<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>12V (12V Volt)</td>
<td>BLX1</td>
<td>3000K</td>
<td>30 (3000K)</td>
<td>W016 (11.4 feet)</td>
<td>A1 (A0)</td>
<td>BL (Black)</td>
<td>SL (Slab)</td>
<td>45 (45°)</td>
<td>REC (Recessed)</td>
</tr>
<tr>
<td>24V (24V Volt)</td>
<td>BLX2</td>
<td>3500K</td>
<td>35 (3500K)</td>
<td>S85 (545 K)</td>
<td>A2 (A2)</td>
<td>SL (Slab)</td>
<td>CA (Canell)</td>
<td>90 (90° Sideview)</td>
<td>WF (Waveform)</td>
</tr>
<tr>
<td>24V DC</td>
<td>BLX3</td>
<td>2700K</td>
<td>27 (100 feet)</td>
<td>W016 (11.4 feet)</td>
<td>A3 (A3)</td>
<td>BL (Black)</td>
<td>CA (Canell)</td>
<td>90 (90° Sideview)</td>
<td>WF (Waveform)</td>
</tr>
<tr>
<td>12V and 24V</td>
<td>BLX1</td>
<td>3000K</td>
<td>30 (3000K)</td>
<td>W016 (11.4 feet)</td>
<td>A1 (A0)</td>
<td>BL (Black)</td>
<td>SL (Slab)</td>
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<td>BLX2</td>
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<td>90 (90° Sideview)</td>
<td>WF (Waveform)</td>
</tr>
</tbody>
</table>

**FEATURES**
- For use indoors and outdoors when not in direct sunlight
- 95+ CRI
- 12V and 24V
- Heavy-duty copper PCB for long lasting performance
- Precision color rendering with 90+ CRI value
- 100/200/300 lumen outputs
- 12 Year limited warranty

**ORDERING CODES**
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>
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<td>3000K</td>
<td>30 (3000K)</td>
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<td>A1 (A0)</td>
<td>BL (Black)</td>
<td>SL (Slab)</td>
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<tr>
<td>12V and 24V</td>
<td>BLX1</td>
<td>3000K</td>
<td>30 (3000K)</td>
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<td>CA (Canell)</td>
<td>90 (90° Sideview)</td>
<td>WF (Waveform)</td>
</tr>
</tbody>
</table>

**BLAZE™ X Wet Location - SPECIFICATION TABLE**

<table>
<thead>
<tr>
<th>Models</th>
<th>12V-BLX1</th>
<th>12V-BLX2</th>
<th>12V-BLX3</th>
<th>24V-BLX1</th>
<th>24V-BLX2</th>
<th>24V-BLX3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>12VDC</td>
<td>12VDC</td>
<td>12VDC</td>
<td>24VDC</td>
<td>24VDC</td>
<td>24VDC</td>
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<tr>
<td>Wattage</td>
<td>1.5W/ft.</td>
<td>3.1W/ft.</td>
<td>4.3W/ft.</td>
<td>3.1W/ft.</td>
<td>4.3W/ft.</td>
<td>4.3W/ft.</td>
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<tr>
<td>Lumens</td>
<td>2400K</td>
<td>203 lumens/ft.</td>
<td>290 lumens/ft.</td>
<td>103 lumens/ft.</td>
<td>204 lumens/ft.</td>
<td>285 lumens/ft.</td>
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<tr>
<td>2700K</td>
<td>196 lumens/ft.</td>
<td>277 lumens/ft.</td>
<td>108 lumens/ft.</td>
<td>212 lumens/ft.</td>
<td>304 lumens/ft.</td>
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<tr>
<td>3000K</td>
<td>211 lumens/ft.</td>
<td>310 lumens/ft.</td>
<td>117 lumens/ft.</td>
<td>226 lumens/ft.</td>
<td>321 lumens/ft.</td>
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<tr>
<td>3500K</td>
<td>217 lumens/ft.</td>
<td>308 lumens/ft.</td>
<td>116 lumens/ft.</td>
<td>235 lumens/ft.</td>
<td>320 lumens/ft.</td>
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<tr>
<td>Cut Points</td>
<td>2 in.</td>
<td>1 in.</td>
<td>1 in.</td>
<td>4 in.</td>
<td>2 in.</td>
<td>2 in.</td>
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<tr>
<td>Max Run (ft.)</td>
<td>37 ft.</td>
<td>22 ft.</td>
<td>20 ft.</td>
<td>70 ft.</td>
<td>45 ft.</td>
<td>40 ft.</td>
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<tr>
<td>Width (in.)</td>
<td>0.31 x 0.31 in. (W x H)</td>
<td>0.31 x 0.31 in. (W x H)</td>
<td>0.31 x 0.31 in. (W x H)</td>
<td>0.31 x 0.31 in. (W x H)</td>
<td>0.31 x 0.31 in. (W x H)</td>
<td>0.31 x 0.31 in. (W x H)</td>
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<td>Environment</td>
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<td>Outdoor</td>
<td>Outdoor</td>
<td>Outdoor</td>
<td>Outdoor</td>
<td>Outdoor</td>
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<tr>
<td>Temperature</td>
<td>15-100°F (6-38°C)</td>
<td>15-100°F (6-38°C)</td>
<td>15-100°F (6-38°C)</td>
<td>15-100°F (6-38°C)</td>
<td>15-100°F (6-38°C)</td>
<td>15-100°F (6-38°C)</td>
</tr>
<tr>
<td>Lead Wire A</td>
<td>36 inch 20AWG Wet Location Connector</td>
<td>36 inch 20AWG Wet Location Connector</td>
<td>36 inch 20AWG Wet Location Connector</td>
<td>36 inch 20AWG Wet Location Connector</td>
<td>36 inch 20AWG Wet Location Connector</td>
<td>36 inch 20AWG Wet Location Connector</td>
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<tr>
<td>Lead Wire B</td>
<td>36 inch 20AWG Wire</td>
<td>36 inch 20AWG Wire</td>
<td>36 inch 20AWG Wire</td>
<td>36 inch 20AWG Wire</td>
<td>36 inch 20AWG Wire</td>
<td>36 inch 20AWG Wire</td>
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<tr>
<td>LED Chips</td>
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<td>18 in.</td>
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<td>Chip Type</td>
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<td>UL Listed 2108</td>
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<td>12 Year</td>
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</table>
BLAZE™ X Wet Location 12V and 24V LED Tape Light

Precision-engineered tape light for wet locations (IP65). Up to 350 lumens per foot with SS+ CRI / 90+ R9. 12 year warranty.

CHANNEL / LENS / MOUNTING COMPATIBILITY

<table>
<thead>
<tr>
<th>Channel</th>
<th>Compatible Lenses</th>
<th>Available Finishes</th>
<th>Mounting Options</th>
</tr>
</thead>
<tbody>
<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 (S2)</td>
<td><em>blank</em></td>
<td>AL</td>
<td>UC</td>
</tr>
<tr>
<td>S45 (S45)</td>
<td><em>blank</em></td>
<td>AL</td>
<td>UC</td>
</tr>
<tr>
<td>SL (Slim)</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>SQ (Square)</td>
<td><em>blank</em> / CLT / FRT / BL / PD</td>
<td>AL / WH / BL</td>
<td>MC / VC / RC / HNG</td>
</tr>
<tr>
<td>QS (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>DO (90° Sideview)</td>
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<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>MI1 (1-inch Mud-In)</td>
<td>OPT</td>
<td>AL</td>
<td></td>
</tr>
<tr>
<td>MI2 (2-inch Mud-In)</td>
<td>OPT</td>
<td>AL</td>
<td></td>
</tr>
<tr>
<td>REC (Recessed)</td>
<td><em>blank</em></td>
<td>AL</td>
<td>3M</td>
</tr>
<tr>
<td>WF (Waveform)</td>
<td><em>blank</em></td>
<td>AL</td>
<td>3M / UC</td>
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LEGEND

<table>
<thead>
<tr>
<th>Lens</th>
<th>Finish</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classic Frosted Lens</td>
<td>AL</td>
<td>3M</td>
</tr>
<tr>
<td>Architectural Frosted Satin Lens</td>
<td>WH</td>
<td>3M Adhesive</td>
</tr>
<tr>
<td>Black Lens</td>
<td>BL</td>
<td>Hanging Hardware</td>
</tr>
<tr>
<td>Architectural Clear Lens</td>
<td>MC</td>
<td>Magnetic Clip</td>
</tr>
<tr>
<td>Architectural Frosted Lens</td>
<td>WH</td>
<td>MC Mounting Clip</td>
</tr>
<tr>
<td>Opal Lens</td>
<td>UC</td>
<td>Rotating Clip</td>
</tr>
<tr>
<td>Premium Diffusion Lens</td>
<td>VC</td>
<td>U-Clip</td>
</tr>
</tbody>
</table>

+---+---+---+
| 12 Year Warranty | IP65 | 12/24 VDC |

Specification Sheet  | BLAZE™ X Wet Location LED Tape Light  | SS3272024  | 4.6  
2 of 11
BLAZE™ X Wet Location 12V and 24V LED Tape Light

Precision-engineered tape light for wet locations (IP65). Up to 350 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>
| A1 Channel  
Di-CHB-A1  
(A1)  
48”, 96”  
Aluminum, White, Black  
For 8mm Tape lights or smaller   | Height (H): 0.39 in.  
Width (W): 0.63 in.  
Interior Depth (D): 0.32 in.  
Interior Width (W): 0.49 in.   | 48” Aluminum, Black, & White Channels.  
• 44” in. channel & lens  
• 2x surface mounting clips  
• End caps: 1x open, 1x closed.  
90” Aluminum, Black, & White Channels.  
• 96” in. channel & lens  
• 4x surface mounting clips  
• End caps: 2x open, 2x closed.   | 8mm Tape Light: Soldered Lead Only.  
Architectural Frosted Lens  
BLX1: Runway Diffusion  
BLX2, BLX3: Semi-Diffused   | - Beam Angle: 10º  
Architectural Frosted Lens  
- Light Loss: 10%  
- CCT Shift: –20K  
- IP Rating Shift: IP40   | - U-Clip: 0.4 x 0.64 in. (H x W) |
| A2 Channel  
Di-CHB-A2  
(A2)  
48”, 96”  
Aluminum, White, Black  
For 8mm Tape lights or smaller   | Height (H): 0.39 in.  
Width (W): 0.63 in.  
Interior Depth (D): 0.32 in.  
Interior Width (W): 0.49 in.   | 48” Aluminum, Black, & White Channels.  
• 44” in. channel & lens  
• 2x surface mounting clips  
• End caps: 1x open, 1x closed.  
90” Aluminum, Black, & White Channels.  
• 96” in. channel & lens  
• 4x surface mounting clips  
• End caps: 2x open, 2x closed.   | 8mm Tape Light: Soldered Lead Only.  
Architectural Frosted Satin Lens  
BLX1: Runway Diffusion  
BLX2, BLX3: Semi-Diffused   | - Beam Angle: 10º  
Architectural Frosted Satin Lens  
- Light Loss: 10%  
- CCT Shift: –20K  
- IP Rating Shift: IP40   | - U-Clip: 0.4 x 0.64 in. (H x W) |
| A3 Channel  
Di-CHB-A3  
(A3)  
48”, 96”  
Aluminum, White, Black  
For 8mm Tape lights or smaller   | Height (H): 0.39 in.  
Width (W): 0.63 in.  
Interior Depth (D): 0.32 in.  
Interior Width (W): 0.49 in.   | 48” Aluminum, Black, & White Channels.  
• 44” in. channel & lens  
• 2x surface mounting clips  
• End caps: 1x open, 1x closed.  
90” Aluminum, Black, & White Channels.  
• 96” in. channel & lens  
• 4x surface mounting clips  
• End caps: 2x open, 2x closed.   | 8mm Tape Light: Soldered Lead Only.  
Classic Frosted Lens  
BLX1: Runway Diffusion  
BLX2, BLX3: Semi-Diffused   | - Beam Angle: 10º  
Classic Frosted Lens  
- Light Loss: 10%  
- CCT Shift: –20K  
- IP Rating Shift: IP40   | - U-Clip: 0.4 x 0.64 in. (H x W) |
| S1 Channel  
Di-CHB-S1  
(S1)  
48”, 96”  
Aluminum  
For 14mm Tape lights or smaller   | Height (H): 0.31 in.  
Width (W): 0.67 in.  
Interior Depth (D): 0.25 in.  
Interior Width (W): 0.58 in.   | 48” channel & frosted cover  
2x surface mounting clips  
End caps: 1x open, 1x closed.   | 8mm Tape Light: Soldered Lead Only.  
Classic Frosted Lens  
BLX1: Runway Diffusion  
BLX2, BLX3: Semi-Diffused   | - Beam Angle: 10º  
Classic Frosted Lens  
- Light Loss: 10%  
- CCT Shift: –20K  
- IP Rating Shift: IP40   | - U-Clip: 0.22 x 0.68 in. (H x W) |
## BLAZE™ X Wet Location LED Tape Light

** Specification Sheet **

Precision-engineered tape light for wet locations (IP65). Up to 350 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>
<tbody>
<tr>
<td><strong>S2 Channel</strong></td>
<td><img src="image1" alt="S2 Channel Diagram" /></td>
<td>Height (H): 0.57 in., Width (W): 0.74 in., Interior Depth (ID): 0.34 in., Interior Width (IW): 0.63 in.</td>
<td>48 in. Channel &amp; Frosted Lens, 1 open end cap, 1 closed end cap, 2 mounting clips, 2 mounting screws.</td>
<td>66 in. Tape Light: Soldered Lead Only</td>
<td>Beam Angle: 120º</td>
<td>U-Clip: 0.58 x 0.75 in. (W x H)</td>
</tr>
<tr>
<td><strong>S45 Channel</strong></td>
<td><img src="image2" alt="S45 Channel Diagram" /></td>
<td>Height (H): 0.76 in., Width (W): 0.78 in., Interior Depth (ID): 0.56 in., Interior Width (IW): 0.67 in.</td>
<td>48 in. Channel &amp; Frosted Lens, 1 open end cap, 1 closed end cap, 2 mounting clips, 2 mounting screws.</td>
<td>66 in. Tape Light: Soldered Lead Only</td>
<td>Beam Angle: 120º</td>
<td>U-Clip: 0.79 x 0.79 in. (W x H)</td>
</tr>
<tr>
<td><strong>Slim Channel</strong></td>
<td><img src="image3" alt="Slim Channel Diagram" /></td>
<td>Height (H): 0.38 in., Width (W): 0.82 in., Interior Depth (ID): 0.27 in., Interior Width (IW): 0.67 in.</td>
<td>48 in. Channel &amp; Frosted Lens, 1 open end cap, 1 closed end cap, 4 surface mounting clips, 4 mounting clips, 4 mounting screws.</td>
<td>66 in. Tape Light: Soldered Lead Only</td>
<td>Beam Angle: 120º</td>
<td>U-Clip: 0.60 x 0.70 in. (W x H)</td>
</tr>
<tr>
<td><strong>Canal Channel</strong></td>
<td><img src="image4" alt="Canal Channel Diagram" /></td>
<td>Height (H): 0.39 in., Width (W): 0.69 in., Interior Depth (ID): 0.54 in., Interior Width (IW): 0.60 in.</td>
<td>48 in. Channel &amp; Frosted Lens, 1 open end cap, 1 closed end cap, 4 surface mounting clips, 4 mounting clips, 4 mounting screws.</td>
<td>66 in. Tape Light: Soldered Lead Only</td>
<td>Beam Angle: 120º</td>
<td>U-Clip: 0.58 x 0.75 in. (W x H)</td>
</tr>
</tbody>
</table>
BLAZE™ X Wet Location 12V and 24V LED Tape Light

Precision-engineered tape light for wet locations (IP65). Up to 350+ lumens per foot with 95+ CRI / 90+ RA. 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>
| 16mm Square Channel  
DI-CPCHS-16MM (16)  
48” 96”  
Aluminum  
For thinner Tape lights or smaller |
| 58” Height (H): 0.59” Width (W): 0.83” Interior Width (MI): 0.43”  
48” In channel & Architectural Frosted Lens  
2x Surface mounting clips  
End clips: 2x open, 2x closed.  
96” In channel & Architectural Frosted Lens  
4x Surface mounting clips  
End clips: 2x open, 2x closed.  |
| 48” Tape Light: Soldered Lead Only  
 Architectural Frosted Lens  
BLX1: Semi-Diffused  
BLX2, BLX3: Dotless  |
| Architectural Frosted Lens  
CCT Shift: 20K  
Beam Angle: 120º  
Light Loss: 20%  
IP Rating Shift: IP40 |
| Mounting Clip: 0.88 x 0.77 in. (4 x W) |

| Square Channel  
DI-CPCHS-SQ (35)  
48” 96”  
Aluminum, White, Black  
For thinner Tape lights or smaller |
| 58” Height (H): 0.35” Width (W): 0.77” Interior Width (MI): 0.37”  
48” Aluminum Channel  
48” In channel & Architectural Frosted Lens  
2x End-to-end Interconnects  
4x Surface mounting clips  
End clips: 2x open, 2x closed.  
96” Black & White Channels  
48” In channel & Architectural Frosted Lens  
2x End-to-end Interconnects  
4x Surface mounting clips  
End clips: 2x open, 2x closed.  |
| 48” Tape Light: Soldered Lead Only  
 Architectural Frosted Lens  
BLX1: Runway Diffusion  
BLX2, BLX3: Dotless  |
| Architectural Frosted Lens  
CCT Shift: 20K  
Beam Angle: 120º  
Light Loss: 20%  
IP Rating Shift: IP40 |
| Premium Diffusion:  
BLX1: Semi-Diffused  
BLX2, BLX3: Dotless  |
| Premium Diffusion Lens  
CCT Shift: 20K  
Beam Angle: 120º  
Light Loss: 20%  
IP Rating Shift: IP40 |
| Premium Diffusion:  
BLX1: Semi-Diffused  
BLX2, BLX3: Dotless  |
| Premium Diffusion Lens  
CCT Shift: 20K  
Beam Angle: 120º  
Light Loss: 20%  
IP Rating Shift: IP40 |
| Chromiaphot Surface Mount: 0.81 x 0.62 in. (4 x W)  
Vertical Mount: 1.20 x 0.22 in. (4 x W)  
Rotating Mount: 1.68 x 0.23 in. (4 x W)  
Hanging Mount: 1.69 x 0.23 in. (4 x W) |

| 45° Channel  
DI-CPCHS-45 (45)  
48” 96”  
Aluminum, White, Black  
For thinner Tape lights or smaller |
| 58” Height (H): 0.33” Width (W): 0.67” Interior Width (MI): 0.22”  
48” Aluminum, Black & White Channels  
48” In channel & Architectural Frosted Lens  
2x End-to-end Interconnects  
4x Surface mounting clips  
End clips: 2x open, 2x closed.  
96” Black & White Channels  
48” In channel & Architectural Frosted Lens  
2x End-to-end Interconnects  
4x Surface mounting clips  
End clips: 2x open, 2x closed.  |
| 48” Tape Light: Soldered Lead Only  
 Architectural Frosted Lens  
BLX1: Runway Diffusion  
BLX2, BLX3: Dotless  |
| Architectural Frosted Lens  
CCT Shift: 20K  
Beam Angle: 120º  
Light Loss: 20%  
IP Rating Shift: IP40 |
| Premium Diffusion:  
BLX1: Semi-Diffused  
BLX2, BLX3: Dotless  |
| Premium Diffusion Lens  
CCT Shift: 20K  
Beam Angle: 120º  
Light Loss: 20%  
IP Rating Shift: IP40 |
| Premium Diffusion:  
BLX1: Semi-Diffused  
BLX2, BLX3: Dotless  |
| Premium Diffusion Lens  
CCT Shift: 20K  
Beam Angle: 120º  
Light Loss: 20%  
IP Rating Shift: IP40 |
| Chromiaphot Surface Mount: 1.6 x 0.27 in. (4 x W)  
Vertical Mount: 1.68 x 0.23 in. (4 x W)  
Rotating Mount: 2.06 x 0.27 in. (4 x W)  
Hanging Mount: 2.07 x 0.27 in. (4 x W) |

| 90° Sideview Channel  
DI-CPCHS-90SS (90)  
48” 96”  
Aluminum  
For thinner Tape lights or smaller |
| 58” Height (H): 0.32” Width (W): 0.67” Interior Depth (DI): 0.31”  
48” In channel & Architectural Frosted Lens  
2x Surface mounting clips  
End clips: 2x open, 2x closed.  
96” In channel & Architectural Frosted Lens  
2x Surface mounting clips  
End clips: 2x open, 2x closed.  |
| 48” Tape Light: Soldered Lead Only  
 Architectural Frosted Lens  
BLX1: Runway Diffusion  
BLX2, BLX3: Dotless  |
| Architectural Frosted Lens  
CCT Shift: 20K  
Beam Angle: 120º  
Light Loss: 20%  
IP Rating Shift: IP40 |
| Classic Frosted Lens  
CCT Shift: 20K  
Beam Angle: 120º  
Light Loss: 20%  
IP Rating Shift: IP40 |
| Classic Frosted Lens  
CCT Shift: 20K  
Beam Angle: 120º  
Light Loss: 20%  
IP Rating Shift: IP40 |
| Classic Frosted Lens  
CCT Shift: 20K  
Beam Angle: 120º  
Light Loss: 20%  
IP Rating Shift: IP40 |
| Mounting Clip: 0.92 x 0.32 in. (4 x W) |

### Specifications

- **Date:**
- **Project Notes:**

### Technical Ratings

- **Surface Mount:**
  - **Height:** 0.81 in.
  - **Width:** 0.62 in.
  - **Depth:** 0.31 in.

- **Vertical Mount:**
  - **Height:** 1.20 in.
  - **Width:** 0.22 in.

- **Rotating Mount:**
  - **Height:** 1.68 in.
  - **Width:** 0.23 in.

- **Hanging Mount:**
  - **Height:** 1.69 in.
  - **Width:** 0.23 in.
**BLAZE™ X Wet Location**  12V and 24V  
**LED Tape Light**

Precision-engineered tape light for wet locations (IP65). Up to 350 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>
| **Reflector Channel**  
DI-CPCHB-BFCTR  
(RxI)  
48" 96"  
Aluminum  
For 8mm Tape lights or smaller | Width 0.6 in.  
Height 0.26 in.  
Depth 0.2 in.  
Cut Out Width (W): 0.200 in.  
Cut Out Depth (D): 0.150 in.  
Cut Out (H): 0.150 in.  
Recessed Wing (W): 0.2 in.  
Recessed Wing (D): 0.150 in. | 6/4 in. channel & framed cover  
End caps: 1x open, 1x closed  
96 in. channel & framed cover  
End caps: 16 open, 16 closed | Tape Light: Soldered Lead Only | 8mm Classic Frosted Lens  
BLX1: Runway  
BLX2: BLX3: Semi-Diffused | Beam Angle: 10º  
CCT Shift: <40K  
IP Rating Shift: IP65  
Light Loss: 20%  
| Recessed Mount: 2.75 x 1 in. (4 x 8) |
| **1-inch Mud-In Channel**  
DI-CPCHB-MUD1  
(RxI)  
48" 96"  
Aluminum  
For 8mm Tape lights or smaller | Width 0.54 in.  
Height 0.280 in.  
Depth 0.280 in.  
Cut Out Width (W): 0.250 in.  
Cut Out Depth (D): 0.250 in. | 96 in. channel & opal lens  
End caps: 26 open, 24 closed | Tape Light: Soldered Lead Only | Opal Lens  
BLX1: Runway  
BLX2: BLX3: Dotless | Beam Angle: 10º  
CCT Shift: <200K  
IP Rating Shift: IP40  
Light Loss: 55%  
| Recessed Mount: 0.54 x 2.42 in. (4 x 8) |
| **2-inch Mud-In Channel**  
DI-CPCHB-MUD2  
(RxII)  
48" 96"  
Aluminum  
For 8mm Tape lights or smaller | Width 0.8 in.  
Height 0.44 in.  
Depth 0.44 in.  
Cut Out Width (W): 0.380 in.  
Cut Out Depth (D): 0.380 in. | 96 in. channel & opal lens  
End caps: 24 open, 24 closed | Tape Light: Soldered Lead Only | Opal Lens  
BLX1: Runway  
BLX2: BLX3: Dotless | Beam Angle: 10º  
CCT Shift: <200K  
IP Rating Shift: IP40  
Light Loss: 55%  
| Recessed Mount: 0.8 x 3.86 in. (4 x 8) |
| **Recessed Channel**  
DI-CPCHB-REC  
(ReI)  
48" 96"  
Aluminum  
For 8mm Tape lights or smaller | Width 0.49 in.  
Height 0.29 in.  
Depth 0.29 in.  
Cut Out Width (W): 0.250 in.  
Cut Out Depth (D): 0.250 in.  
Recessed Wing (W): 0.2 in.  
Recessed Wing (D): 0.150 in. | 48 in. channel & framed lens  
End caps: 1x open, 1x closed  
96 in. channel & framed lens  
End caps: 16 open, 16 closed | Tape Light: Soldered Lead Only | Classic Frosted Lens  
BLX1: Runway  
BLX2: BLX3: Dotless | Beam Angle: 10º  
CCT Shift: <200K  
IP Rating Shift: IP65  
Light Loss: 20%  
| 3M Adhesive: 0.59 x 3.86 in. (4 x 8)  
Recessed Mount: 0.62 x 1.03 in. (4 x 8) |
**BLAZE™ X Wet Location 12V and 24V LED Tape Light**

Precision-engineered tape light for wet locations (IP65). Up to 350 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>
<tbody>
<tr>
<td>Waveform Channel Di-CPCHB-WF (WF) 48”</td>
<td><img src="image" alt="Waveform Channel Diagram" /></td>
<td>Height 0.3 in. Width 0.71 in. Interior Width (OM) 0.49 in. Height W/O Cover (OMC) 0.2 in.</td>
<td>48 in. channel &amp; frosted lens 2x surface mounting clips 60 mm Tape Light: Soldered Lead Only.</td>
<td>Classic Frosted Lens BLX1, BLX2, BLX3 Runway Diffusion.</td>
<td>Beam Angle: 12º Min. Bend Radius: 8 in.</td>
<td>3M Adhesive: 0.4 x 0.71 in. (4 x 8) U-Clip: 0.31 x 0.72 in. (4 x 8)</td>
</tr>
<tr>
<td>Sconce Channel Di-CPCHB-SCNC (SCNC) 48”, 96”</td>
<td><img src="image" alt="Sconce Channel Diagram" /></td>
<td>Height 0.11 in. Width 1.01 in. Interior Width (OM) 0.30 in. Interior Width (OMC) 0.14 in.</td>
<td>48 in. channel, 2x frosted cover Mounting plate. Grid cap: 1x open, 1x closed.</td>
<td>Classic Frosted Lens BLX2, BLX3 Runway Diffusion.</td>
<td>Beam Angle: 12º Min. Bend Radius: 8 in.</td>
<td>3M Adhesive: 1.2 x 1.21 in. (3 x 8)</td>
</tr>
</tbody>
</table>

**Date**

**Project Notes**
BLAZE™ X Wet Location LED Tape Light

Precision-engineered tape light for wet locations (IP65). Up to 350 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>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>1.57 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>1.57 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>1.57 in.</td>
</tr>
<tr>
<td>DI-ODX-24V120W-J</td>
<td>120-277V</td>
<td>24V</td>
<td>120W</td>
<td>No minimum load</td>
<td>No</td>
<td>Yes</td>
<td>8.66 in.</td>
<td>3.7 in.</td>
<td>1.57 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</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</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>
<tr>
<td>VLM100W-24-LPS3R</td>
<td>120 / 277VAC</td>
<td>24V</td>
<td>100W</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>
</tbody>
</table>

**OMNIDRIVE® BASICS Electronic Dimmable Driver**

Compact electronic dimmable (ELV) driver for everyday projects.

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>
BLAZE™ X Wet Location 12V and 24V
LED Tape Light

Precision-engineered tape light for wet locations (IP65). Up to 350+ lumens per foot with 95+ CRI / 90+ R9.
12 year warranty.

MECHANICAL DIAGRAMS

12V-BLX1

- Width: 0.31 in. (8 mm)
- Height: 0.1 in. (3 mm)
- Endcap Width: 0.49 in. (13 mm)
- Endcap Height: 0.27 in. (7 mm)

12V-BLX2

- Width: 0.31 in. (8 mm)
- Height: 0.1 in. (3 mm)
- Endcap Width: 0.49 in. (13 mm)
- Endcap Height: 0.27 in. (7 mm)

12V-BLX3

- Width: 0.31 in. (8 mm)
- Height: 0.1 in. (3 mm)
- Endcap Width: 0.49 in. (13 mm)
- Endcap Height: 0.27 in. (7 mm)

24V-BLX1

- Width: 0.31 in. (8 mm)
- Height: 0.1 in. (3 mm)
- Endcap Width: 0.49 in. (13 mm)
- Endcap Height: 0.27 in. (7 mm)

24V-BLX2

- Width: 0.31 in. (8 mm)
- Height: 0.1 in. (3 mm)
- Endcap Width: 0.49 in. (13 mm)
- Endcap Height: 0.27 in. (7 mm)

24V-BLX3

- Width: 0.31 in. (8 mm)
- Height: 0.1 in. (3 mm)
- Endcap Width: 0.49 in. (13 mm)
- Endcap Height: 0.27 in. (7 mm)

CONNECTIONS

- 36 Inch 20/2AWG Wet Location Connector
- 36 Inch 20/2AWG Wire
BLAZE™ X Wet Location 12V and 24V
LED Tape Light

Precision-engineered tape light for wet locations (IP65). Up to 350+ lumens per foot with SS+ CRI / 90+ R9. 12 year warranty.

ACCESSORIES

Soldered Lead Only

DI-WL-EC
BLAZE Wet Location Strip Light End Cap Set, 5-pack, 5 open and 5 closed

DI-0754
Wet Location Strip Light Mounting Clips – Set of 10

DI-WPSL
Wet Location Sealant

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.
BLAZE™ X Wet Location 12V and 24V LED Tape Light
Precision-engineered tape light for wet locations (IP65). Up to 350+ lumens per foot with 95+ CRI / 90+ CRI. 12 year warranty.

CERTIFICATIONS

Safety
- UL Listed Field Cutable.
- CE & EMC Compliant: Verification No. G2EM14100883705V

Environment
- Ambient Temperature: -4 ~ 122°F (-20 ~ 50°C)
- Operating Temperature: -4 ~ 176°F (-20 ~ 80°C)
- RoHS Compliant: Verification No. CANE0160095101

Performance
- Can be used to comply with TITLE 24 Part H 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.

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 (ex. 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.

WARRANTY

Limited 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.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 in-field 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.