安装说明

**警告**：在任何灯具应用中，应始终遵循基本的安全预防措施，以降低发生火灾、电击和人身伤害的风险。此照明系统应由持证专业人员安装。

**注意**：Tivotape™ LED 仅与经过认证的 24V DC 变压器一起使用。使用其他任何电源将导致损坏，缩短 fixtures 的寿命并使保修无效。

在安装或修改系统之前，请确保电源已关闭。

请阅读本手册中的所有内容，在开始安装之前。

注意：Tivotape™ LED 适用于带有预先附带的末尾预处理的特定长度的室外 Tivotape™。它不设计用于现场修剪。

注意：室外 Tivotape™ 是根据具体长度制造的，带有工厂附带的末端预处理。它不设计用于现场修剪。

注意：请勿将裸露的导线隐藏或延长通过建筑墙，以满足当地电气规范。

注意：使用化学溶剂清洁 Tivotape™ 进行常规维护。不遵守此规则会损坏产品并使保修无效。

**注意**：不要弯曲、扭曲或折弯 Tivotape™ 在接线点。

**注意**：不要试图在安装后从表面撕下 Tivotape™。一旦安装后应牢固地粘附于表面以避免对产品的损坏。

注意：安装过程中，如果发生错误，请从表面移除 Tivotape™，清洁粘附面并从干净的表面上重新开始。

注意：对于背面胶带要保持永久粘附，粘附表面必须清洁，无油和杂物。

注意：使用冲压工具或剪刀小心地剥下 PET 胶带并将其粘附在清洁、光滑的表面。

注意：用力按压 Tivotape™ 整个长度以确保与粘附表面的牢固粘附。

注意：使用化学溶剂清洁 Tivotape™ 进行常规维护。不遵守此规则会损坏产品并使保修无效。

注意：不要试图在安装后从表面撕下 Tivotape™。一旦安装后应牢固地粘附于表面以避免对产品的损坏。

注意：如果出现错误，从表面移除 Tivotape™，清洁粘附面并从干净的表面上重新开始。

注意：不要尝试在安装后从表面撕下 Tivotape™。一旦安装后应牢固地粘附于表面以避免对产品的损坏。

注意：在粘附表面，必须保持清洁并清除所有粘附剂。

注意：不要扭曲、折叠或折弯 lead wire 在 solder 点。

注意：不要试图在安装后从表面撕下 Tivotape™。一旦安装后应牢固地粘附于表面以避免对产品的损坏。

注意：不要使用化学溶剂清洁 Tivotape™ 进行常规维护。不遵守此规则会损坏产品并使保修无效。

注意：不要弯曲、扭曲或折弯 lead wire 在 solder 点。

注意：不要试图在安装后从表面撕下 Tivotape™。一旦安装后应牢固地粘附于表面以避免对产品的损坏。

注意：不要使用化学溶剂清洁 Tivotape™ 进行常规维护。不遵守此规则会损坏产品并使保修无效。

注意：不要弯曲、扭曲或折弯 lead wire 在 solder 点。

注意：不要试图在安装后从表面撕下 Tivotape™。一旦安装后应牢固地粘附于表面以避免对产品的损坏。

注意：不要使用化学溶剂清洁 Tivotape™ 进行常规维护。不遵守此规则会损坏产品并使保修无效。
Installation Instructions (Continued)

Option 2: Mounting Channel
Mounting channels are recommended for most applications to create smooth, flat adhesion surface and are used for different effects.

**Step 1:** Measure and cut mounting channel from supplied lengths to fit full length of mounting surface and drill countersunk mounting holes every 24" along channel.

**Step 2:** Attach mounting channel using No. 6 Flat Head screws (supplied by others) appropriate for mounting surface, ie: wood screws for wood.

**Step 3:** Make sure channel where Tivotape™ is to be installed is smooth, clean, free of all dirt, oil and debris.

**Note:** Cleaning channel mounting surface with alcohol is recommended.

**Step 4:** Peel off PET backing tape and apply Tivotape™ to clean mounting channel.

**Step 5:** Press firmly with hand along the entire length of Tivotape™ to ensure a strong bond to the Mounting Channel.

**Step 6:** Install Lens and End Caps as required for application.

**Step 7:** Make necessary electrical connections.

Examples of Available Channels

**DOME**  
Part No: DOMECHANSLV6.5

**HORIZON**  
Part No: HRIZCHANSLV6.5

**WARNER**  
PART NO WRNRCRANSLV6.5

Connecting RGB+W Tivotape™ Sections Using Outdoor Butt Connectors

To connect two sections of Tivotape™ in the field, use outdoor rated Butt Connectors. A Ratchet Crimping Tool and Heat Gun is required.

**Step 1:** Strip ¼" of Insulation from the end of each wire and insert one end of each wire into Butt Connector.

**Step 2:** Use Ratchet Crimping Tool to securely crimp each wire inside the Butt Connector in the areas shown.

**Step 3:** Use Heat Gun to heat Butt Connector. Continue to heat until Butt Connector shrinks to a tight seal around both wire ends. This will ensure a water-tight connection.
Maintaining Color Consistency

**Note 1:** Each RGB+W LED is a composite of red, green, blue and white components. It the Tivotape light strip is located within 2” of an adjacent surface, the color closest to that surface may dominate the other colors. A distance of 2” or more will allow the light to even out and permit the colors to mix together.

**Note 2:** In applications where multiple strips of Tivotape™ are reflecting on a common surface, it is recommended that the tape be mounted at least 2” away from the reflecting surface and oriented with the same edge of Tivotape™ mounted closest to the outside edge, as shown. Note the position of the lead end.
**Tivota™ RGB+W Basic Wiring Diagram**

**Electrical Connections for Outdoor RGB+W Tivota™**

**Step 1:** Turn power off before beginning electrical installation.  
**Note:** Contacting hot wires against the Tivota™ leads may damage the product and void the warranty.

**Step 2:** Connect Tivota™ lead wires to RGBW-Sub-Controller, or if using our ADNM-DIN series transformers, connect to pre-wired connectors which are found inside the power supply box. Refer to diagram on page 5. Make sure each lead wire is connected to the correct terminal, as follows:

<table>
<thead>
<tr>
<th>TIVOTAPE™ PAD DESIGNATION</th>
<th>LEAD WIRE COLOR</th>
<th>SUB-CONTROLLER TERMINAL OR ADUL-DIN CONNECTOR WIRE COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>Black</td>
<td>Black (+)</td>
</tr>
<tr>
<td>G</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>R</td>
<td>Red</td>
<td>Red</td>
</tr>
<tr>
<td>B</td>
<td>Blue</td>
<td>Blue</td>
</tr>
<tr>
<td>W</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

**Step 3:** Connect to a listed Class 2, 24V DC transformer only. See Specification Sheet for list of approved transformers.

**Product Specification Guide**

<table>
<thead>
<tr>
<th>LIGHT SOURCE</th>
<th>MAX CONTINUOUS RUN LENGTH*</th>
</tr>
</thead>
<tbody>
<tr>
<td>All color temperatures</td>
<td>18ft</td>
</tr>
</tbody>
</table>

*Max continuous run based on ADUL 96W/4.0A Power Supply max load.  
(Refer to Tivota™ Specification Sheets for max run using other recommended power supplies.)

- DMX512 RDM decoder, RDM function can provide the interface between DMX master and decoder. for example, DMX decoder's address may be set from DMX master console.
- Multiple kinds of DMX in/out ports: RJ 45, XLR , normal screws.
- Total 5 PWM output channels, common anode. DMX channel quantity from 1CH~5CH programmable
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 9K HZ settable.
- Output dimming curve gamma value from 0.1 ~ 9.9 settable.
- Programmable Decoding mode.

**Safety and Warnings:**
- Do not install with power applied to device.
- Do not expose to moisture.

**Note:** The Installation Instructions for your power supply includes DMX programming instructions.

**DMX512 & RDM Decoder**

- To Power Supply (Neg. Wire)
- To Circuit Breaker (Pos. Wire)

**Note:** Connectors located inside box
Power Supply with Sub-Controller Sample Wiring Diagram

There are many possible options for controlling RGB+W Tivotape™. See the specification Sheet for more information. The following wiring diagram is for reference only. Please refer to the Installation Instruction for the Power Supply you choose for detailed wiring instructions.

Note: Connectors located inside box