Product Features

- Red, Green, Blue and White (2700K) mixing for precise color choice when used with DMX controls and software
- Constructed using flexible SMD LEDs with zero voltage drop for reliability and uniformity of light
- Used to outline structures or where traditional glass neon is used
- Low Voltage 24V DC
- Long-life LEDs with tight cutting increments for precise field installation
- UV Stabilized for exterior use with silicone housing (no yellowing or cracking)
- IP67 Rating
- IK07 Rating - protected against 2 joules impact

Dimensions

TRACE Vertical Bending Direction

Convex/Concave Bending
## Specifications

<table>
<thead>
<tr>
<th><strong>LED Intensity</strong></th>
<th><strong>Low Output</strong></th>
<th><strong>Standard Output</strong></th>
<th><strong>High Output</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumens (lm/ft) All On</td>
<td>51</td>
<td>89</td>
<td>123</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>115.8°</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LEDs</td>
<td>5050</td>
<td></td>
<td></td>
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</tbody>
</table>

### Electrical

<table>
<thead>
<tr>
<th><strong>Dimming</strong></th>
<th>DMX</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input Voltage</strong></td>
<td>24V DC</td>
</tr>
<tr>
<td><strong>Power Consumption (W/ft)</strong></td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Maximum Run</strong></td>
<td>58’</td>
</tr>
</tbody>
</table>

### Physical

<table>
<thead>
<tr>
<th><strong>Dimensions</strong></th>
<th>5/8” X 19/32”</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cutting Increments</strong></td>
<td>2.46”</td>
</tr>
<tr>
<td><strong>Material</strong></td>
<td>UV, Solvent, Saltwater resistant silicone</td>
</tr>
<tr>
<td><strong>Wire Exit Options</strong></td>
<td>Front, Side, Bottom</td>
</tr>
<tr>
<td><strong>LED PIN Temperature</strong></td>
<td>60.9°C / 141.6°F</td>
</tr>
<tr>
<td><strong>Storage Temperature</strong></td>
<td>-25°C / -13°F / 60°C / 140°F</td>
</tr>
<tr>
<td><strong>Ambient Temperature</strong></td>
<td>TCmin = -25°C / -13°F, TCmax</td>
</tr>
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</table>

### Certification and Testing

<table>
<thead>
<tr>
<th><strong>Certification</strong></th>
<th>cULus</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Environment</strong></td>
<td>Wet Location</td>
</tr>
<tr>
<td><strong>IP Rating</strong></td>
<td>IP67</td>
</tr>
<tr>
<td><strong>IK Rating</strong></td>
<td>IK07</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>3 Years</td>
</tr>
</tbody>
</table>

- Maximum Run length refers to single side feed in serial connection
- The given color temperature is the strip (after coating) color temperature
- The given data are typical values due to the tolerances of the production process and electrical components; values for the light output and electrical power can vary up to 10%
Power Lead Options - Vertical

**TRACE RGBW LEAD - FRONT**
Vertical Front Lead Entry
5’ Power Lead Cable with End Cap

**TRACE RGBW LEAD - SIDE**
Vertical Side Lead Entry
5’ Power Lead Cable with End Cap

**TRACE RGBW LEAD - BOTTOM**
Vertical Bottom Lead Entry
5’ Power Lead Cable with End Cap

**TRACE END CAP**
Vertical End Cap (No Lead)
1 pc End Cap with 4 Screws

IP67: Rated for outdoor use and factory assembled.
Note: The end cap is made of UV stabilized polycarbonate, which produces no yellowing and cracking over time.

Tivoli, LLC. reserves the right to modify this specification without prior notice.
**Power Leads - How to Configure**

It is important to note the orientation of TRACE RGBW and what is considered Left Facing and Right Facing. TRACE RGBW is polarity specific and proper submission of power leads for each run is necessary for factory prep standards.

VERTICAL TRACE RGBW - The cut window will always indicate as Bottom (Image B) and positive (+) polarity will indicate front facing (Image A).

---

**Power Lead Configurations - RGBW**

- **TRCE-V-RGBW-LEAD-B-B**
  Left Facing Bottom Lead with 5’ Power Cable to Right Facing Bottom Lead with 5’ Power Cable

- **TRCE-V-RGBW-LEAD-F-F**
  Left Facing Front Lead with 5’ Power Cable to Right Facing Front Lead with 5’ Power Cable

- **TRCE-V-RGBW-LEAD-S-S**
  Left Facing Side Lead with 5’ Power Cable to Right Facing Side Lead with 5’ Power Cable
Power Lead Configurations - RGBW

**TRCE-V-RGBW-LEAD-B-F**
Left Facing Bottom Lead with 5’ Power Cable to Right Facing Front Lead with 5’ Power Cable

**TRCE-V-RGBW-LEAD-F-B**
Left Facing Front Lead with 5’ Power Cable to Right Facing Bottom Lead with 5’ Power Cable

**TRCE-V-RGBW-LEAD-S-F**
Left Facing Side Lead with 5’ Power Cable to Right Facing Front Lead with 5’ Power Cable

**TRCE-V-RGBW-LEAD-F-S**
Left Facing Front Lead with 5’ Power Cable to Right Facing Side Lead with 5’ Power Cable

**TRCE-V-RGBW-LEAD-B-S**
Left Facing Bottom Lead with 5’ Power Cable to Right Facing Side Lead with 5’ Power Cable

**TRCE-V-RGBW-LEAD-S-B**
Left Facing Side Lead with 5’ Power Cable to Right Facing Bottom Lead with 5’ Power Cable
Power Lead Configurations - RGBW

**TRCE-V-RGBW-LEAD-E-B**
Left End Cap Lead to Right Facing Bottom Lead with 5’ Power Cable

**TRCE-V-RGBW-LEAD-B-E**
Left Facing Bottom Lead with 5’ Power Cable to Right End Cap

**TRCE-V-RGBW-LEAD-E-F**
Left End Cap Lead to Right Facing Front Lead with 5’ Power Cable

**TRCE-V-RGBW-LEAD-F-E**
Left Facing Front Lead with 5’ Power Cable to Right End Cap

**TRCE-V-RGBW-LEAD-E-S**
Left Facing End Cap Lead to Right Facing Side Lead with 5’ Power Cable

**TRCE-V-RGBW-LEAD-S-E**
Left Facing Side Lead with 5’ Power Cable to Right Facing End Cap
**Accessories**

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**TRCE-V-SLV-SCHAN-6.5**
Straight Channel  
Vertical Profile Only  
6.56' Length, Aluminum

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**TRCE-V-SLV-NCHAN-6.5**
Notched Channel  
Vertical Profile Only  
Radius Bend: 11”  
6.56' Length, Aluminum

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**TRCE-V-SLS-MTCLIPS**
Mounting Clips  
Vertical Profile Only  
2 Stainless Steel Clips with 2 Screws

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**FLXD-SIL-GE-10**
GE Silicone Tube  
Use to adhere TRACE into entire run length of channel  
25’ estimated bead length per 10oz tube

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**DMX-SPLT-8**
DMX Splitter  
8 ports of DMX 512, RJ45 and 3-pin Hardwire Connection

**Note:** If the number of DMX sub-controllers exceed 32 units, a DMX Splitter is required.
CONTROLS

TVOQ-10-XX-7
XX = BK (black), WH (white)
1024 DMX channel, 500 scene,
10 zone, glass touch screen

TVOQ-2-XX
XX = BK (black), WH (white)
512 DMX channel, 99 scene,
1 zone, glass touch screen

TVOQ-1-WHT
512 DMX channel, 16 scene,
4 zone, glass touch screen

SOFTWARE

Cue™ and CuePro™ softwares are specifically designed for the TivoCUE™ in-wall DMX controls and includes an array of tools required by the latest DMX lighting fixtures. Intuitive, with easy-to-use effects that can be dropped into timelines, and multi-zone synchronization capabilities allow you to program a project effortlessly.
## Power Supplies - Indoor

### ADUL - VARIABLE / DMX SINGLE ADDRESS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CAT NO</th>
<th>APPLICATION</th>
<th>PRIMARY VOLTAGE</th>
<th>SECONDARY VOLTAGE</th>
<th>CIRCUIT BREAKERS</th>
<th>MAX LOAD</th>
<th>CIRCUIT CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADUL Series Class 2 Transformer</td>
<td>ADUL-120-1-4-24-VW</td>
<td>Indoor / Damp</td>
<td>100-277V AC</td>
<td>24V DC</td>
<td>1</td>
<td>96W</td>
<td>4A</td>
</tr>
<tr>
<td></td>
<td>ADUL-240-2-4-24-VW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ADUL-320-3-4-24-VW</td>
<td></td>
<td></td>
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<tr>
<td>ADUL Series Class 2 Transformer</td>
<td>ADUL-240-2-4-24-VW-2</td>
<td>Indoor / Damp</td>
<td>100-277V AC</td>
<td>24V DC</td>
<td>2</td>
<td>2x96W</td>
<td>2x4A</td>
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<tr>
<td></td>
<td>ADUL-320-3-4-24-VW-3</td>
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<td></td>
<td></td>
<td>3</td>
<td>3x96W</td>
<td>3x4A</td>
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### ADUL - VARIABLE / DMX MULTI ADDRESS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CAT NO</th>
<th>APPLICATION</th>
<th>PRIMARY VOLTAGE</th>
<th>SECONDARY VOLTAGE</th>
<th>CIRCUIT BREAKERS</th>
<th>MAX LOAD</th>
<th>CIRCUIT CAPACITY</th>
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</thead>
<tbody>
<tr>
<td>ADUL Series Class 2 Transformer</td>
<td>ADNM-90-1-4-24-DIN</td>
<td>Indoor / Outdoor</td>
<td>100-277V AC</td>
<td>24V DC</td>
<td>1</td>
<td>90W</td>
<td>3.75A</td>
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<td>ADNM-120-1-4-24-DIN</td>
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<td>1</td>
<td>96W</td>
<td>4A</td>
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<tr>
<td></td>
<td>ADNM-240-2-4-24-DIN</td>
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<td></td>
<td></td>
<td>2</td>
<td>2x96W</td>
<td>2x4A</td>
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<td></td>
<td>ADNM-320-3-4-24-DIN</td>
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<td></td>
<td></td>
<td>3</td>
<td>3x96W</td>
<td>3x4A</td>
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## Power Supplies - Outdoor

### ADNM - DMX MULTI ADDRESS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CAT NO</th>
<th>APPLICATION</th>
<th>PRIMARY VOLTAGE</th>
<th>SECONDARY VOLTAGE</th>
<th>CIRCUIT BREAKERS</th>
<th>MAX LOAD</th>
<th>CIRCUIT CAPACITY</th>
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</thead>
<tbody>
<tr>
<td>ADNM Series Class 2 Transformer</td>
<td>ADNM-240-2-4-24-DIN-2</td>
<td>Indoor / Outdoor</td>
<td>100-277V AC</td>
<td>24V DC</td>
<td>2</td>
<td>2x96W</td>
<td>2x4A</td>
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<tr>
<td></td>
<td>ADNM-320-3-4-24-DIN-3</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>3x96W</td>
<td>3x4A</td>
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### ADNM - DMX/DALI FLICKER-FREE FOR TV STUDIO RGB/RGBW

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CAT NO</th>
<th>APPLICATION</th>
<th>PRIMARY VOLTAGE</th>
<th>SECONDARY VOLTAGE</th>
<th>CIRCUIT BREAKERS</th>
<th>MAX LOAD</th>
<th>CIRCUIT CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADNM Series Class 2 Transformer</td>
<td>ADNM-120-1-4-24-DTVC</td>
<td>Indoor / Outdoor</td>
<td>100-277V AC</td>
<td>24V DC</td>
<td>1</td>
<td>1x96W</td>
<td>1x4A</td>
</tr>
<tr>
<td></td>
<td>ADNM-240-2-4-24-DTVC</td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>2x96W</td>
<td>2x4A</td>
</tr>
<tr>
<td></td>
<td>ADNM-320-3-4-24-DTVC</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>3x96W</td>
<td>3x4A</td>
</tr>
</tbody>
</table>
### DMX Sub-Controller

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CAT NO</th>
<th>MODES</th>
<th>WATTAGE</th>
<th>PRIMARY VOLTAGE</th>
<th>DIMENSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMX Sub-controller</td>
<td>TPL-RGBW-180-24</td>
<td>Sub-controller only</td>
<td>5x96W</td>
<td>24V DC</td>
<td>2.87&quot; W X 6.46&quot; L X 1.45&quot; H</td>
</tr>
</tbody>
</table>