SAFETY & WARNINGS

- Install in accordance with national and local electrical code regulations.
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- This product must be powered with a compatible Class 2 DC Constant Voltage LED driver (power supply).
- DO NOT power tape light while attached to plastic spool or tightly coiled. Excess heat may melt the spool and/or cause damage to the fixture.
- DO NOT install in location where LED chips are exposed to direct sunlight or damage to the phosphor will occur.
- Ensure applicable wire is installed between driver, fixture, and any controls in between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause a fire.
- Tape light, attached wire leads, and additional extension cables, connectors, etc., are not rated for in-wall installation unless otherwise noted. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
- Connectors have a Class 2 amp limit unless otherwise noted.
- Each tape light has a different power consumption rating and maximum run length that must be individually wired to a compatible low voltage (PWM) control or DMX decoder. Refer to tape light package label or spec sheet for more information.
- Only wet location tape light models are rated for outdoor / wet locations. See package label for environment ratings.
- Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.

QUICK SPECS

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>24VDC constant voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Consumption</td>
<td>4.39W per ft.</td>
</tr>
<tr>
<td>Maximum Run</td>
<td>20 ft.</td>
</tr>
<tr>
<td>Included Models</td>
<td>DI-24V-RGBW.**</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>-4° ~ 122°F (-20° ~ 50°C)</td>
</tr>
<tr>
<td>Environment</td>
<td>Dry location</td>
</tr>
</tbody>
</table>

** Indicates spool length.
† Do not install product in an environment outside the listed ambient temperature.

TAPE LIGHT HANDLING

- Do not bend LED strip light to a diameter less than 1.5 inches.
- Do not fold or crease LED strip light.
- Do not bend LED strip light on a horizontal plane.
- Do not put excessive pressure on surface of strip light (e.g. glass/acrylic panes etc.).
- Do not cover strip light with any materials.
- Do not power strip light while attached to spool or tightly coiled.
**INSTALLATION**

Prior to installation, verify all components are a compatible system. Configure and pre-test your LED system prior to permanent installation to ensure all components are operating correctly. Install in accordance with national and local electrical regulations.

1. **Turn OFF High Voltage AC Power** at the main breaker.

   **WARNING**  
   Shock Hazard. May result in serious injury or death. Turn off power at circuit breaker before installing this product.

2. **Determine Locations to Install 3 Main Components.** Refer to the ‘System Diagrams.’

3. **Prior to cutting tape light,** refer to ‘RGBW CLICKTIGHT™ Connectors’ on page 3 for connection information.

4. **Mount tape to desired surface.**
   
   A. Cut the tape at the line indicated with the scissors icon.
   
   ![Cut points not drawn to scale.](image)

   B. Determine a finished, smooth surface, away from direct sunlight for mounting. Clean surface and let dry.

   C. Remove adhesive paper from the tape light to expose 3M™ adhesive. Ensure ambient temp is minimum 50°F (10°C) or tape will not adhere properly.

   ![Adhesive tape](image)

   D. Adhere tape to surface, working one end to the other to prevent air pockets and raised sections. Utilize a clean rag between skin and tape to resist oil transfer from skin to LEDs. Continue following the remaining installation instructions.

5. **Attach Color Controller and Driver.** Only use copper wiring. Reference ‘Wiring Connections’ located further in guide for visual. Verify a compatible constant voltage driver is installed.

6. **Review the full system.** Ensure all polarities are correct and connections are secured.

7. **Install Additional Components, Verify Connections, and Turn Main Power ON at Breaker.**

   ![Wiring connections](image)

**SYSTEM WORKING IMPROPERLY?**

Turn OFF main power at breaker and verify all connections. Review the ‘Wiring Connections’, ‘System Diagrams’, and dimming control installation guides.
DAZZLE RGBW CLICKTIGHT™ CONNECTORS

These instructions apply only to DAZZLE RGBW CLICKTIGHT™ Connectors (does not apply to solid color CLICKTIGHT™ Connectors). Never cut tape attached to a live circuit.

1. Cut the tape at the line indicated with the scissors icon.

2. Open the CLICKTIGHT™ latch and note the +/- polarity markings.

3. Firmly insert the tape light into the connector tray with the 3M™ adhesive backing still intact to the tape. Ensure the contact/solder points of the tape are directly underneath the metal placement tabs of the connector.

4. Close the CLICKTIGHT™ latch to ensure connection.

5. When ready for mounting, peel off the 3M™ adhesive backing of the tape and tear off along the connector tray edge. Mount tape light and utilize a wiring harness to secure lead wires.

NOTE: CLASS 2
All CLICKTIGHT™ accessories have a Class 2 amperage limit: 60W/5A @ 12VDC; 96W/4A @ 24VDC. CLICKTIGHT connectors are not compatible with wet location tape light. See "Troubleshooting" for tape light connector issues.

CLICKTIGHT™ CONNECTIVITY TIP
If connection is not secure, pull tape out from the CLICKTIGHT™ connector and trim any excess tape so the outer edges of contact/solder points are flush with the end of the tape. Insert trimmed end back into CLICKTIGHT™ connector with the 3M™ adhesive backing still in tact to tape.

TROUBLESHOOTING
Prior to troubleshooting, ensure all items are a compatible system and main power is turned ON.

<table>
<thead>
<tr>
<th>Shift in brightness and/or kelvin</th>
<th>• Review maximum series run limits. Exceeding these limits will cause excess voltage drop, decreasing brightness and/or kelvin as the run is extended.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Some LEDs are not functional</td>
<td>• Ensure all connections have been properly attached. Ensure fixture has not been bent excessively, which may cause components and solder to detach from the circuit board.</td>
</tr>
<tr>
<td>Lights are flickering</td>
<td>• Ensure a compatible driver is installed. Ensure the pre-set mode of the controller is not on a dynamic mode. Ensure Data +/- connections of DMX systems are not reversed. If lights continue to flicker, check for loose connections. Ensure tape light connectors are properly attached.</td>
</tr>
<tr>
<td>Lights are turning on/off repeatedly</td>
<td>• Ensure driver is not overloaded. An overloaded driver will trip the internal auto-reset (of driver) repeatedly, turning the system on/off.</td>
</tr>
<tr>
<td>CLICKTIGHT™ Connector Troubleshooting</td>
<td>• Ensure compatible CLICKTIGHT™ models are attached. Tape lights vary in width and require specific connectors. Contact your supplier for additional information.</td>
</tr>
<tr>
<td></td>
<td>• Tape light is polarity sensitive. Ensure the +/- markings of the CLICKTIGHT™ connector is aligned with the +/- markings of the tape. If polarity is backwards, reverse the lead wire connection or detach tape from CLICKTIGHT™ connector and reattach opposing end of tape to connector.</td>
</tr>
</tbody>
</table>
**SYSTEM DIAGRAM**

The following diagram is provided as an example system design. Contact technical support or see the product web page for additional system examples including systems utilizing standard (PWM) and/or zone controllers (does not utilize DMX controllers). Always review each component installation guide for detailed and up-to-date wiring instructions.

**DMX SYSTEM**

*For small or large-scale RGBW installations*

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**ADDITIONAL RESOURCES**

Visit the online product page at www.DiodeLED.com for additional product specifications & warranty information.

- **DAZZLE 24™ 24V RGBW TAPE LIGHT SPECIFICATION SHEET**
- **VOLTAGE DROP CHARTS**
  
  Use to specify appropriate wire gauge for installation. Available at the ‘Tools & Resources’ page at www.DiodeLED.com.

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**QUESTIONS?**

Visit www.DiodeLED.com or contact Customer Support at info@DiodeLED.com or 1.877.817.6028 Monday through Friday, 7:00am- 5:00pm PST.