight or walk on tape light.



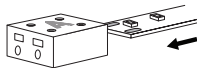
Using AmpChamps For RazorLine 3.7

Connecting RazorLine 3.7 Tape Light



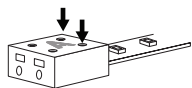
1. Cut at the arrow closest to the connector to leave the solder pads intact.

Remove the adhesive cover from the back of the tape light.



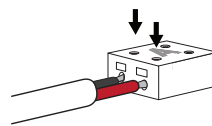
2. Insert the tape light into the corresponding slot on the connector so that the solder pads are seated under the screws.

Note: When fully inserted, one diode will be inside the connector.



3. Using the included screwdriver, tighten the screws securely.

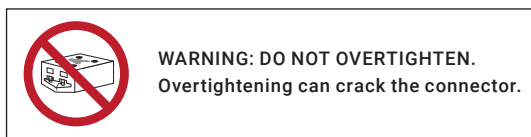
Connecting Wire



Insert the wire into the wire receptacles while ensuring the correct polarity.

Using the included screwdriver, tighten the screws securely.

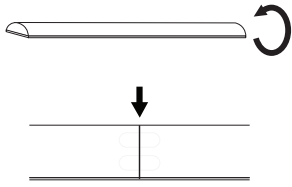
Note: Confirm you have maintained correct polarity (+ to + and - to -) when joining tape lights as well as when connecting to power.



RazorLine™ 24V LED Tape Light

Using AmpChamps with RazorLine Neon 300

Connecting RazorLine Neon 300 Tape Light

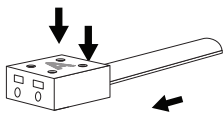


1. Locate the cut point printed on the back of the tape light.

Cut at the marker.



2. Use a sharp tool to scrape off the silicone diffuser to reveal the solder pads where the AmpChamp will connect.

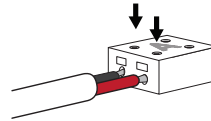


3. Remove the adhesive backing, and insert the tape light into the corresponding slot in the connector.

Tighten the screws to secure the connection.

Note: When fully inserted, one diode will be inside the connector.

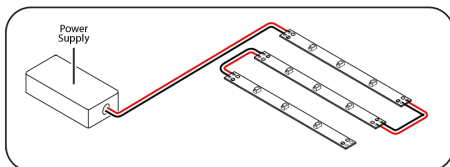
Connecting Wire



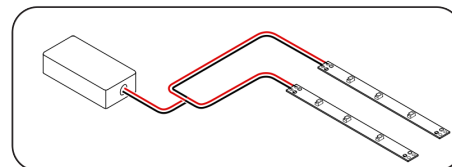
Insert the wire into the wire receptacles while ensuring the correct polarity.

Using the included screwdriver, tighten the screws securely.

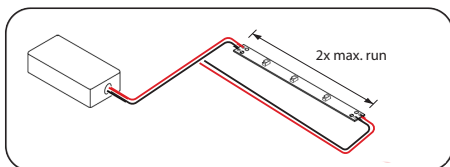
Layout Options*



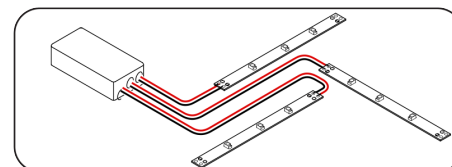
"Straight" run: tapes that are furthest from the power supply are more likely to exhibit voltage drop.*



Center feed connection: produces more consistent brightness and color between tapes.*



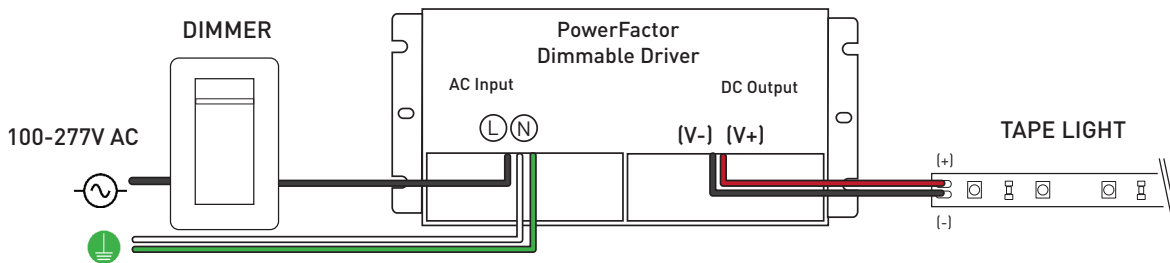
"Loopback" connection: allows for doubling the max. run of tape light. Often used for room perimeter and coves.*



"Array" option: tape runs are individually powered*

RazorLine™ 24V LED Tape Light

Wiring Diagram



Troubleshooting

Tape light does not light up

- Make sure the DC power supply is turned on and receiving power.
- Confirm you have maintained correct polarity (+ to + and - to -) when joining tape lights as well as when connecting to the 12V or 24V DC power supply.
- Check all light connections and any switch or dimmer connections from the power supply to the tape lights.
- Consider testing with a multimeter to ensure tape light is receiving 12V or 24V DC power.

Only part of the tape light is lit

- Check connections to the part of the tape light that is not lit.
- Confirm you have maintained correct polarity (+ to + and - to -) when joining tape lights as well as when connecting to the 12V or 24V DC power supply.
- If an LED was previously removed to accommodate an Amp Champ connection, please remove that tape segment before proceeding.

Tape lights flicker

- Make sure that your driver is compatible with the tape light and that your installation is not below the minimum load capacity.

Tape lights blink on, then go off

- Your power supply may not be adequate for the length of tape lights you are powering. Install a higher wattage power supply or reduce watts used by shortening the lengths of your tape lights.

LEDs farthest from the power supply are noticeably dimmer / not lighting up

- This is the result of voltage drop. Decrease the length of the 12V or 24V DC power feed wires or use thicker power feed wires between the 12 or 24V DC power supply and the lighting tapes.
- Use shorter lengths of tape lights. Refer to the "Layout Options" above. Consider a different layout.
- Ensure you are not exceeding the maximum run. Check to make sure the correct length and gauge of lead wire is being used.
- Ensure that driver / voltage are compatible with the runs of tape light.
- If diodes are dim or blinking, be sure that the installation is meeting the minimum load.

Tape is not turning on or flickering (using connector)

- Reseat connector - make sure the solder pads are touching the metal prongs. For use with Amp Champ, make sure the screws are touching the solder pads.