## 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

### ORDER SPOOLS, and components for field assembly

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Model</th>
<th>CCT</th>
<th>Length</th>
<th>Channels</th>
<th>Finish</th>
<th>Lens</th>
<th>Mounting</th>
<th>Driver</th>
<th>Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>VLX2</td>
<td>22 (2000K)</td>
<td>40 (4000K)</td>
<td>100 (100 feet)</td>
<td>A2 (A2)</td>
<td>SL (1m)</td>
<td>Black</td>
<td>BL (Black)</td>
<td>(Reflect)</td>
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<tr>
<td></td>
<td>VLX3</td>
<td>24 (2400K)</td>
<td>50 (5000K)</td>
<td>27 (2700K)</td>
<td>A3 (A3)</td>
<td>CA (Can)</td>
<td>White</td>
<td>WH</td>
<td>Optical Lens (Arch. Frosted Lens)</td>
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<tr>
<td></td>
<td>VLX5</td>
<td>24 (2400K)</td>
<td>63 (6300K)</td>
<td>55 (5500K)</td>
<td>S1 (S1)</td>
<td>16 (16mm Square)</td>
<td>White</td>
<td>WH</td>
<td>Optical Lens (Classic Frosted Lens)</td>
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<td></td>
<td>VLX6</td>
<td>24 (2400K)</td>
<td>63 (6300K)</td>
<td>72 (72mm Round)</td>
<td>C x (C x)</td>
<td>M6 (1-inch Mod-in)</td>
<td>White</td>
<td>WH</td>
<td>Optical Lens (Classic Frosted Lens)</td>
</tr>
</tbody>
</table>

### OPTIONAL ORDERING CODES
Add Assembly Preferences, Finish, Lens, Mounting, Driver, and Delivery

### VALENT® X - SPECIFICATION TABLE

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<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>
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<tbody>
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<td>194 Lm/ft.</td>
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<td>228 Lm/ft.</td>
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<td>5000K</td>
<td>116 Lm/ft.</td>
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<td>Max Run (ft.)</td>
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<td>CRI</td>
<td>95+</td>
<td>95+</td>
<td>95+</td>
<td>95+</td>
<td>95+</td>
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<td>Environment</td>
<td>Indoor / Damp Location (IP20)</td>
<td>Indoor / Damp Location (IP20)</td>
<td>Indoor / Damp Location (IP20)</td>
<td>Indoor / Damp Location (IP20)</td>
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<td>Ambient Temperature</td>
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<td>-4 ~ 122°F (20 ~ 50°C)</td>
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</table>
## 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.

### CHANNEL / LENS / MOUNTING COMPATIBILITY

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<thead>
<tr>
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<th>Compatible Lenses</th>
<th>Available Finishes</th>
<th>Mounting Options</th>
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<tr>
<td>A1 (A1)</td>
<td>FRT</td>
<td>AL / WH / BL</td>
<td>UC</td>
</tr>
<tr>
<td>A2 (A2)</td>
<td>CLT / FRT / AFS</td>
<td>AL / WH / BL</td>
<td>UC</td>
</tr>
<tr>
<td>A3 (A3)</td>
<td>CLT / FRT / AFS</td>
<td>AL / WH / BL</td>
<td>UC</td>
</tr>
<tr>
<td>S1 (S1)</td>
<td><em>blank</em></td>
<td>AL</td>
<td>UC</td>
</tr>
<tr>
<td>S2 (S22)</td>
<td><em>blank</em></td>
<td>AL</td>
<td>UC</td>
</tr>
<tr>
<td>S45 (S45)</td>
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<td>AL</td>
<td>UC</td>
</tr>
<tr>
<td>S5 (Slam)</td>
<td><em>blank</em> / CLT / FRT / BL / PD</td>
<td>AL / WH / BL</td>
<td>MC / 3M / MAG</td>
</tr>
<tr>
<td>CA (Canal)</td>
<td>OPT</td>
<td>AL / WH / BL</td>
<td>UC</td>
</tr>
<tr>
<td>16 (16mm Square)</td>
<td>FRT</td>
<td>AL</td>
<td>MC</td>
</tr>
<tr>
<td>RC20 (20mm Round)</td>
<td><em>blank</em></td>
<td>AL</td>
<td>UC</td>
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<tr>
<td>SQ20 (20mm Square)</td>
<td><em>blank</em></td>
<td>AL</td>
<td>UC</td>
</tr>
<tr>
<td>SQ (Square)</td>
<td><em>blank</em> / CLT / FRT / BL / PD</td>
<td>AL / WH / BL</td>
<td>MC / VC / RC / HNG</td>
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<tr>
<td>45 (45°)</td>
<td><em>blank</em> / CLT / FRT / BL / PD</td>
<td>AL / WH / BL</td>
<td>MC / VC / RC / HNG</td>
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<tr>
<td>45DCO (45° Deco)</td>
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<td>AL</td>
<td>MC</td>
</tr>
<tr>
<td>90 (90° Sideview)</td>
<td><em>blank</em></td>
<td>AL</td>
<td>MC</td>
</tr>
<tr>
<td>REF (Reflector)</td>
<td><em>blank</em></td>
<td>AL</td>
<td></td>
</tr>
<tr>
<td>ROD (Rod)</td>
<td><em>blank</em></td>
<td>AL</td>
<td>RC / CLO / ART / ARM</td>
</tr>
<tr>
<td>M1 (1-inch Mud-In)</td>
<td>OPT</td>
<td>AL</td>
<td></td>
</tr>
<tr>
<td>M2 (2-inch Mud-In)</td>
<td>OPT</td>
<td>AL</td>
<td></td>
</tr>
<tr>
<td>REC (Recessed)</td>
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<td>AL</td>
<td>3M</td>
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### LEGEND

<table>
<thead>
<tr>
<th>Lens</th>
<th>Finish</th>
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<tr>
<td>Classic Frosted Lens</td>
<td>AL</td>
<td>3M Adhesive</td>
</tr>
<tr>
<td>Architectural Frosted Satin Lens</td>
<td>WH</td>
<td>Wall Arm</td>
</tr>
<tr>
<td>Architectural Clear Lens</td>
<td>BL</td>
<td>Art Lighting Arm</td>
</tr>
<tr>
<td>Architectural Frosted Lens</td>
<td>CLT</td>
<td>Closet Mount</td>
</tr>
<tr>
<td>Opal Lens</td>
<td>OPT</td>
<td>Hanging Hardware</td>
</tr>
<tr>
<td>Premium Diffusion Lens</td>
<td>PD</td>
<td>Magnetic Clip</td>
</tr>
<tr>
<td>Classic Frosted Lens</td>
<td>BL</td>
<td>Mounting Clip</td>
</tr>
<tr>
<td>Architectural Clear Lens</td>
<td>LC</td>
<td>Rotating Clip</td>
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<td>Architectural Frosted Satin Lens</td>
<td>BL</td>
<td>U-Clip</td>
</tr>
<tr>
<td>Architectural Frosted Lens</td>
<td>BL</td>
<td>Vertical Clip</td>
</tr>
</tbody>
</table>
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### RECOMMENDED CHANNELS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DIAGRAM</th>
<th>INCLUDED ACCESSORIES</th>
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<th>IN CHANNEL DIFFUSION</th>
<th>TECHNICAL RATINGS</th>
<th>MOUNTING OPTIONS WITH DIMENSIONS</th>
</tr>
</thead>
</table>
| A1 Channel  
Di-CHB-A1  
(A1)  
48” - 96”  
Aluminum, White, Black  
For same Tape lights or smaller | Height (H): 0.39 in.  
Width (W): 0.67 in.  
Interior Depth (D): 0.33 in.  
Interior Width (I): 0.58 in. | 48” Aluminum, Black, & White Channels:  
44 in. channel & lens  
2x surface mounting clips  
End caps: 1x open, 1x closed. | 12mm Terminal Block Compatible  
Architectural Frosted Lens  
VLX1, VLX2, VLX3, VLX5, VLX8  
Dotless  
120º Beam Angle  
Architectural Frosted Lens  
CCT Shift: 20K  
Light Loss: 10%  
IP Rating Shift: IP40 | + Beam Angle: 120º  
Modern  
Architectural Frosted Lens  
CCT Shift: 20K  
Light Loss: 10%  
IP Rating Shift: IP40 | U-Cli: 0.32 x 0.68 in.  
(W x H) |
| A2 Channel  
Di-CHB-A2  
(A2)  
48” - 96”  
Aluminum, White, Black  
For same Tape lights or smaller | Height (H): 0.33 in.  
Width (W): 0.58 in.  
Interior Depth (D): 0.32 in.  
Interior Width (I): 0.58 in. | 48” Aluminum, Black, & White Channels:  
44 in. channel & lens  
2x surface mounting clips  
End caps: 1x open, 1x closed. | 12mm Tape Light: Soldered Lead Only  
Architectural Frosted Satin Lens  
VLX1, VLX2, VLX3, VLX5, VLX8  
Dotless  
120º Beam Angle  
Architectural Frosted Satin Lens  
CCT Shift: 20K  
Light Loss: 20%  
IP Rating Shift: IP40 | + Beam Angle: 120º  
Modern  
Architectural Frosted Satin Lens  
CCT Shift: 20K  
Light Loss: 20%  
IP Rating Shift: IP40 | U-Cli: 0.32 x 0.68 in.  
(W x H) |
| A3 Channel  
Di-CHB-A3  
(A3)  
48” - 96”  
Aluminum, White, Black  
For same Tape lights or smaller | Height (H): 0.29 in.  
Width (W): 0.67 in.  
Interior Depth (D): 0.32 in.  
Interior Width (I): 0.58 in. | 48” Aluminum, Black, & White Channels:  
44 in. channel & lens  
2x surface mounting clips  
End caps: 1x open, 1x closed. | 12mm Tape Light: Soldered Lead Only  
Architectural Frosted Satin Lens  
VLX1, VLX2, VLX3, VLX5, VLX8  
Dotless  
120º Beam Angle  
Architectural Frosted Satin Lens  
CCT Shift: 20K  
Light Loss: 20%  
IP Rating Shift: IP40 | + Beam Angle: 120º  
Modern  
Architectural Frosted Satin Lens  
CCT Shift: 20K  
Light Loss: 20%  
IP Rating Shift: IP40 | U-Cli: 0.32 x 0.68 in.  
(W x H) |
| S1 Channel  
Di-CHB-S1  
(S1)  
48” - 96”  
Aluminum  
For same Tape lights or smaller | Height (H): 0.21 in.  
Width (W): 0.67 in.  
Interior Depth (D): 0.25 in.  
Interior Width (I): 0.58 in. | 48 in. channel & frosted cover  
2x surface mounting clips  
End caps: 1x open, 1x closed. | 12mm Tape Light: Soldered Lead Only  
Classic Frosted Lens  
VLX1, VLX2, VLX3, VLX5, VLX8  
Dotless  
120º Beam Angle  
Classic Frosted Lens  
CCT Shift: 20K  
Light Loss: 20%  
IP Rating Shift: IP40 | + Beam Angle: 120º  
Modern  
Classic Frosted Lens  
CCT Shift: 20K  
Light Loss: 20%  
IP Rating Shift: IP40 | U-Cli: 0.22 x 0.68 in.  
(W x H) |
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### RECOMMENDED CHANNELS

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<th>MODEL</th>
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<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>
| **S2 Channel**
Dr-Chi-S2 (SS2)
48°, 96° Aluminum
For non-ear lights or seals
| Height (H): 0.57 in. Width (W): 0.74 in. Interior Depth (ID): 0.34 in. Interior Width (IW): 0.63 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.
12mm Terminal Block Compatible
Classic Frosted Lens (VLX1, VLX2, VLX3, VLX5, VLX8)
Dotless
For 14mm Tape Lights or smaller
| + Beam Angle: 100°
Classic Frosted Lens
Light Loss: 25%
CCT Shift: -25K
IP Rating Shift: IP40
| U-Clip: 0.54 x 0.75 in. (H x W) |

| **S45 Channel**
Dr-Chi-S45 (SS45)
48°, 96° Aluminum
For non-ear lights or seals
| Height (H): 0.74 in. Width (W): 0.74 in. Interior Depth (ID): 0.53 in. Interior Width (IW): 0.69 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.
12mm Terminal Block Compatible
Classic Frosted Lens (VLX1, VLX2, VLX3, VLX5, VLX8)
Dotless
For 14mm Tape Lights or smaller
| + Beam Angle: 100°
Classic Frosted Lens
Light Loss: 25%
CCT Shift: -25K
IP Rating Shift: IP40
| U-Clip: 0.79 x 0.75 in. (H x W) |

| **Slim Channel**
Dr-Chi-SL (SS2)
48°, 96° Aluminum, White, Black
For non-ear lights or seals
| Height (H): 0.38 in. Width (W): 0.82 in. Interior Depth (ID): 0.67 in. Interior Width (IW): 0.67 in.
48 in. Channel & Frosted Lens, 1 open end cap, 1 closed end cap, 2 surface mounting clips.
96 in. Channel & Frosted Lens, 2 open end cap, 2 closed end cap, 4 surface mounting clips.
12mm Terminal Block Compatible
Classic Frosted Lens (VLX1, VLX2, VLX3, VLX5, VLX8)
Dotless
For 14mm Tape Lights or smaller
| + Beam Angle: 100°
Architectural Clear Lens
Light Loss: 10%
CCT Shift: -10K
Architectural Frosted Lens
Light Loss: 20%
CCT Shift: -20K
Black Lens
Light Loss: 90%
CCT Shift: -350K
Premium Diffusion Lens
Light Loss: 10%
CCT Shift: -30K
Premium Diffusion Lens
Light Loss: 5%
CCT Shift: -35K
IP Rating Shift: IP40
| Slim Mount: 0.54 x 0.67 in. (H x W)
3M Adhesive: 0.48 x 0.62 in. (H x W)
Magnetic U-Clip: 0.59 x 0.82 in. (H x W)
Premium Diffusion: 0.96 x 0.82 in. (H x W) |

| **Canal Channel**
Dr-Chi-CAN (SS2)
48°, 96° Aluminum, White, Black
For non-ear Tape Lights or seals
| Height (H): 0.50 in. Width (W): 0.89 in. Interior Depth (ID): 0.54 in. Interior Width (IW): 0.69 in.
48 in. Channel & Frosted Lens, 1 open end cap, 1 closed end cap, 2 surface mounting clips.
96 in. Channel & Frosted Lens, 2 open end cap, 2 closed end cap, 4 surface mounting clips.
12mm Tape Light: Soldered Lead Only
Optic Lens (VLX1, VLX2, VLX3, VLX5, VLX8)
Dotless
For 14mm Tape Lights or smaller
| + Beam Angle: 100°
Optic Lens
Light Loss: 5%
CCT Shift: -50K
IP Rating Shift: IP40
| U-Clip: 0.5 x 0.7 in. (H x W) |
# VALENT® X 24V High Density LED Tape Light

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## RECOMMENDED CHANNELS

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<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>
| 16mm Square Channel  
DI-CPCHB-16MM  
| | | | | | |
| 48 in. channel & architectural frosted lens  
2x surface mounting clips  
End caps: 1x open, 1x closed.  
96 in. channel & architectural frosted lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
| 12mm Terminal Block Compatible  
Architectural Frosted Lens  
VLX1, VLX2, VLX3, VLX5, VLX8  
| + Beam Angle: 10º  
Architectural Frosted Lens  
| + IP Rating Shift: IP44  
| | Mounting Clip:  
U-Clip: 0.68 x 0.77 in. (4 x W)  
| | | | | | |
| 20mm Round Channel  
DI-CPCHB-RC20  
| | | | | | |
| 48 in. channel & frontload lens  
2x surface mounting clips  
End caps: 1x open, 1x closed.  
96 in. channel & frontload lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
| 12mm Terminal Block Compatible  
Classic Frosted Lens  
VLX1, VLX2, VLX3, VLX5, VLX8  
| + Beam Angle: 30º  
Classic Frosted Lens  
| + IP Rating Shift: IP44  
| | U-Clip: 1.19 x 1.19 in. (4 x W)  
| | | | | | |
| 20mm Square Channel  
DI-CPCHB-SQ20  
| | | | | | |
| 48 in. channel & frontload lens  
2x surface mounting clips  
End caps: 1x open, 1x closed.  
96 in. channel & frontload lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
| 12mm Terminal Block Compatible  
Classic Frosted Lens  
VLX1, VLX2, VLX3, VLX5, VLX8  
| + Beam Angle: 30º  
Classic Frosted Lens  
| + IP Rating Shift: IP44  
| | U-Clip: 1.19 x 1.19 in. (4 x W)  
| | | | | | |
| Square Channel  
DI-CPCHB-SQ  
| | | | | | |
| 48 in. aluminum channel  
48 in. channel & frontload lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
96 in. aluminum channel  
96 in. channel & frontload lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
96 in. black & white channel  
48 in. channel & frontload lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
96 in. black & white channel  
96 in. channel & frontload lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
| 12mm Terminal Block Compatible  
Premium Diffusion Lens  
VLX1, VLX2, VLX3, VLX5, VLX8  
| + Beam Angle: 10º  
Premium Diffusion Lens  
| + IP Rating Shift: IP44  
| | | | | | |

# Technical Specifications

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<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>
| 16mm Square Channel  
DI-CPCHB-16MM  
| | | | | | |
| 48 in. channel & architectural frosted lens  
2x surface mounting clips  
End caps: 1x open, 1x closed.  
96 in. channel & architectural frosted lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
| 12mm Terminal Block Compatible  
Architectural Frosted Lens  
VLX1, VLX2, VLX3, VLX5, VLX8  
| + Beam Angle: 10º  
Architectural Frosted Lens  
| + IP Rating Shift: IP44  
| | Mounting Clip:  
U-Clip: 0.68 x 0.77 in. (4 x W)  
| | | | | | |
| 20mm Round Channel  
DI-CPCHB-RC20  
| | | | | | |
| 48 in. channel & frontload lens  
2x surface mounting clips  
End caps: 1x open, 1x closed.  
96 in. channel & frontload lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
| 12mm Terminal Block Compatible  
Classic Frosted Lens  
VLX1, VLX2, VLX3, VLX5, VLX8  
| + Beam Angle: 30º  
Classic Frosted Lens  
| + IP Rating Shift: IP44  
| | U-Clip: 1.19 x 1.19 in. (4 x W)  
| | | | | | |
| 20mm Square Channel  
DI-CPCHB-SQ20  
| | | | | | |
| 48 in. channel & frontload lens  
2x surface mounting clips  
End caps: 1x open, 1x closed.  
96 in. channel & frontload lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
| 12mm Terminal Block Compatible  
Classic Frosted Lens  
VLX1, VLX2, VLX3, VLX5, VLX8  
| + Beam Angle: 30º  
Classic Frosted Lens  
| + IP Rating Shift: IP44  
| | U-Clip: 1.19 x 1.19 in. (4 x W)  
| | | | | | |
| Square Channel  
DI-CPCHB-SQ  
| | | | | | |
| 48 in. aluminum channel  
48 in. channel & frontload lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
96 in. aluminum channel  
96 in. channel & frontload lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
96 in. black & white channel  
48 in. channel & frontload lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
96 in. black & white channel  
96 in. channel & frontload lens  
4x surface mounting clips  
End caps: 2x open, 2x closed.  
| 12mm Terminal Block Compatible  
Premium Diffusion Lens  
VLX1, VLX2, VLX3, VLX5, VLX8  
| + Beam Angle: 10º  
Premium Diffusion Lens  
| + IP Rating Shift: IP44  
| | | | | | |

# Installation Options

- **Mounting Clip:**  
  - U-Clip: 0.68 x 0.77 in. (4 x W)  
  - Material: Aluminum, White, Black  
  - Dimensions: 0.68 x 0.77 in. (4 x W)  
  - Suitable for mounting VALENT® X High Density LED Tape Light on various surfaces.  

- **Connection Options:**  
  - Dotless  
  - VLX1, VLX2, VLX3, VLX5, VLX8  
  - Compatibility: 12mm Terminal Block  

- **Diffusion Options:**  
  - Architectural Frosted Lens  
  - Classic Frosted Lens  
  - Architectural Clear Lens  

- **Spec Sheet:** VALENT® X High Density LED Tape Light  
  - SS3132024  
  - Specification Sheet  
  - For more information, visit the VALENT® X website.
**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 DISTRIBUTION</th>
<th>TECHNICAL RATINGS</th>
<th>MOUNTING OPTIONS WITH DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>45° Channel</td>
<td></td>
<td></td>
<td></td>
<td>Architectural Frosted Lens</td>
<td></td>
<td></td>
</tr>
<tr>
<td>45° Channel</td>
<td></td>
<td></td>
<td></td>
<td>Premium Diffusion Lens</td>
<td></td>
<td></td>
</tr>
<tr>
<td>45° Deco Channel</td>
<td></td>
<td></td>
<td></td>
<td>Beams Angle: 120º</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90° Sideview Channel</td>
<td></td>
<td></td>
<td></td>
<td>Classic Frosted Lens</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reflector Channel</td>
<td></td>
<td></td>
<td></td>
<td>Classic Frosted Lens</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

See full specifications in the [45° Channel Specification Sheet](#).
### RECOMMENDED CHANNELS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DIAGRAM</th>
<th>INCLUDED ACCESSORIES</th>
<th>CONNECTION OPTIONS</th>
<th>TECHNICAL RATINGS</th>
<th>MOUNTING OPTIONS WITH DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rod Channel</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DI-CPCHB-ROD1</td>
<td></td>
<td></td>
<td>Rod Channel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ROD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48”, 96” Aluminum</td>
<td></td>
<td>For 12mm Tape lights or smaller</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height (H): 0.95 in.</td>
<td></td>
<td></td>
<td>70-74 in. channel &amp; frosted lens</td>
<td>1x open end-cap, 1x closed end-cap</td>
<td>+ Beam Angle: 90º</td>
</tr>
<tr>
<td>Width (W): 0.95 in.</td>
<td></td>
<td></td>
<td>4x 30º pivot brackets</td>
<td>2x Support Brackets</td>
<td>Classic Frosted Lens</td>
</tr>
<tr>
<td>Interior Width (IW): 0.48 in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Light Loss: 20%</td>
</tr>
<tr>
<td>Height W/o Cover (HC): 0.72 in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CCT Shift: 30K</td>
</tr>
<tr>
<td>Rod Channel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IP Rating Shift: IP40</td>
</tr>
<tr>
<td><strong>1-inch Mud-In Channel</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DI-CPCHB-MUD1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(MUD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48”, 96” Aluminum</td>
<td></td>
<td>For 12mm Tape lights or smaller</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height (H): 1.314 in.</td>
<td></td>
<td></td>
<td>96 in. channel &amp; opal lens</td>
<td>2x surface mounting clips</td>
<td>Beam Angle: 120º</td>
</tr>
<tr>
<td>Width (W): 2.42 in.</td>
<td></td>
<td></td>
<td>4x 30º pivot brackets</td>
<td>2x open, 2x closed</td>
<td>Classic Frosted Lens</td>
</tr>
<tr>
<td>Interior Width (IW): 0.81 in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Light Loss: 55%</td>
</tr>
<tr>
<td>Cut Out Width (CO): 1.19 in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CCT Shift: 200K</td>
</tr>
<tr>
<td>Rod Channel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IP Rating Shift: IP40</td>
</tr>
<tr>
<td><strong>2-inch Mud-In Channel</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DI-CPCHB-MUD2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(MUD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48”, 96” Aluminum</td>
<td></td>
<td>For 12mm Tape lights or smaller</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height (H): 1.38 in.</td>
<td></td>
<td></td>
<td>96 in. channel &amp; opal lens</td>
<td>2x surface mounting clips</td>
<td>Beam Angle: 120º</td>
</tr>
<tr>
<td>Width (W): 3.86 in.</td>
<td></td>
<td></td>
<td>4x 30º pivot brackets</td>
<td>2x open, 2x closed</td>
<td>Classic Frosted Lens</td>
</tr>
<tr>
<td>Interior Width (IW): 1.84 in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Light Loss: 55%</td>
</tr>
<tr>
<td>Cut Out Width (CO): 1.97 in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CCT Shift: 200K</td>
</tr>
<tr>
<td>Rod Channel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IP Rating Shift: IP40</td>
</tr>
<tr>
<td><strong>Recessed Channel</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DI-CPCHB-REC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(REC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48”, 96” Aluminum</td>
<td></td>
<td>For 12mm Tape lights or smaller</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height (H): 0.49 in.</td>
<td></td>
<td></td>
<td>48 in. channel &amp; frosted lens</td>
<td>2x surface mounting clips</td>
<td>Beam Angle: 120º</td>
</tr>
<tr>
<td>Width (W): 3.86 in.</td>
<td></td>
<td></td>
<td>6x surface mounted clips</td>
<td>2x open, 2x closed</td>
<td>Classic Frosted Lens</td>
</tr>
<tr>
<td>Interior Width (IW): 1.84 in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Light Loss: 20%</td>
</tr>
<tr>
<td>Cut Out Width (CO): 0.74 in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CCT Shift: 30K</td>
</tr>
<tr>
<td>Rod Channel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IP Rating Shift: IP40</td>
</tr>
</tbody>
</table>

---

**Date**

**Project Notes**

---

**Specification Sheet** | **VALENT® X High Density LED Tape Light** | **SS3132024** | **4.6**

7 of 11
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 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>OMNIDRIVE® X Dimmable Driver</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>1.57 in.</td>
</tr>
<tr>
<td>OMNIDRIVE® X Dimmable Driver</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>1.57 in.</td>
</tr>
<tr>
<td>OMNIDRIVE® X Dimmable Driver</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>1.57 in.</td>
</tr>
</tbody>
</table>

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

<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-TD-24V-45W-LPS3R</td>
<td>90-135VAC at 50/60Hz</td>
<td>24V</td>
<td>45W</td>
<td>Load at least 60% labeled load</td>
<td>Yes</td>
<td>Yes</td>
<td>10.79 in.</td>
<td>7.34 in.</td>
<td>2.36 in.</td>
</tr>
<tr>
<td>DI-TD-24V-60W-LPS3R</td>
<td>90-135VAC at 50/60Hz</td>
<td>24V</td>
<td>60W</td>
<td>Load at least 60% labeled load</td>
<td>Yes</td>
<td>Yes</td>
<td>10.79 in.</td>
<td>7.34 in.</td>
<td>2.36 in.</td>
</tr>
<tr>
<td>DI-TD-24V-80W-LPS3R</td>
<td>90-135VAC at 50/60Hz</td>
<td>24V</td>
<td>80W</td>
<td>Load at least 60% labeled load</td>
<td>Yes</td>
<td>Yes</td>
<td>10.79 in.</td>
<td>7.34 in.</td>
<td>2.36 in.</td>
</tr>
</tbody>
</table>

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

<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>VLM60W-24-LPS3R</td>
<td>120 / 277VAC 47 - 63Hz</td>
<td>24V</td>
<td>60W</td>
<td>No Minimum Load</td>
<td>Yes</td>
<td>PWM</td>
<td>10.79 in.</td>
<td>7.34 in.</td>
<td>2.36 in.</td>
</tr>
<tr>
<td>VLM60W-24-LPM</td>
<td>120 / 277VAC 47 - 63Hz</td>
<td>24V</td>
<td>60W</td>
<td>No Minimum Load</td>
<td>Yes</td>
<td>PWM</td>
<td>8.19 in.</td>
<td>2.94 in.</td>
<td>1.31 in.</td>
</tr>
</tbody>
</table>

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>CASAMBI® Controllers</td>
<td>The CASAMBI controllers will remotely control your lighting through the app - downloadable for iOS &amp; Android.</td>
</tr>
<tr>
<td>CBU-PWM4</td>
<td>CASAMBI PWM4 Single Color Dimming Controller</td>
</tr>
<tr>
<td>CBU-A2D</td>
<td>CASAMBI A2D 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>
<tr>
<td>SWITCHEX® Driver and Dimmer Switch</td>
<td>LED driver and dimmer switch combined in a single gang box.</td>
</tr>
<tr>
<td>DI-12V-SE-40W</td>
<td>SWITCHEX 12V Switch/Driver Combo - 40W</td>
</tr>
<tr>
<td>DI-12V-SE-60W</td>
<td>SWITCHEX 12V Switch/Driver Combo - 60W</td>
</tr>
</tbody>
</table>
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

24V-VLX1
24V-VLX2
24V-VLX3
24V-VLX5
24V-VLX8

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.

Date
Project Notes

ACCESSORIES

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

DI-TB12-CONN-TTW
Tape Light Terminal Block Connector, Screw Down, 12mm, Tape-To-Tape - Pack of 1

DI-TB12-CONN-TTT
Tape Light 90 Degree Corner Connector With Attached 12mm Tape-to-Tape Terminal Blocks - Pack of 5

DI-TB12-90-TTT
Tape Light Terminal Block, 12mm, Lead Wire Attached (Tape to Wire), 60 in. 20 AWG Wire Lead, White - Pack of 1

DI-TB12-60SPL-TTW
Tape Light Terminal Block, 12mm, Jumper Cable (Tape to Tape), 6 in. 20 AWG Wire Lead, White - Pack of 1

DI-TB12-6JPR-TTT
Tape Light Terminal Block, 12mm, Jumper Cable (Tape to Tape), 60 in. 20 AWG Wire Lead, White - Pack of 1

DC Extension Cable - White, 39 in.

DI-TB12-60JPR-TTT

DI-0708
1 Meter DC Extension Cable - Black

DELIVERY OPTIONS

• Field Assembly
  Fastest order fulfillment. Field connectors and accessories not included.

• Factory + Field (Hybrid)
  Onsite modifications with factory connection. Additional accessories not included.

• Factory Assembly
  Fastest installation. Factory made-to-order fixtures.

- 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.
### VALENȚ® 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.

#### CERTIFICATIONS

**Safety**
- UL Listed 2108 Low Voltage Lighting System / Low Voltage Luminaires, UL 1998; UL 8750; UL 879; CAN/CSA-C22.2 no. 207-M89. Certified for United States and Canada. File # E469769.
- UL Listed Field Cutable.
- Approved for storage areas of clothes closets per NEC 410.16.A.1,3 and 410.16.C.1,3,5
- CE & EMC Compliant: Verification No. GZEM141200883705V

**Environment**
- RoHS Compliant: Verification No. CANEC1610091501

**Performance**
- Can be used to comply with TITLE 24 Part 6 High Efficacy Lighting LED requirements - JAB-2016-2022-E
- 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.

#### WARRANTY

**Limited Warranty**
- **12 Year 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.diodeled.com/limited-warranty/ within the Policies section. For warranty related questions please contact product support.

**Consumer’s Acknowledgment**

Elemental LED, Inc. stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and infield adjustments can have a significant impact on an entire system. Choosing the correct components is essential. Elemental LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Elemental LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Elemental LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchase agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Elemental LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Elemental LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Elemental LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.

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<table>
<thead>
<tr>
<th>Project Notes</th>
</tr>
</thead>
</table>

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