## VALENT® X 24V
High Density LED Tape Light

Precision-engineered, high density tape light for demanding applications. Up to 900+ lumens per foot with 95+ CRI / 90+ R9. 12 year warranty.

### FEATURES
- Dense LED placement for uninterrupted linear light
- 100/200/300/500/800 lumen outputs
- 95+ CRI
- 1.32 inch cuttable increments
- Precision color rendering with 90+ R9 value
- Channel (extrusion) not required for heat sink
- 12 Year limited warranty

### ORDERING CODES
Order spoons, and components for field assembly

<table>
<thead>
<tr>
<th></th>
<th>DI</th>
<th>Model</th>
<th>CCT</th>
<th>Length</th>
<th>Channels</th>
<th>Finish</th>
<th>Mounting</th>
<th>Driver</th>
<th>DELIVERY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lucetta Lighting</td>
<td>24V</td>
<td>VLX1</td>
<td>2400K</td>
<td>1W/ft.</td>
<td>1.32 in.</td>
<td>139 Lm/ft.</td>
<td>3500K</td>
<td>176°F</td>
<td>12 Year</td>
</tr>
<tr>
<td>Voltage</td>
<td>24VDC</td>
<td>VLX2</td>
<td>2700K</td>
<td>1.9W/ft.</td>
<td>139 Lm/ft.</td>
<td>3500K</td>
<td>176°F</td>
<td>12 Year</td>
<td></td>
</tr>
<tr>
<td>Wattage</td>
<td></td>
<td>VLX3</td>
<td>3000K</td>
<td>2.8W/ft.</td>
<td>139 Lm/ft.</td>
<td>3500K</td>
<td>176°F</td>
<td>12 Year</td>
<td></td>
</tr>
<tr>
<td>Luminaires</td>
<td>3500K</td>
<td>VLX5</td>
<td>4000K</td>
<td>4.6W/ft.</td>
<td>139 Lm/ft.</td>
<td>3500K</td>
<td>176°F</td>
<td>12 Year</td>
<td></td>
</tr>
<tr>
<td>Lumens</td>
<td>3500K</td>
<td>VLX8</td>
<td>5000K</td>
<td>7.2W/ft.</td>
<td>139 Lm/ft.</td>
<td>3500K</td>
<td>176°F</td>
<td>12 Year</td>
<td></td>
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<tr>
<td>Cut Points</td>
<td></td>
<td></td>
<td>112 Lm/ft.</td>
<td>139 Lm/ft.</td>
<td>139 Lm/ft.</td>
<td>3500K</td>
<td>176°F</td>
<td>12 Year</td>
<td></td>
</tr>
<tr>
<td>Max Run (ft.)</td>
<td>80 ft.</td>
<td></td>
<td>139 Lm/ft.</td>
<td>139 Lm/ft.</td>
<td>139 Lm/ft.</td>
<td>3500K</td>
<td>176°F</td>
<td>12 Year</td>
<td></td>
</tr>
<tr>
<td>Max Run (Class 2)</td>
<td>80 ft.</td>
<td></td>
<td>139 Lm/ft.</td>
<td>139 Lm/ft.</td>
<td>139 Lm/ft.</td>
<td>3500K</td>
<td>176°F</td>
<td>12 Year</td>
<td></td>
</tr>
<tr>
<td>CRI</td>
<td>95+</td>
<td></td>
<td>139 Lm/ft.</td>
<td>139 Lm/ft.</td>
<td>139 Lm/ft.</td>
<td>3500K</td>
<td>176°F</td>
<td>12 Year</td>
<td></td>
</tr>
</tbody>
</table>

### OPTIONAL ORDERING CODES
Add Length, Assembly Preferences, and Finish

<p>| | | | | | | | | |</p>
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Driver</td>
<td>ELV</td>
<td>MAG</td>
<td>PoE</td>
<td>MAG</td>
<td>PoE</td>
<td>MAG</td>
<td>PoE</td>
<td>MAG</td>
</tr>
<tr>
<td></td>
<td>SWX</td>
<td>MAG</td>
<td>PoE</td>
<td>MAG</td>
<td>PoE</td>
<td>MAG</td>
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<td>MAG</td>
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<td></td>
</tr>
</tbody>
</table>

### 24V VALENT® X - SPECIFICATION TABLE

<table>
<thead>
<tr>
<th>Models</th>
<th>24V-VLX1</th>
<th>24V-VLX2</th>
<th>24V-VLX3</th>
<th>24V-VLX5</th>
<th>24V-VLX8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>24VDC</td>
<td>24VDC</td>
<td>24VDC</td>
<td>24VDC</td>
<td>24VDC</td>
</tr>
<tr>
<td>Wattage</td>
<td>1W/ft.</td>
<td>1.9W/ft.</td>
<td>2.8W/ft.</td>
<td>4.6W/ft.</td>
<td>7.2W/ft.</td>
</tr>
</tbody>
</table>

### Specifications
- 120V, 1200 lumens/foot, 95+ CRI, 12 year warranty
- LED placement for uninterrupted linear light
- 100/200/300/500/800 lumen outputs
- 95+ CRI
- 1.32 inch cuttable increments
- Precision color rendering with 90+ R9 value
- Channel (extrusion) not required for heat sink
- 12 Year limited warranty

### Ordering Information
- Downloads: [https://www.dioded.com/valent-x-led-tape-light.html](https://www.dioded.com/valent-x-led-tape-light.html)

**Date**

**Project Notes**
## RECOMMENDED CHANNELS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DIAGRAM</th>
<th>INCLUDED ACCESSORIES</th>
<th>CONNECTION OPTIONS</th>
<th>IN CHANNEL DIFFUSION</th>
<th>TECHNICAL RATINGS</th>
<th>MOUNTING OPTIONS WITH DIMENSIONS</th>
</tr>
</thead>
</table>
| S1 Channel    | ![Diagram](image1.png) | Height (W): 0.23 in.  
Width (L): 0.27 in.  
Depth (D): 0.30 in. | 48 in. channel & frosted cover  
4x surface mounting clips  
1x end cap: 1x open, 1x closed. | 12 in. Tape Light: Soldered Lead Only  
Classic Frosted Lens | Beam Angle: 100°  
CCT Shift: 40K  
Light Loss: 20%  
IP Rating Shift: IP40 | U Clip: 0.32 x 0.68 in. (4 x W) |
|               |         |                      |                    |                      |                                                       |                                  |
| S2 Channel    | ![Diagram](image2.png) | Height (W): 0.33 in.  
Width (L): 0.33 in.  
Depth (D): 0.38 in. | 48 in. channel & frosted lens, 1 open end cap, 1 closed end cap, 2 mounting clips, 2 mounting screws.  
96 in. channel & frosted lens, 2 open end cap, 2 closed end cap, 4 mounting clips, 4 mounting screws. | 12 in. Terminal Block Compatible  
Classic Frosted Lens | Beam Angle: 100°  
CCT Shift: 40K  
Light Loss: 20%  
IP Rating Shift: IP40 | U Clip: 0.58 x 0.75 in. (4 x W) |
| S45 Channel   | ![Diagram](image3.png) | Height (W): 0.78 in.  
Width (L): 0.78 in.  
Depth (D): 0.80 in. | 48 in. channel & frosted lens, 1 open end cap, 1 closed end cap, 2 mounting clips, 2 mounting screws.  
96 in. channel & frosted lens, 2 open end cap, 2 closed end cap, 4 mounting clips, 4 mounting screws. | 12 in. Terminal Block Compatible  
Classic Frosted Lens | Beam Angle: 100°  
CCT Shift: 40K  
Light Loss: 20%  
IP Rating Shift: IP40 | U Clip: 0.79 x 0.79 in. (4 x W) |
| Slim Channel  | ![Diagram](image4.png) | Height (W): 0.38 in.  
Width (L): 0.32 in.  
Depth (D): 0.31 in. | 48 in. channel & lens  
4x surface mounting clips  
end cap: 1x open, 1x closed.  
96 in. channel & lens  
6x channel & lens  
6x surface mounting clips  
end cap: 3x open, 3x closed. | 12 in. Terminal Block Compatible  
Architectural Frosted Lens  
Architectural Clear Lens  
Premium Diffusion Lens | Beam Angle: 100°  
CCT Shift: 30K  
Light Loss: 10%  
Architectural Frosted Lens  
CCT Shift: 35K  
Light Loss: 10%  
Premium Diffusion Lens | Slim Mount: 0.54 x 0.67 in. (4 x W)  
3M Adhesive: 0.64 x 0.75 in. (4 x W)  
Magnetic U Clip: 0.58 x 0.75 in. (4 x W)  
Premium Diffusion: 0.96 x 0.82 in. (4 x W)  
For diffusion options not listed, refer to Slim Channel Specification Sheet.
# VALENT® X 24V
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## RECOMMENDED CHANNELS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DIAGRAM</th>
<th>INCLUDED ACCESSORIES</th>
<th>CONNECTION OPTIONS</th>
<th>IN CHANNEL DIFFUSION</th>
<th>TECHNICAL RATINGS</th>
<th>MOUNTING OPTIONS WITH DIMENSIONS</th>
</tr>
</thead>
</table>
| Canal Channel  
DI-CPCHB-CAN  
[CA]  
48", 96"  
Aluminum, White, Black  
For VALENT Tape lights or in-channel | Height (H): 0.23 in.  
Width (W): 0.25 in.  
Interior Depth (D): 0.34 in.  
Interior Width (I): 0.59 in.  
�  
ennon |  
48" Aluminum, Black, & White Channels  
+  
48" channel & opal lens  
+  
4x surface mounting clips  
+  
End caps: 1x open, 1x closed.  
96" Aluminum, Black, & White Channels 
+  
96" channel & opal lens  
+  
4x surface mounting clips  
+  
End caps: 2x open, 2x closed. | --- | --- | --- |
| 16mm Square Channel  
DI-CPCHB-16MM  
[CA]  
48", 96"  
Aluminum  
For VALENT Tape lights or in-channel | Height (H): 0.09 in.  
Width (W): 0.10 in.  
Interior Width (I): 0.03 in.  
�  
ennon |  
48" channel & Architectural Frosted Lens 
+  
4x surface mounting clips 
+  
End caps: 1x open, 1x closed.  
96" channel & Architectural Frosted Lens 
+  
4x surface mounting clips 
+  
End caps: 2x open, 2x closed. | --- | --- | --- |
| 20mm Round Channel  
DI-CPCHB-RC20  
[CA]  
48", 96"  
Aluminum  
For VALENT Tape lights or in-channel | Height (H): 0.10 in.  
Width (W): 0.11 in.  
Interior Width (I): 0.03 in.  
�  
ennon |  
48" channel & frosted lens 
+  
4x surface mounting clips 
+  
End caps: 1x open, 1x closed.  
96" channel & frosted lens 
+  
4x surface mounting clips 
+  
End caps: 2x open, 2x closed. | --- | --- | --- |
| 20mm Square Channel  
DI-CPCHB-SQC20  
[CA]  
48", 96"  
Aluminum  
For VALENT Tape lights or in-channel | Height (H): 0.10 in.  
Width (W): 0.11 in.  
Interior Width (I): 0.03 in.  
�  
ennon |  
48" channel & frosted lens 
+  
4x surface mounting clips 
+  
End caps: 1x open, 1x closed.  
96" channel & frosted lens 
+  
4x surface mounting clips 
+  
End caps: 2x open, 2x closed. | --- | --- | --- |
# VALENT® X 24V

## High Density LED Tape Light

Precision-engineered, high density tape light for demanding applications. Up to 900+ lumens per foot with 95+ CRI / 90+ R9. 12 year warranty.

## RECOMMENDED CHANNELS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DIAGRAM</th>
<th>INCLUDED ACCESSORIES</th>
<th>CONNECTION OPTIONS</th>
<th>IN CHANNEL DIFFUSION</th>
<th>TECHNICAL RATINGS</th>
<th>MOUNTING OPTIONS WITH DIMENSIONS</th>
</tr>
</thead>
</table>
| **Square Channel**

DI-CPCHB-SQ

(90°)

Aluminum, White, Black

For frame tape lights or ceiling installations

<table>
<thead>
<tr>
<th>Height (H): 0.25 in.</th>
<th>Width (W): 0.92 in.</th>
<th>Depth (D): 0.87 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>45° Aluminum Channel:</td>
<td>48 in. channel &amp; frosted cover + Mounting hardware + End cap: 1x open, 3x closed.</td>
<td></td>
</tr>
<tr>
<td>45° Black &amp; White Channels:</td>
<td>48 in. channel &amp; frosted cover + Mounting hardware + End cap: 2x open, 2x closed.</td>
<td></td>
</tr>
<tr>
<td>45° Black &amp; White Channels:</td>
<td>48 in. channel &amp; frosted cover + Mounting hardware + End cap: 2x open, 2x closed.</td>
<td></td>
</tr>
<tr>
<td>45° Black &amp; White Channels:</td>
<td>48 in. channel &amp; frosted cover + Mounting hardware + End cap: 2x open, 2x closed.</td>
<td></td>
</tr>
<tr>
<td>45° Black &amp; White Channels:</td>
<td>48 in. channel &amp; frosted cover + Mounting hardware + End cap: 2x open, 2x closed.</td>
<td></td>
</tr>
<tr>
<td>45° Black &amp; White Channels:</td>
<td>48 in. channel &amp; frosted cover + Mounting hardware + End cap: 2x open, 2x closed.</td>
<td></td>
</tr>
</tbody>
</table>

**12mm Terminal Block Compatible**

Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted

| Beam Angle: 10° |
| Architectural Clear Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |

**Soldered Lead**

Chromapath Surface Mount 0.61 x 0.62 in. (15 x 16 in)

| Mounting Clip: 1.51 x 0.82 in. (38 x 20 in) |

**45° Channel**

DI-CPCHB-45

(90°)

Aluminum, White, Black

For frame tape lights or ceiling installations

<table>
<thead>
<tr>
<th>Height (H): 0.24 in.</th>
<th>Width (W): 0.73 in.</th>
<th>Depth (D): 0.87 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>45° Aluminum, Black &amp; White Channel:</td>
<td>48 in. channel &amp; frosted cover + Mounting hardware + End cap: 2x open, 2x closed.</td>
<td></td>
</tr>
<tr>
<td>45° Black &amp; White Channel:</td>
<td>48 in. channel &amp; frosted cover + Mounting hardware + End cap: 2x open, 2x closed.</td>
<td></td>
</tr>
<tr>
<td>45° Black &amp; White Channel:</td>
<td>48 in. channel &amp; frosted cover + Mounting hardware + End cap: 2x open, 2x closed.</td>
<td></td>
</tr>
<tr>
<td>45° Black &amp; White Channel:</td>
<td>48 in. channel &amp; frosted cover + Mounting hardware + End cap: 2x open, 2x closed.</td>
<td></td>
</tr>
<tr>
<td>45° Black &amp; White Channel:</td>
<td>48 in. channel &amp; frosted cover + Mounting hardware + End cap: 2x open, 2x closed.</td>
<td></td>
</tr>
</tbody>
</table>

**12mm Terminal Block Compatible**

Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted

| Beam Angle: 10° |
| Architectural Clear Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |

**Soldered Lead**

Chromapath Surface Mount 0.61 x 0.62 in. (15 x 16 in)

| Mounting Clip: 1.51 x 0.82 in. (38 x 20 in) |

**45° Deco Channel**

DI-CPCHB-45DCO

(90°)

Aluminum

For frame tape lights or ceiling installations

<table>
<thead>
<tr>
<th>Height (H): 0.73 in.</th>
<th>Width (W): 0.73 in.</th>
<th>Depth (D): 0.82 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>48 in. channel &amp; frosted cover Mounting hardware End cap: 1x open, 3x closed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>48 in. channel &amp; frosted cover Mounting hardware End cap: 2x open, 2x closed.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**12mm Tape Light: Soldered Lead Only**

Classic Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted

| Beam Angle: 10° |
| Architectural Clear Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |

**Soldered Lead**

Chromapath Surface Mount 0.61 x 0.62 in. (15 x 16 in)

| Mounting Clip: 0.73 x 0.72 in. (19 x 18 in) |

**90° Sideview Channel**

DI-CPCHB-90SSD

(90°)

Aluminum

For frame tape lights or ceiling installations

<table>
<thead>
<tr>
<th>Height (H): 0.32 in.</th>
<th>Width (W): 0.83 in.</th>
<th>Depth (D): 0.85 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>48 in. channel &amp; frosted cover Mounting hardware End cap: 1x open, 3x closed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>48 in. channel &amp; frosted cover Mounting hardware End cap: 2x open, 2x closed.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**12mm Tape Light: Soldered Lead Only**

Classic Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted

| Beam Angle: 10° |
| Architectural Clear Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |
| Architectural Frosted Lens (VF1, VLX2, VLX3, VLX5, VLX8) Dotted |

**Soldered Lead**

Chromapath Surface Mount 0.61 x 0.62 in. (15 x 16 in)

| Mounting Clip: 0.72 x 0.72 in. (19 x 18 in) |

## Specification Sheet

- VALENT® X High Density LED Tape Light
- SS1012023
- 4.5

### Project Notes

- Date: https://www.diodeled.com/valent-x-led-tape-light.html
- 12 Year Warranty
- IP20
- 24V DC
- NEC Title 24
## RECOMMENDED CHANNELS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DIAGRAM</th>
<th>INCLUDED ACCESSORIES</th>
<th>CONNECTION OPTIONS</th>
<th>IN CHANNEL DIFFUSION</th>
<th>TECHNICAL RATINGS</th>
<th>MOUNTING OPTIONS WITH DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reflector Channel</strong>&lt;br&gt;DI-CPCHB-BFCTR&lt;br&gt;(RE)&lt;br&gt;48”, 96”&lt;br&gt;Aluminum&lt;br&gt;For 12mm Tape lights or smaller</td>
<td><img src="image" alt="Diagram" /></td>
<td>6 ft channel &amp; framed cover&lt;br&gt;12mm Tape Light: Soldered Lead Only</td>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
<td>Recessed Mount: 0.81 x 0.87 in. (4 x 6 in)</td>
</tr>
</tbody>
</table>

| **1-inch Mud-In Channel**<br>DI-CPCHB-MUD1<br>(RMD)<br>48”, 96”<br>Aluminum<br>For 12mm Tape lights or smaller | ![Diagram](image) | 96 in. channel & opal lens<br>2x surface mounting clips<br>50 caps: 25 open, 25 closed | ![Diagram](image) | ![Diagram](image) | ![Diagram](image) | Recessed Mount: 0.54 x 2.42 in. (4 x 6 in) |

| **2-inch Mud-In Channel**<br>DI-CPCHB-MUD2<br>(RMD)<br>48”, 96”<br>Aluminum<br>For 12mm Tape lights or smaller | ![Diagram](image) | 96 in. channel & opal lens<br>2x surface mounting clips<br>50 caps: 25 open, 25 closed | ![Diagram](image) | ![Diagram](image) | ![Diagram](image) | Recessed Mount: 0.6 x 3.86 in. (4 x 6 in) |

| **Recessed Channel**<br>DI-CPCHB-REC<br>(REC)<br>48”, 96”<br>Aluminum<br>For 12mm Tape lights or smaller | ![Diagram](image) | 6 ft channel, framed lens<br>4x surface mounting clips<br>50 caps: 25 open, 25 closed | ![Diagram](image) | ![Diagram](image) | ![Diagram](image) | 3M Adhesive: 0.59 x 1.03 in. (4 x 6 in) |
VALENT® X 24V
High Density LED Tape Light
Precision-engineered, high density tape light for demanding applications.
Up to 900+ lumens per foot with 95+ CRI / 90+ R9. 12 year warranty.

Date

Project Notes

RECOMMENDED 24V DRIVERS

<table>
<thead>
<tr>
<th>SKU</th>
<th>INPUT VOLTAGE / FREQUENCY</th>
<th>OUTPUT VOLTAGE</th>
<th>MAXIMUM LOAD</th>
<th>MINIMUM LOAD</th>
<th>CLASS 2</th>
<th>DIMMABLE</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DI-ODX-24V30W-J</td>
<td>120-277V</td>
<td>24V</td>
<td>30W</td>
<td>No minimum load</td>
<td>Yes</td>
<td>Yes</td>
<td>6.5 in.</td>
<td>3.7 in.</td>
<td>1.36 in.</td>
</tr>
<tr>
<td>DI-ODX-24V60W-J</td>
<td>120-277V</td>
<td>24V</td>
<td>60W</td>
<td>No minimum load</td>
<td>Yes</td>
<td>Yes</td>
<td>7.4 in.</td>
<td>3.7 in.</td>
<td>1.36 in.</td>
</tr>
<tr>
<td>DI-ODX-24V96W-J</td>
<td>120-277V</td>
<td>24V</td>
<td>96W</td>
<td>No minimum load</td>
<td>Yes</td>
<td>Yes</td>
<td>8.66 in.</td>
<td>3.7 in.</td>
<td>1.36 in.</td>
</tr>
</tbody>
</table>

OMNIDRIVE® X Dimmable Driver
Versatile driver for most high-performance dimming on ELV, TRIAC, and 0-10V systems.

OMNIDRIVE® Electronic Dimmable Driver
Our classic electronic dimmable (ELV) driver. Superior dimming and wide compatibility with popular dimmers.

VLM Series Constant Voltage Driver
Compact driver for on/off, PWM dimming, and color-changing applications.

PoE (Power over Ethernet)
Constant voltage platform, ready for Power over Ethernet (inquire)

RECOMMENDED CONTROLLERS

<table>
<thead>
<tr>
<th>SKU</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBU-PWM4</td>
<td>CASAMBI PWM4 Single Color Dimming Controller</td>
</tr>
<tr>
<td>CBU-AZD</td>
<td>CASAMBI AZD 2 Channel 0-10V/DALI Controller</td>
</tr>
<tr>
<td>CBU-ASR</td>
<td>CASAMBI ASR 0-10V Controller</td>
</tr>
<tr>
<td>CBU-TED</td>
<td>CASAMBI TED AC High Voltage Controller</td>
</tr>
</tbody>
</table>

SWITCHEX® Driver and Dimmer Switch
LED driver and dimmer switch combined in a single gang box.

DI-24V-SE-60W | SWITCHEX 24V Switch/Driver Combo – 60W |
DI-24V-SE-100W | SWITCHEX 24V Switch/Driver Combo – 100W |
VALENT® X 24V
High Density LED Tape Light

Precision-engineered, high density tape light for demanding applications. Up to 900+ lumens per foot with 95+ CRI / 90+ R9. 12 year warranty.

MECHANICAL DIAGRAMS

<table>
<thead>
<tr>
<th>24V-VLX1</th>
<th>24V-VLX2</th>
<th>24V-VLX3</th>
<th>24V-VLX5</th>
<th>24V-VLX8</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.32 in. (34 mm)</td>
<td>0.47 in. (12 mm)</td>
<td>0.1 in. (3 mm)</td>
<td>0.1 in. (3 mm)</td>
<td>0.1 in. (3 mm)</td>
</tr>
</tbody>
</table>

CONNECTIONS

36 in. Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief

36 in. Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief
VALENT® X 24V
High Density LED Tape Light

Precision-engineered, high density tape light for demanding applications. Up to 900+ lumens per foot with 95+ CRI / 90+ R9. 12 year warranty.

**ACCESSORIES**

DI-TB12-CONN-TTW
Tape Light Terminal Block Connector, Screw Down, 12mm, Tape-To-Wire - pack of 5

DI-TB12-CONN-TTT
12mm Tape-to-Tape Connector

DI-TB12-90-TTT
12mm 90° Tape-to-Tape Connector

DI-TB12-60SPL-TTW
Splice Wire (Tape-to-Wire) (60 in.)

DI-TB12-6JPR-TTT
Jumper Cable (Tape-to-Tape) (6 in.)

DI-TB12-60JPR-TTT
Jumper Cable (Tape-to-Tape) (60 in.)

**DELIVERY OPTIONS**

- **Field Assembly**
  Stock items for in-field assembly. Fastest order fulfillment.

- **Factory + Field (Hybrid)**
  Finished lengths of light with leads. CHANNELS either bulk or factory finished. Some field assembly required.

- **Factory Assembly**
  Fastest installation: fixtures fully assembled in the factory.

**Project Notes**

- Lumen value measured in accordance to IES LM-80-08. LED chips have a luminous flux range with a tolerance of +/- 5%.
- Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length. Max run may exceed Class 2 limit. Actual wattage may differ from calculated wattage due to voltage drop across run.
- Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.
- Actual efficacy value is dependent to specified LED driver (power supply). An estimated efficacy value can be calculated as follows: Lumen value divided by average power consumption per foot.
- Operating temperature is measured according to the minimum and maximum ambient temperature environment.
VALENT® X 24V
High Density LED Tape Light
Precision-engineered, high density tape light for demanding applications. Up to 900+ lumens per foot with 95+ CRI / 90+ R9. 12 year warranty.

Specifications:
- High Density LED Tape Light
- VALENT® X
- SS10112023

Certifications:
- UL Listed
- Field Cuttable
- CE & EMC Compliant
- RoHS Compliant
- CE & EMC Compliant

Warranty:
- 12 Year Limited Warranty:
  - This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at www.dioted.com/limited-warranty/ within the Policies section. For warranty related questions please contact product support.

Environmental Conditions:
- RoHS Compliant: Verification No. CANEC1610091501
- Can be used to comply with TIDLE 24 Part 6 High Efficacy Lighting LED requirements
- LED chip data measured in accordance to IES LM-80-08
- Photometric & Colorimetry data measured in accordance to IES LM-79-08, in Elemental LED's Innovation Lab.

Safety / Warnings / Disclosures:
1. Install in accordance with national and local electrical code regulations.
2. This product is intended to be installed and serviced by a qualified, licensed electrician.
3. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
4. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
5. Tape light, attached wire leads, and additional extension cables, connectors, etc., are not rated for in-wall installation unless otherwise noted. Tape light and attached wire leads are field-cutable.
6. 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 fire.
7. Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.
8. Do not install in environment where excessive heat may exist (e.g. close proximity to fireplace, etc.) See Ambient Temperature ratings.
9. Do not install indoor LED tape light products in outdoor / wet location environments. Only wet location tape light models are rated for outdoor / wet locations.
10. Do not modify product beyond instructions or warranty will be void.
11. Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
12. Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
13. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.