VARIABLE “Tunable White” TivoTape™ Outdoor (factory installed power lead wires)

Ordering Information

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>INTENSITY</th>
<th>INSTALL</th>
<th>LED COLOR</th>
<th>VOLTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPL VA O</td>
<td>24V DC</td>
<td>3 W/ft</td>
<td>217 LM/ft (total 22K-65K)</td>
<td>Non-Field Cuttable (See page 5 for details)</td>
</tr>
</tbody>
</table>

Max Continuous Run: 32’
Dimmable: 24V DC
90+ CRI

VHB Tape
Silicone Jacket
eXo shield ultimate dust and moisture protection
Warranty
DMX Control

2200K
3000K
2700K
4000K
2200K
6500K

TivoTape Run Lengths & End Preps
Please specify length of run with quantity of run(s) and end prep type at time of ordering.
Note: Only (1) end prep needed for each run (see page 2)
Outdoor TivoTape is non-field cuttable - Factory Prep Only
### Electrical & Photometric Date (Based on option 03)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>24V DC</td>
</tr>
<tr>
<td>Dimming Option</td>
<td>DMX</td>
</tr>
<tr>
<td>Power Supply</td>
<td>Class 2</td>
</tr>
<tr>
<td>Wire Size (End Prep)</td>
<td>20 AWG, 4 wire</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>3 W/ft.</td>
</tr>
<tr>
<td>Color Temperature (CCT)</td>
<td>2200K - 3000K (01)</td>
</tr>
<tr>
<td>Lumen Output (Total)</td>
<td>212</td>
</tr>
<tr>
<td>Efficacy</td>
<td>71</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>97</td>
</tr>
<tr>
<td>R9</td>
<td>&gt;50</td>
</tr>
</tbody>
</table>

### Physical

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED Package</td>
<td>2835</td>
</tr>
<tr>
<td>Cut Increments</td>
<td>4” (non-field cuttable - Factory prep only)</td>
</tr>
<tr>
<td>LEDs/ft</td>
<td>36</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°F (-40°C) ~ 140°F (60°C)</td>
</tr>
<tr>
<td>Environment</td>
<td>IP67 Wet Location, Conformally Coated</td>
</tr>
<tr>
<td>Maximum Run Length</td>
<td>32’</td>
</tr>
<tr>
<td>Copper Trace</td>
<td>3 Ounce</td>
</tr>
<tr>
<td>Adhesive</td>
<td>3M VHB Tape</td>
</tr>
<tr>
<td>Dimension</td>
<td>1/2” (12.7mm) Jacket</td>
</tr>
</tbody>
</table>

### Performance

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certification</td>
<td>UL Listed</td>
</tr>
<tr>
<td>Lumen Maintenance (L70) Hours</td>
<td>60,000</td>
</tr>
<tr>
<td>Binning Tolerance</td>
<td>2 Step MacAdam Ellipse</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 Years</td>
</tr>
</tbody>
</table>
Power Leads and Jumpers (Installed by Tivoli’s certified solderers)

TPL-VA-O-LEAD-C
LEAD END
24” standard 4 conductor 20AWG lead wire factory attached to one end of tape.

TPL-VA-O-LEAD-D
LEAD/LEAD
24” standard 4 conductor 20AWG lead wire factory attached to both ends of tape.

TPL-VA-O-XEP
EXTRA LEAD WIRE
Additional factory attached 20AWG lead wire to extend lengths of LEAD-C and LEAD-D up to 20 ft max. Sold per foot (not shipped as spooled wire).

TPL-O-CONN
18-22AWG BUTT CONNECTORS
Used to interconnect factory attached lead wires. Sold individually. (4 ea required per connection).

Mounting Channel

M CHAN

MCHAN-8-LP
Low profile mounting channel, clear polycarbonate, length 8’.

NOTE: No Lens option

EDGE

EDGE-CHAN-SLV-6.5
Anodized Aluminum Extrusion, available in 6.5’ lengths

EDGE-LNS-OP-6.5
Lens, opal, length 6.5’

EDGE-EC-01
Solid End Cap

EDGE-EC-02
Powerfeed End Cap
VARIABLE “Tunable White” TivoTape™ Outdoor (factory installed power lead wires)

WARNER

![Image of Warners product](image)

**WRNR-CHAN-SLV-6.5**
Anodized Aluminum Extrusion, available in 6.5’ lengths

**WRNR-LNS-OP-6.5**
Lens, opal, length 6.5’

**WRNR-EC-01**
Solid End Cap

**WRNR-EC-02**
Powerfeed End Cap

**WRNR-MTBK**
Mounting Clip

HORIZON

![Image of Horizons product](image)

**HRIZ-CHAN-SLV-6.5**
Anodized Aluminum Extrusion, available in 6.5’ lengths

**HRIZ-LNS-OP-6.5**
Lens, opal, length 6.5’

**HRIZ-EC-01**
Solid End Cap

**HRIZ-EC-02**
Powerfeed End Cap

DOME

![Image of Domes product](image)

**DOME-CHAN-SLV-6.5**
Anodized Aluminum Extrusion, available in 6.5’ lengths

**DOME-LNS-OP-6.5**
Lens, opal, length 6.5’

**DOME-EC-01**
Solid End Cap

**DOME-EC-02**
Powerfeed End Cap

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ALTON

ALTN-CHAN-SLV-6.5
Anodized Aluminum Extrusion, Available in 6.5’ lengths

ALTN-LNS-OPL-6.5
Lens, Opal, 6.5’ length

ALTN-LNS-CLR-6.5
Lens, Clear, 6.5’ length

ALTN-LNS-DIF-6.5
Lens, Diffuser, 6.5’ length

ALTN-EC-01
Solid End Cap

ALTN-EC-02
Powerfeed End Cap

NOYES

NOYS-CHAN-SLV-6.5
Anodized Aluminum Extrusion, Available in 6.5’ lengths

NOYS-LNS-OPL-6.5
Lens, Opal, 6.5’ length

NOYS-LNS-CLR-6.5
Lens, Clear, 6.5’ length

NOYS-LNS-DIF-6.5
Lens, Diffuser, 6.5’ length

NOYS-EC-01
Solid End Cap

NOYS-EC-02
Powerfeed End Cap

NOYS-SPRING-CLP
Clip, Spring, Metal

MOFETT

MOFT-CHAN-SLV-6.5
Anodized Aluminum Extrusion, Available in 6.5’ lengths

MOFT-LNS-OPL-6.5
Lens, Opal, 6.5’ length

MOFT-LNS-CLR-6.5
Lens, Clear, 6.5’ length

MOFT-LNS-DIF-6.5
Lens, Diffuser, 6.5’ length

MOFT-EC-01
Solid End Cap

MOFT-EC-02
Powerfeed End Cap

MOFT-CLP-SLV
Clip, Metal

Tivoli, LLC. reserves the right to modify this specification without prior notice.
MARSALA

Anodized Aluminum Extrusion, available in 6.5’ lengths

Lens, opal, length 6.5’

Lens, clear, length 6.5’

Lens, diffuser, length 6.5’

Solid End Cap

Powerfeed End Cap

Clip, Metal

Power Supplies

**ADNM - 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>
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<tbody>
<tr>
<td>ADNM Series Class 2 Transformer</td>
<td>ADNM-90-1-4-24-VW</td>
<td>Indoor / Outdoor</td>
<td>100-277V AC 50/60 Hz</td>
<td>24V DC</td>
<td>1</td>
<td>90W</td>
<td>3.75A</td>
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<tr>
<td></td>
<td>ADNM-120-1-4-24-VW</td>
<td>bps 1</td>
<td>96W</td>
<td>4A</td>
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<td></td>
<td>ADNM-240-2-4-24-VW</td>
<td>2x96W</td>
<td>2x4A</td>
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<td></td>
<td>ADNM-320-3-4-24-VW</td>
<td>3x96W</td>
<td>3x4A</td>
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**ADNM - VARIABLE / DMX MULTI ADDRESS**

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<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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<tbody>
<tr>
<td>ADNM Series Class 2 Transformer</td>
<td>ADNM-240-2-4-24-VW-2</td>
<td>Indoor / Outdoor</td>
<td>100-277V AC 50/60 Hz</td>
<td>24V DC</td>
<td>2</td>
<td>2x96W</td>
<td>2x4A</td>
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<td></td>
<td>ADNM-320-3-4-24-VW-3</td>
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<td>3x4A</td>
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**Recommended DMX Sub-Controller**

<table>
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<tr>
<th>DESCRIPTION</th>
<th>CAT NO</th>
<th>MODES</th>
<th>WATTAGE</th>
<th>PRIMARY VOLTAGE</th>
<th>DIMENSION</th>
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</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” W X 6.46” L X 1.45” H</td>
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### Recommended DMX Controller

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CAT NO</th>
<th>APPLICATION</th>
<th>INPUT VOLTAGE</th>
<th>OUTPUT PROTOCOL</th>
<th>MAX UNIVERSE</th>
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<tbody>
<tr>
<td>DMX Controller</td>
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<tr>
<td>DMX Controller</td>
<td>TVOQ-1-WH</td>
<td>Indoor</td>
<td>5V DC</td>
<td>DMX 512</td>
<td>1</td>
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<tr>
<td></td>
<td>TVOQ-2-BK</td>
<td></td>
<td>6V DC</td>
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<tr>
<td></td>
<td>TVOQ-2-WH</td>
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<td>6-7V DC</td>
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<td>TVOQ-10-BK-7</td>
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<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>TVOQ-10-WH-7</td>
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<td></td>
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</tbody>
</table>

**DIMMING - DMX**

- **Recommended DMX Controller**
  - **TVOQ-10-XX-7**
    - XX = BK (Black), WH (White)
  - **TVOQ-2-XX**
    - XX = BK (Black), WH (White)

### Accessories

- **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.