**BLAZE™ Wet Location LED Strip Light**

Performance and value for everyday projects. Our most popular tape light, available in a wide range of color temperatures and outputs. Suitable for wet locations (IP65). 7 year warranty.

### FEATURES
- 90+ CRI
- Suitable for applications that are prone to splashing, spraying, or rain (IP65)
- Compatible with Diode LED tape light accessories including channels, drivers, and more
- 12V and 24V
- 100/200/300 lumen outputs
- 107 Lm/ft. (16.4 feet)
- 209 Lm/ft. (100 feet)
- 2200K
- 2700K
- 3000K
- 4000K
- 5000K
- 6500K

### OPTIONAL 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>
</thead>
<tbody>
<tr>
<td>12V</td>
<td>BLBSC1</td>
<td>22</td>
<td>W016</td>
<td>A1 (A1)</td>
<td>90</td>
<td>WF</td>
<td>16</td>
<td>WH</td>
<td></td>
</tr>
<tr>
<td>24V</td>
<td>BLBSC2</td>
<td>27</td>
<td>W100</td>
<td>A2 (A2)</td>
<td>90</td>
<td>WF</td>
<td>16</td>
<td>WH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BLBSC3</td>
<td>30</td>
<td></td>
<td>A3 (A3)</td>
<td>90</td>
<td>WF</td>
<td>16</td>
<td>WH</td>
<td></td>
</tr>
<tr>
<td>12V</td>
<td>BLBSC1</td>
<td>40</td>
<td>W016</td>
<td>S1 (A1)</td>
<td>100</td>
<td>WF</td>
<td>16</td>
<td>WH</td>
<td></td>
</tr>
<tr>
<td>24V</td>
<td>BLBSC2</td>
<td>50</td>
<td>W100</td>
<td>S2 (A2)</td>
<td>100</td>
<td>WF</td>
<td>16</td>
<td>WH</td>
<td></td>
</tr>
</tbody>
</table>

*See page 2 for Channel / Lens / Mounting compatibility*

### BLAZE™ Wet Location - SPECIFICATION TABLE

<table>
<thead>
<tr>
<th>Models</th>
<th>12V-BLBSC1</th>
<th>12V-BLBSC2</th>
<th>24V-BLBSC1</th>
<th>24V-BLBSC2</th>
<th>24V-BLBSC3</th>
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<tbody>
<tr>
<td>Voltage</td>
<td>12VDC</td>
<td>12VDC</td>
<td>24VDC</td>
<td>24VDC</td>
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<tr>
<td>Wattage</td>
<td>1.46W/ft.</td>
<td>2.93W/ft.</td>
<td>1.46W/ft.</td>
<td>2.93W/ft.</td>
<td>4.5W/ft.</td>
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<tr>
<td>Luminaries</td>
<td>2200K</td>
<td>107 Lum./ft</td>
<td>2200K</td>
<td>107 Lum./ft</td>
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<tr>
<td>Luminaries</td>
<td>2700K</td>
<td>208 Lum./ft</td>
<td>2700K</td>
<td>208 Lum./ft</td>
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<tr>
<td>Luminaries</td>
<td>3000K</td>
<td>211 Lum./ft</td>
<td>3000K</td>
<td>211 Lum./ft</td>
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<td>Luminaries</td>
<td>4000K</td>
<td>222 Lum./ft</td>
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<td>222 Lum./ft</td>
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<td>Luminaries</td>
<td>5000K</td>
<td>224 Lum./ft</td>
<td>5000K</td>
<td>224 Lum./ft</td>
<td>5000K</td>
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<td>Cut Points</td>
<td>2 in.</td>
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<td>2 in.</td>
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<td>Max Run (ft)</td>
<td>27 ft.</td>
<td>20 ft.</td>
<td>55 ft.</td>
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<tr>
<td>CRI</td>
<td>90+</td>
<td>90+</td>
<td>90+</td>
<td>90+</td>
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<tr>
<td>Dimensions</td>
<td>0.31 x 0.1 in. (W x H)</td>
<td>0.31 x 0.1 in. (W x H)</td>
<td>0.31 x 0.1 in. (W x H)</td>
<td>0.31 x 0.1 in. (W x H)</td>
<td>0.31 x 0.1 in. (W x H)</td>
</tr>
<tr>
<td>TM-21 (LM-60)</td>
<td>&gt;50,000 hours</td>
<td>&gt;50,000 hours</td>
<td>&gt;50,000 hours</td>
<td>&gt;50,000 hours</td>
<td>&gt;50,000 hours</td>
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<tr>
<td>Environment</td>
<td>Outdoor / Wet Location (IP65)</td>
<td>Outdoor / Wet Location (IP65)</td>
<td>Outdoor / Wet Location (IP65)</td>
<td>Outdoor / Wet Location (IP65)</td>
<td>Outdoor / Wet Location (IP65)</td>
</tr>
<tr>
<td>Lead Wire A</td>
<td>36 in. Wet Location Connector 20/2 AWG UL 2484 Wire with Strain Relief</td>
<td>36 in. Wet Location Connector 20/2 AWG UL 2484 Wire with Strain Relief</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>LED Chips</td>
<td>18 ft.</td>
<td>18 ft.</td>
<td>18 ft.</td>
<td>36 ft.</td>
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<td>UL Listed 2108</td>
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<td>7 Year</td>
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</table>
BLAZE™ Wet Location 12V and 24V LED Strip Light

Performance and value for everyday projects. Our most popular tape light, available in a wide range of color temperatures and outputs. Suitable for wet locations (IP65). 7 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>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>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>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>
<td><em>blank</em></td>
<td>AL</td>
<td>3M</td>
</tr>
<tr>
<td>WF (Recessed)</td>
<td><em>blank</em></td>
<td>AL</td>
<td>3M / UC</td>
</tr>
<tr>
<td>SCNC (Sconce)</td>
<td><em>blank</em></td>
<td>AL</td>
<td>3M</td>
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LEGEND

<table>
<thead>
<tr>
<th>Lens</th>
<th>Finish</th>
<th>Mounting</th>
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<tbody>
<tr>
<td><em>blank</em></td>
<td>Classic Frosted Lens</td>
<td>AL</td>
</tr>
<tr>
<td>AFS</td>
<td>Architectural Frosted Satin Lens</td>
<td>WH</td>
</tr>
<tr>
<td>CLT</td>
<td>Architectural Clear Lens</td>
<td>BL</td>
</tr>
<tr>
<td>FRT</td>
<td>Architectural Frosted Lens</td>
<td>BL</td>
</tr>
<tr>
<td>OPT</td>
<td>Opal Lens</td>
<td>UC</td>
</tr>
<tr>
<td>PD</td>
<td>Premium Diffusion Lens</td>
<td>UC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mounting Options</th>
<th>Lens</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M</td>
<td>AL</td>
</tr>
<tr>
<td>3M Adhesive</td>
<td>WH</td>
</tr>
<tr>
<td>Hanging Hardware</td>
<td>BL</td>
</tr>
<tr>
<td>Magnetic Clip</td>
<td>BL</td>
</tr>
<tr>
<td>Mounting Clip</td>
<td>BL</td>
</tr>
<tr>
<td>Rotating Clip</td>
<td>BL</td>
</tr>
<tr>
<td>U-Clip</td>
<td>BL</td>
</tr>
<tr>
<td>Vertical Clip</td>
<td>BL</td>
</tr>
</tbody>
</table>
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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>
| A1 Channel  
Di-Chr-A1  
(4 A)  
48" & 96"  
Aluminum, White, Black  
For Tapes Tape light or wider | Height (H): 0.21 in.  
Width (W): 0.27 in.  
Depth (D): 0.79 in. | 48" Aluminum, Black, & White Channels  
48 in. channel & lens  
4 in. surface mounting clips  
End caps: 1x open, 1x closed.  
96" Aluminum, Black, & White Channels  
96 in. channel & lens  
4 x surface mounting clips  
End caps: 2x open, 2x closed. | Soldered Lead Only  
3mm Tape Light: Soldered Lead Only | Architectural Frosted Lens  
BLBSC1, BLBSC2, BLBSC3  
Semi-Diffused | Beam Angle: 10º  
Architectural Frosted Lens  
+ CCT Shift: 35K  
+ IP Rating Shift: IP65 | U-Clip: 0.62 x 0.88 in. (H x W) |
| A2 Channel  
Di-Chr-A2  
(4 A)  
48", 96"  
Aluminum, White, Black  
For Tapes Tape light or wider | Height (H): 0.35 in.  
Width (W): 0.33 in.  
Depth (D): 0.69 in. | 48" Aluminum, Black, & White Channels  
48 in. channel & lens  
2 x surface mounting clips  
End caps: 1x open, 1x closed.  
96" Aluminum, Black, & White Channels  
96 in. channel & lens  
4 x surface mounting clips  
End caps: 2x open, 2x closed. | Soldered Lead Only  
3mm Tape Light: Soldered Lead Only | Architectural Frosted Satin Lens  
BLBSC1, BLBSC2, BLBSC3  
Semi-Diffused | Beam Angle: 10º  
Architectural Frosted Satin Lens  
+ CCT Shift: 80K  
+ IP Rating Shift: IP65 | U-Clip: 0.56 x 0.64 in. (H x W) |
| A3 Channel  
Di-Chr-A3  
(4 A)  
48", 96"  
Aluminum, White, Black  
For Tapes Tape light or wider | Height (H): 0.39 in.  
Width (W): 0.33 in.  
Depth (D): 0.32 in. | 48" Aluminum, Black, & White Channels  
48 in. channel & lens  
2 x surface mounting clips  
End caps: 1x open, 1x closed.  
96" Aluminum, Black, & White Channels  
96 in. channel & lens  
4 x surface mounting clips  
End caps: 2x open, 2x closed. | Soldered Lead Only  
3mm Tape Light: Soldered Lead Only | Architectural Frosted Satin Lens  
BLBSC1, BLBSC2, BLBSC3  
Semi-Diffused | Beam Angle: 10º  
Architectural Frosted Satin Lens  
+ CCT Shift: 80K  
+ IP Rating Shift: IP65 | U-Clip: 0.4 x 0.64 in. (H x W) |
| S1 Channel  
Di-Chr-S1  
(5 S)  
48", 96"  
Aluminum, White, Black  
For Tapes Tape light or wider | Height (H): 0.21 in.  
Width (W): 0.37 in.  
Depth (D): 0.25 in. | 48 in. channel & frosted cover  
2 x surface mounting clips  
End caps: 1x open, 1x closed. | Soldered Lead Only  
3mm Tape Light: Soldered Lead Only | Classic Frosted Lens  
BLBSC1, BLBSC2, BLBSC3  
Semi-Diffused | Beam Angle: 10º  
Classic Frosted Lens  
+ CCT Shift: 40K  
+ IP Rating Shift: IP65 | U-Clip: 0.22 x 0.58 in. (H x W) |
**BLAZE™ Wet Location LED Strip Light**

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7 year warranty.

## RECOMMENDED CHANNELS

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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>
<tbody>
<tr>
<td><strong>S2 Channel</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr-ChIB-S2</td>
<td></td>
<td>Height (H): 0.57 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>Beam Angle: 10º</td>
<td>Classic Frosted Lens</td>
<td>0.54 x 0.75 in. (9 x W)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Width (W): 0.74 in.</td>
<td>96 in. Channel &amp; Frosted Lens, 2 open end cap, 2 closed end cap, 4 mounting clips, 4 mounting screws.</td>
<td>Classic Frosted Lens</td>
<td>Light Loss: 20%</td>
<td>IP Rating Shift: IP40</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Interior Depth (ID): 0.36 in.</td>
<td></td>
<td>Semi-Diffused</td>
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<tr>
<td></td>
<td></td>
<td>Interior Width (IW): 0.83 in.</td>
<td></td>
<td>Premium Diffusion</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>S45 Channel</strong></td>
<td></td>
<td>Height (H): 0.78 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>Beam Angle: 10º</td>
<td>Classic Frosted Lens</td>
<td>0.79 x 0.79 in. (9 x W)</td>
</tr>
<tr>
<td>Dr-ChIB-S45</td>
<td></td>
<td>Width (W): 0.78 in.</td>
<td>96 in. Channel &amp; Frosted Lens, 2 open end cap, 2 closed end cap, 4 mounting clips, 4 mounting screws.</td>
<td>Classic Frosted Lens</td>
<td>Light Loss: 20%</td>
<td>IP Rating Shift: IP40</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Interior Depth (ID): 0.54 in.</td>
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<td>Semi-Diffused</td>
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<tr>
<td></td>
<td></td>
<td>Interior Width (IW): 0.63 in.</td>
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<tr>
<td><strong>Slim Channel</strong></td>
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<td>Height (H): 0.38 in.</td>
<td>48 in. Channel &amp; Frosted Lens, 1 open end cap, 1 closed end cap, 2 surface mounting clips.</td>
<td>Beam Angle: 10º</td>
<td>Architectural Clear Lens</td>
<td>0.54 x 0.67 in. (9 x W)</td>
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<tr>
<td>Dr-ChIB-SL</td>
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<td>Width (W): 0.82 in.</td>
<td>96 in. Channel &amp; Frosted Lens, 2 open end cap, 2 closed end cap, 4 surface mounting clips.</td>
<td>Architectural Clear Lens</td>
<td>Light Loss: 15%</td>
<td>IP Rating Shift: IP40</td>
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<tr>
<td></td>
<td></td>
<td>Interior Depth (ID): 0.69 in.</td>
<td></td>
<td>Premium Diffusion Lens</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Interior Width (IW): 0.67 in.</td>
<td></td>
<td>Premium Diffusion Lens</td>
<td></td>
<td></td>
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<tr>
<td><strong>Canal Channel</strong></td>
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<td>Height (H): 0.53 in.</td>
<td>48 in. Channel &amp; Frosted Lens, 1 open end cap, 1 closed end cap, 2 surface mounting clips.</td>
<td>Beam Angle: 10º</td>
<td>Opal Lens</td>
<td>0.5 x 0.7 in. (9 x W)</td>
</tr>
<tr>
<td>Dr-ChIB-CAN</td>
<td></td>
<td>Width (W): 0.89 in.</td>
<td>96 in. Channel &amp; Frosted Lens, 2 open end cap, 2 closed end cap, 4 surface mounting clips.</td>
<td>Opal Lens</td>
<td>Light Loss: 50%</td>
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<td></td>
<td></td>
<td>Interior Depth (ID): 0.54 in.</td>
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<td>Low Profile Lens</td>
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<tr>
<td></td>
<td></td>
<td>Interior Width (IW): 0.81 in.</td>
<td></td>
<td>Dotless</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Project Notes**

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7 year warranty.
## 16mm Square Channel

**Model:** D1-CPCB-SQ-Black  
**Width:** 0.92 in.  
**Height:** 0.61 in.  
**Depth:** 0.82 in.

### Included Accessories
- 4x End-to-end interconnects
- 4x Surface mounted clips
- 4x End-to-end interconnects

### Connection Options
- 4x End-to-end interconnects
- Architectural Frosted Lens
- BLBSC3: Semi-Diffused
- BLBSC2: Classic Frosted Lens

### Technical Ratings
- **Beam Angle:** 120º
- **Light Loss:** 10%
- **CCT Shift:** 35K
- **CRI:** 80
- **IP Rating Shift:** IP65

### Mounting Options
- 0.61 x 0.62 in. (4x8)
- Vertical Mount: 0.61 x 0.62 in. (4x8)
- Rotating Mount: 1.00 x 0.62 in. (4x8)
- Hanging Mount: 0.80 x 0.62 in. (4x8)

### 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>
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<tr>
<td>16mm Square Channel</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
| **Model:** D1-CPCB-SQ-Black  
**Width:** 0.92 in.  
**Height:** 0.61 in.  
**Depth:** 0.82 in. | | | | | |
| **Model:** D1-CPCB-SQ-White  
**Width:** 0.92 in.  
**Height:** 0.61 in.  
**Depth:** 0.82 in. | | | | | |
| **Model:** D1-CPCB-SQ-White  
**Width:** 0.92 in.  
**Height:** 0.61 in.  
**Depth:** 0.82 in. | | | | | |
| **Model:** D1-CPCB-SQ-White  
**Width:** 0.92 in.  
**Height:** 0.61 in.  
**Depth:** 0.82 in. | | | | | |
**BLAZE™ Wet Location** 12V and 24V

LED Strip Light

Performance and value for everyday projects. Our most popular tape light, available in a wide range of color temperatures and outputs. Suitable for wet locations (IP65).

7 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>Reflector Channel</strong>&lt;br&gt;DI-CPCHB-BFCTR&lt;br&gt;(REF)&lt;br&gt;48&quot;, 96&quot;&lt;br&gt;Aluminum&lt;br&gt;For larger Tape lights or smaller&lt;br&gt;</td>
<td><img src="image1.png" alt="Diagram" /></td>
<td>8mm Tape Light, Soldered Lead Only&lt;br&gt;Beam Angle: 120º&lt;br&gt;Classic Frosted Lens&lt;br&gt;Light Loss: 20%&lt;br&gt;CCT Shift: .WindowManager 40K&lt;br&gt;IP Rating Shift: IP65</td>
<td><img src="image2.png" alt="Connection Options" /></td>
<td><img src="image3.png" alt="In Channel Diffusion" /></td>
<td><img src="image4.png" alt="Technical Ratings" /></td>
<td><img src="image5.png" alt="Mounting Options with Dimensions" /></td>
</tr>
</tbody>
</table>

| **1-inch Mud-In Channel**<br>DI-CPCHB-MUD1<br>(SM)<br>48", 96"<br>Aluminum<br>For larger Tape lights or smaller<br>| ![Diagram](image6.png) | 8mm Tape Light, Soldered Lead Only<br>Beam Angle: 120º<br>Opal Lens<br>Light Loss: 55%<br>CCT Shift: .WindowManager 200K<br>IP Rating Shift: IP65 | ![Connection Options](image7.png) | ![In Channel Diffusion](image8.png) | ![Technical Ratings](image9.png) | ![Mounting Options with Dimensions](image10.png) |

| **2-inch Mud-In Channel**<br>DI-CPCHB-MUD2<br>(LM)<br>48", 96"<br>Aluminum<br>For larger Tape lights or smaller<br>| ![Diagram](image11.png) | 8mm Tape Light, Soldered Lead Only<br>Beam Angle: 120º<br>Opal Lens<br>Light Loss: 55%<br>CCT Shift: .WindowManager 200K<br>IP Rating Shift: IP65 | ![Connection Options](image12.png) | ![In Channel Diffusion](image13.png) | ![Technical Ratings](image14.png) | ![Mounting Options with Dimensions](image15.png) |

| **Recessed Channel**<br>DI-CPCHB-REC<br>(REC)<br>48", 96"<br>Aluminum<br>For larger Tape lights or smaller<br>| ![Diagram](image16.png) | 8mm Tape Light, Soldered Lead Only<br>Beam Angle: 120º<br>Classic Frosted Lens<br>Light Loss: 20%<br>CCT Shift: .WindowManager 40K<br>IP Rating Shift: IP65 | ![Connection Options](image17.png) | ![In Channel Diffusion](image18.png) | ![Technical Ratings](image19.png) | ![Mounting Options with Dimensions](image20.png) |
**BLAZE™ Wet Location**  
12V and 24V  
LED Strip Light

Performance and value for everyday projects. Our most popular tape light, available in a wide range of color temperatures and outputs. Suitable for wet locations (IP65).  
7 year warranty.

### RECOMMENDED CHANNELS

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<tr>
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<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>
| Waveform Channel  
Di-CPCHB-WF  
(6WF)  
48”  
Aluminum  
For face tape lights or channel |  |  |  |  |  |  |

- Height (H): 0.3 in.  
- Width (W): 0.71 in.  
- Interior Width (IW): 0.49 in.  
- Height (H) Cover: 0.2 in.

- 48 in. channel & front covers  
- 2x surface mounting clips  
- End caps: 1x open, 1x closed.

- 3mm Tape Light: Soldered Lead Only.

- TECHNICAL RATINGS
  - Beam Angle: 100°  
  - Min. Bend Radius: 8 in.  
  - CCT Shift: 40K  
  - IP Rating Shift: IP40

### Waveform Channel  
Di-CPCHB-WF  
(6WF)  
48”  
Aluminum  
For face tape lights or channel

<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>
</tr>
</thead>
</table>
| Waveform Channel  
Di-CPCHB-WF  
(6WF)  
48”  
Aluminum  
For face tape lights or channel |  |  |  |  |  |

- Height (H): 0.3 in.  
- Width (W): 0.71 in.  
- Interior Width (IW): 0.49 in.  
- Height (H) Cover: 0.2 in.  
- 48 in. channel & front covers  
- 2x surface mounting clips  
- End caps: 1x open, 1x closed.

<table>
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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>
</tr>
</thead>
</table>
| Waveform Channel  
Di-CPCHB-WF  
(6WF)  
48”  
Aluminum  
For face tape lights or channel |  |  |  |  |  |

- Height (H): 1.1 in.  
- Width (W): 1.21 in.  
- Interior Depth (ID): 0.53 in.  
- Interior Width (IW): 0.84 in.

- 48 in. channel, 2x frosted cover  
- 48 in. channel, 2x frosted cover  
- End caps: 1x open, 1x closed.

- TECHNICAL RATINGS
  - Beam Angle: 100°  
  - Min. Bend Radius: 8 in.  
  - CCT Shift: 40K  
  - IP Rating Shift: IP40

### Sconce Channel  
Di-CPCHB-SCNC  
(6SCNC)  
48”, 96”  
Aluminum  
For face tape lights or channel

<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>
</tr>
</thead>
</table>
| Sconce Channel  
Di-CPCHB-SCNC  
(6SCNC)  
48”, 96”  
Aluminum  
For face tape lights or channel |  |  |  |  |  |

- Height (H): 1.1 in.  
- Width (W): 1.21 in.  
- Interior Depth (ID): 0.53 in.  
- Interior Width (IW): 0.84 in.  
- 48 in. channel, 2x frosted cover  
- 48 in. channel, 2x frosted cover  
- End caps: 1x open, 1x closed.

- TECHNICAL RATINGS
  - Beam Angle: 100°  
  - Min. Bend Radius: 8 in.  
  - CCT Shift: 40K  
  - IP Rating Shift: IP40

### Sconce Channel  
Di-CPCHB-SCNC  
(6SCNC)  
48”, 96”  
Aluminum  
For face tape lights or channel
## BLAZE™ Wet Location LED Strip Light

Performance and value for everyday projects. Our most popular tape light, available in a wide range of color temperatures and outputs. Suitable for wet locations (IP65). 7 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></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DI-OXI-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-OXI-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-OXI-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>
</tbody>
</table>

| OMNIDRIVE® Electronic Dimmable Driver |
| DI-TD-24V-45W-LPS3R  | 90-135VAC at 50/60Hz      | 24V            | 45W          | Load at least 60% labeled load | Yes     | Yes      | 10.79 in. | 7.34 in. | 2.36 in. |
| DI-TD-24V-60W-LPS3R  | 90-135VAC 50/60Hz         | 24V            | 60W          | Load at least 60% labeled load | Yes     | No, Not compatible with PWM controls. | 10.79 in. | 7.34 in. | 2.36 in. |
| DI-TD-24V-80W-LPS3R  | 90-135VAC 50/60Hz         | 24V            | 80W          | Load at least 60% labeled load | Yes     | No, Not compatible with PWM controls. | 10.79 in. | 7.34 in. | 2.36 in. |

| OMNIDRIVE® BASICS Electronic Dimmable Driver |
| DI-ODBELV-24V60W-LPELV | 120V AC 50/60Hz, 0.5A | 24V | 60W | No minimum load | Yes     | Yes      | 5.5 in. | 4.7 in. | 0.96 in. |
| DI-ODBELV-24V60W     | 120V AC 50/60Hz, 0.5A | 24V | 60W | No minimum load | Yes     | Yes      | 4.2 in. | 1.75 in. | 0.96 in. |

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></td>
</tr>
<tr>
<td>CASAMBI PWM4</td>
<td>CASAMBI PWM4 Single Color Dimming Controller</td>
</tr>
<tr>
<td>CASAMBI A2D</td>
<td>CASAMBI A2D 2 Channel 0-10V(DALI) Controller</td>
</tr>
<tr>
<td>CASAMBI ASR</td>
<td>CASAMBI ASR 0-10V Controller</td>
</tr>
<tr>
<td>CASAMBI TED</td>
<td>CASAMBI TED AC High Voltage Controller</td>
</tr>
</tbody>
</table>

| TOUCHDIAL™ Control Systems |
| DI-RF-WMT-RGBW        | TOUCHDIAL RGB(W) Wall Control - Single Zone |
| DI-RF-REC-CV-A        | TOUCHDIAL Color Control System - WIFI Receiver |
Performance and value for everyday projects.
Our most popular tape light, available in a wide range of color temperatures and outputs. Suitable for wet locations (IP65).
7 year warranty.

MECHANICAL DIAGRAMS

**12V-BLBC1**
- 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-BLBC2**
- 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-BLBC1**
- 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-BLBC2**
- 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-BLBC3**
- 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 in. Wet Location Connector 20/2 AWG UL 2464 Wire with Strain F
BLAZE™ Wet Location 12V and 24V
LED Strip Light

Performance and value for everyday projects. Our most popular tape light, available in a wide range of color temperatures and outputs. Suitable for wet locations (IP65). 7 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™ Wet Location 12V and 24V LED Strip Light

Performance and value for everyday projects. Our most popular tape light, available in a wide range of color temperatures and outputs. Suitable for wet locations (IP65): 7 year warranty.

CERTIFICATIONS

Safety

- UL Listed 2108 Low Voltage Lighting System / Low Voltage Luminaire. UL 1588 / CSA-2510-D-08, UL 8750. UL 879 / CAN/CSA-C22.2 no. 207-M89. Certified for United States and Canada. File # E469769.
- UL Listed Field Cutable.
- CE & EMC Compliant: Verification No. G2EM14100883705V

Environment

- Ambient Temperature: -4 to 122°F (-20 to 50°C)
- Operating Temperature: -4 to 176°F (-20 to 80°C)
- RoHS Compliance: 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.

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

• 7 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 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.