Specifications

Color Temperatures | RGB
--- | ---
Input Power | 24VDC
Max Run Length | 22FT
Cut Length | Every 4"
Power Consumption | 4.4 Watts/FT
Product Color | Black
Connector Compatibility | Zeus RGB Connector
LEDs per Foot | 18
Light Distribution | 120°

Mounting | 3M VHB Adhesive
Dimensions (LxWxH) | [Roll Length] x 1/2" x 1/8"
Operating Temperature | -22°F to 140°F (-30°C to 60°C)
Lamp Life | 50,000 Hours
Certifications | UL Listed
Dimming | PWM with RGB Controller
Warranty | 5 Year Limited
Environment | IP54 Indoor, Damp

Performance Data Summary

<table>
<thead>
<tr>
<th>Color</th>
<th>Approximate Lumens/FT*</th>
<th>Nanometer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>White (RGB)</td>
<td>180</td>
<td>482</td>
</tr>
<tr>
<td>Red</td>
<td>32</td>
<td>625</td>
</tr>
<tr>
<td>Green</td>
<td>108</td>
<td>529</td>
</tr>
<tr>
<td>Blue</td>
<td>31</td>
<td>472</td>
</tr>
</tbody>
</table>

*These are considered approximate values and only reflect the standard red, green, and blue as defined by an RGB controller. Other shades of these colors have not been measured.

Ordering

<table>
<thead>
<tr>
<th>Version - Series - Color Temperature - Product Color - Roll Length</th>
<th>Example QTY Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>V4 NSKN RGB BLK (Black)</td>
<td>Custom 65 FT</td>
</tr>
<tr>
<td>Order a Bulk Roll:</td>
<td></td>
</tr>
<tr>
<td>16FT V4-NSKN-RGB-BLK-16</td>
<td>3 48FT</td>
</tr>
<tr>
<td>50FT V4-NSKN-RGB-BLK-100</td>
<td>1 100FT</td>
</tr>
<tr>
<td>100FT Order by the Foot:</td>
<td></td>
</tr>
<tr>
<td>V4-NSKN-RGB-BLK-CUSTOM</td>
<td>3 3FT</td>
</tr>
<tr>
<td>V4-NSKN-RGB-BLK-CUSTOM</td>
<td>65 65FT</td>
</tr>
</tbody>
</table>
Dimensions

Tape Light Only

---

4"

1/2"

Tape Light with Zeus RGB Connector

---

1-3/16"

9/16"

1/4"
### Zeus RGB (4-Wire) Connectors

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Wire Length</th>
<th>Wire Size</th>
<th>Wire Rating</th>
<th>Wire Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>V4-CON-HW-10-RGB-IWR-BLK</td>
<td>10FT RGB Plenum (In-Wall) Lead Wire</td>
<td>10FT</td>
<td>18AWG</td>
<td>CL3P</td>
<td>Black</td>
</tr>
<tr>
<td>V4-CON-HW-25-RGB-IWR-BLK</td>
<td>25FT RGB Plenum (In-Wall) Lead Wire</td>
<td>25FT</td>
<td>18AWG</td>
<td>CL3P</td>
<td>Black</td>
</tr>
<tr>
<td>V4-EXT-2IN-RGB-IWR-BLK</td>
<td>2 Inch RGB Plenum (In-Wall) Extension</td>
<td>2in</td>
<td>18AWG</td>
<td>CL3P</td>
<td>Black</td>
</tr>
<tr>
<td>V4-EXT-4IN-RGB-IWR-BLK</td>
<td>4 Inch RGB Plenum (In-Wall) Extension</td>
<td>4in</td>
<td>18AWG</td>
<td>CL3P</td>
<td>Black</td>
</tr>
<tr>
<td>V4-EXT-1FT-RGB-IWR-BLK</td>
<td>1FT RGB Plenum (In-Wall) Rated Extension</td>
<td>1FT</td>
<td>18AWG</td>
<td>CL3P</td>
<td>Black</td>
</tr>
<tr>
<td>V4-EXT-3FT-RGB-IWR-BLK</td>
<td>3FT RGB Plenum (In-Wall) Rated Extension</td>
<td>3FT</td>
<td>18AWG</td>
<td>CL3P</td>
<td>Black</td>
</tr>
<tr>
<td>V4-EXT-6FT-RGB-IWR-BLK</td>
<td>6FT RGB Plenum (In-Wall) Rated Extension</td>
<td>6FT</td>
<td>18AWG</td>
<td>CL3P</td>
<td>Black</td>
</tr>
<tr>
<td>V4-EXT-12FT-RGB-IWR-BLK</td>
<td>12FT RGB Plenum (In-Wall) Rated Extension</td>
<td>12FT</td>
<td>18AWG</td>
<td>CL3P</td>
<td>Black</td>
</tr>
<tr>
<td>V4-CON-T-RGB-IWR-BLK</td>
<td>RGB T-Connector (Connect 1 piece of tape light to 2 additional pieces of tape light)</td>
<td>N/A</td>
<td>18AWG</td>
<td>CL3P</td>
<td>Black</td>
</tr>
<tr>
<td>V4-EXT-SPLICE-BLK</td>
<td>Splice Connector for Inspire V4 Single Color &amp; RGB (Connect 2 pieces of tape light together seamlessly)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Black</td>
</tr>
</tbody>
</table>
### Electronic 0-10V Dimmable 120-277V Drivers

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Watts</th>
<th>Input Voltage</th>
<th>Output Voltage</th>
<th>Dimensions (LxWxH)</th>
<th>Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR-25W-24VDC-DIM10</td>
<td>25W Electronic 0-10V Dimmable Hardwire Driver, UL Recognized.</td>
<td>25W</td>
<td>120-277V AC</td>
<td>24V DC</td>
<td>9-1/2&quot; x 1-11/16&quot; x 1-1/8&quot; (242 x 43 x 29mm)</td>
<td>IP66</td>
</tr>
<tr>
<td>DR-60W-24VDC-DIM10</td>
<td>60W Electronic 0-10V Dimmable Hardwire Driver, UL Recognized.</td>
<td>60W</td>
<td>120-277V AC</td>
<td>24V DC</td>
<td>9-1/2&quot; x 1-11/16&quot; x 1-1/8&quot; (242 x 43 x 29mm)</td>
<td>IP66</td>
</tr>
<tr>
<td>DR-60W-24VDC-U-2-10-c</td>
<td>60W Electronic 0-10V Dimmable Hardwire Driver, UL Listed.</td>
<td>60W</td>
<td>120-277V AC</td>
<td>24V DC</td>
<td>9-1/2&quot; x 1-11/16&quot; x 1-1/8&quot; (242 x 43 x 29mm)</td>
<td>IP66</td>
</tr>
<tr>
<td>DR-100W-24VDC-DIM10</td>
<td>100W Electronic 0-10V Dimmable Hardwire Driver, UL Recognized.</td>
<td>100W</td>
<td>120-277V AC</td>
<td>24V DC</td>
<td>9-1/2&quot; x 2-3/8&quot; x 1-7/16&quot; (242 x 60 x 37mm)</td>
<td>IP66</td>
</tr>
<tr>
<td>DR-100W-24VDC-U-2-10-c</td>
<td>100W Electronic 0-10V Dimmable Hardwire Driver, UL Listed.</td>
<td>100W</td>
<td>120-277V AC</td>
<td>24V DC</td>
<td>9-1/2&quot; x 2-3/8&quot; x 1-7/16&quot; (242 x 60 x 37mm)</td>
<td>IP66</td>
</tr>
<tr>
<td>DR-150W-24VDC-U-1-10-w</td>
<td>150W Electronic 0-10V Dimmable Hardwire Driver, UL Recognized.</td>
<td>150W</td>
<td>120-277V AC</td>
<td>24V DC</td>
<td>9&quot; x 2-11/16&quot; x 1-1/2&quot; (229 x 69 x 39mm)</td>
<td>IP67</td>
</tr>
<tr>
<td>DR-200W-24VDC-U-2-10-g</td>
<td>200W Electronic 0-10V Dimmable Hardwire Driver, UL Listed.</td>
<td>200W</td>
<td>120-277V AC</td>
<td>24V DC</td>
<td>12-1/4&quot; x 4-1/2&quot; x 2-3/8&quot; (312 x 115 x 61mm)</td>
<td>IP65</td>
</tr>
<tr>
<td>DR-240W-24VDC-U-1-10-w</td>
<td>240W Electronic 0-10V Dimmable Hardwire Driver, UL Recognized.</td>
<td>240W</td>
<td>120-277V AC</td>
<td>24V DC</td>
<td>9-5/8&quot; x 2-11/16&quot; x 1-1/2&quot; (245 x 69 x 39mm)</td>
<td>IP67</td>
</tr>
<tr>
<td>DR-320W-24VDC-U-1-10-w</td>
<td>320W Electronic 0-10V Dimmable Hardwire Driver, UL Recognized.</td>
<td>320W</td>
<td>120-277V AC</td>
<td>24V DC</td>
<td>9-5/16&quot; x 3-9/16&quot; x 1-3/4&quot; (232 x 91 x 45mm)</td>
<td>IP67</td>
</tr>
<tr>
<td>DR-600W-24VDC-U-1-10-w</td>
<td>600W Electronic 0-10V Dimmable Hardwire Driver, UL Recognized.</td>
<td>600W</td>
<td>120-277V AC</td>
<td>24V DC</td>
<td>11&quot; x 5-11/16&quot; x 1-15/16&quot; (280 x 145 x 50mm)</td>
<td>IP67</td>
</tr>
</tbody>
</table>

### Electronic Plug-In Non-Dimmable 120-240V Drivers

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Watts</th>
<th>Input Voltage</th>
<th>Output Voltage</th>
<th>Dimensions (LxWxH)</th>
<th>Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR-36W-24VDC-120V-2-ND-e</td>
<td>36W Electronic Wall Plug-In Non-Dimmable Driver</td>
<td>36W</td>
<td>120-240V AC</td>
<td>24V DC</td>
<td>3-3/4&quot; x 1-7/8&quot; x 1-3/16&quot; (96 x 48 x 31mm)</td>
<td>Indoor, Dry Location Only</td>
</tr>
<tr>
<td>DR-96W-24VDC-120V-2-ND-e</td>
<td>96W Electronic Wall Plug-In Non-Dimmable Driver</td>
<td>96W</td>
<td>120-240V AC</td>
<td>24V DC</td>
<td>5-1/8&quot; x 2-5/16&quot; x 1-1/4&quot; (131 x 59 x 32mm)</td>
<td>Indoor, Dry Location Only</td>
</tr>
<tr>
<td>DR-144W-24VDC-120V-1-ND-e</td>
<td>144W Electronic Wall Plug-In Non-Dimmable Driver</td>
<td>144W</td>
<td>120-240V AC</td>
<td>24V DC</td>
<td>6-3/4&quot; x 2-7/8&quot; x 1-1/4&quot; (172 x 73 x 32mm)</td>
<td>Indoor, Dry Location Only</td>
</tr>
</tbody>
</table>
Specifications

Lengths
- 3FT
- 6FT
- Custom (see Ordering section below)

Lens Options & Light Transmittance
- Standard, Frosted (85%)
- Tall, Frosted (85%)
- Standard, Clear (92%)

Mounting Hardware Sets
- Surface Mounting Clips

End Cap Sets
- Standard, Slim Set (for Standard Lenses)
- Tall, Slim Set (for Tall Lens)

IP Rating
- IP54 Indoor, Damp

Ordering: Build Your Own

1. Select Your Channel Length
   - CH1-SLM-3: 3FT Slim Channel - Aluminum Only
   - CH1-SLM-6: 6FT Slim Channel - Aluminum Only

2. Select Your Lens Type & Length
   - CH1-LENS-STFR-3: 3FT Standard, Frosted Lens
   - CH1-LENS-STFR-6: 6FT Standard, Frosted Lens
   - CH1-LENS-TFR-3: 3FT Tall, Frosted Lens
   - CH1-LENS-TFR-6: 6FT Tall, Frosted Lens
   - CH1-LENS-STCL-3: 3FT Standard, Clear Lens
   - CH1-LENS-STCL-6: 6FT Standard, Clear Lens

3. Select Your Mounting Hardware
   - CH1-MNT-SM: Surface Mounting Hardware Set. Includes (x3) mounting clips and (x3) screws.

4. Select Your End Caps
   - CH1-END-STSLM: Standard, Slim End Cap Set. Includes (x1) solid end cap and (x1) wire-exit end cap. Compatible with standard lenses only.
   - CH1-END-TSLM: Tall, Slim End Cap Set. Includes (x1) solid end cap and (x1) wire-exit end cap. Compatible with tall lenses only.

Ordering: Kits (unassembled)

- CH1-KIT-SLM-FR-3: One Kit includes a 3FT Slim Channel with a Standard, Frosted Lens, a set of mounting hardware, and a set of end caps.
- CH1-KIT-SLM-FR-6: One Kit includes a 6FT Slim Channel with a Standard, Frosted Lens, a set of mounting hardware, and a set of end caps.
- CH1-KIT-SLM-TFR-3: One Kit includes a 3FT Slim Channel with a Tall, Frosted Lens, a set of mounting hardware, and a set of end caps.
- CH1-KIT-SLM-TFR-6: One Kit includes a 6FT Slim Channel with a Tall, Frosted Lens, a set of mounting hardware, and a set of end caps.
- CH1-KIT-SLM-CL-3: One Kit includes a 3FT Slim Channel with a Standard, Clear Lens, a set of mounting hardware, and a set of end caps.
- CH1-KIT-SLM-CL-6: One Kit includes a 6FT Slim Channel with a Standard, Clear Lens, a set of mounting hardware, and a set of end caps.

Ordering: Custom Length

Use the Custom Length Tape Light & Channel Configurator on page 10 to order your Inspire Channel in custom lengths.
Specifications

**Lengths**
- 3FT
- 6FT
- Custom (see Ordering section below)

**Lens Options & Light Transmittance**
- Standard, Frosted (85%)
- Tall, Frosted (85%)
- Standard, Clear (92%)

**Mounting Hardware Sets**
- Surface Mounting Clips

**End Cap Sets**
- Standard, Square Set (for Standard Lenses)
- Tall, Square Set (for Tall Lens)

**IP Rating**
- IP54 Indoor, Damp

---

**Ordering: Build Your Own**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
</table>

1. **Select Your Channel Length**

- CH1-SQ-3: 3FT Square Channel - Aluminum Only
- CH1-SQ-6: 6FT Square Channel - Aluminum Only

2. **Select Your Lens Type & Length**

- CH1-LENS-STFR-3: 3FT Standard, Frosted Lens
- CH1-LENS-STFR-6: 6FT Standard, Frosted Lens
- CH1-LENS-TFR-3: 3FT Tall, Frosted Lens
- CH1-LENS-TFR-6: 6FT Tall, Frosted Lens
- CH1-LENS-STCL-3: 3FT Standard, Clear Lens
- CH1-LENS-STCL-6: 6FT Standard, Clear Lens

3. **Select Your Mounting Hardware**

- CH1-MNT-SM: Surface Mount Mounting Hardware Set. Includes (x3) mounting clips and (x3) screws.

4. **Select Your End Caps**

- CH1-END-STSQ: Standard, Square End Cap Set. Includes (x1) solid end cap and (x1) wire-exit end cap. **Compatible with standard lenses only.**
- CH1-END-TSQ: Tall, Square End Cap Set. Includes (x1) solid end cap and (x1) wire-exit end cap. **Compatible with tall lenses only.**

**Ordering: Kits (unassembled)**

- CH1-KIT-SQ-FR-3: One Kit includes a 3FT Square Channel with a Standard, Frosted Lens, a set of mounting hardware, and a set of end caps.
- CH1-KIT-SQ-FR-6: One Kit includes a 6FT Square Channel with a Standard, Frosted Lens, a set of mounting hardware, and a set of end caps.
- CH1-KIT-SQ-TFR-3: One Kit includes a 3FT Square Channel with a Tall, Frosted Lens, a set of mounting hardware, and a set of end caps.
- CH1-KIT-SQ-TFR-6: One Kit includes a 6FT Square Channel with a Tall, Frosted Lens, a set of mounting hardware, and a set of end caps.
- CH1-KIT-SQ-CL-3: One Kit includes a 3FT Square Channel with a Standard, Clear Lens, a set of mounting hardware, and a set of end caps.
- CH1-KIT-SQ-CL-6: One Kit includes a 6FT Square Channel with a Standard, Clear Lens, a set of mounting hardware, and a set of end caps.

**Ordering: Custom Length**

Use the Custom Length Tape Light & Channel Configurator on page 10 to order your Inspire Channel in custom lengths.
## Specifications

**Lengths**
- 3FT
- 6FT
- Custom (see Ordering section below)

**Lens Options & Light Transmittance**
- Angled, Frosted (85%)
- Angled, Clear (92%)

**Mounting Hardware Sets**
- Angled Mounting Clips

**End Cap Sets**
- Angled Set

**IP Rating**
- IP54 Indoor, Damp

---

### Ordering: *Build Your Own*

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Select Your Channel Length</strong></td>
<td></td>
</tr>
<tr>
<td>CH1-ANG-3</td>
<td>3FT Angled Channel - Aluminum Only</td>
</tr>
<tr>
<td>CH1-ANG-6</td>
<td>6FT Angled Channel - Aluminum Only</td>
</tr>
<tr>
<td><strong>2. Select Your Lens Type &amp; Length</strong></td>
<td></td>
</tr>
<tr>
<td>CH1-LENS-ANGFR-3</td>
<td>3FT Angled, Frosted Lens</td>
</tr>
<tr>
<td>CH1-LENS-ANGFR-6</td>
<td>6FT Angled, Frosted Lens</td>
</tr>
<tr>
<td>CH1-LENS-ANGCL-3</td>
<td>3FT Angled, Clear Lens</td>
</tr>
<tr>
<td>CH1-LENS-ANGCL-6</td>
<td>6FT Angled, Clear Lens</td>
</tr>
<tr>
<td><strong>3. Select Your Mounting Hardware</strong></td>
<td></td>
</tr>
<tr>
<td>CH1-MNT-ANG</td>
<td>Angled Mount Mounting Hardware Set. Includes (x3) mounting clips and (x3) screws.</td>
</tr>
<tr>
<td><strong>4. Select Your End Caps</strong></td>
<td></td>
</tr>
<tr>
<td>CH1-END-ANG</td>
<td>Angled End Cap Set. Includes (x1) solid end cap and (x1) wire-exit end cap.</td>
</tr>
</tbody>
</table>

### Ordering: *Kits (unassembled)*

- **CH1-KIT-ANG-FR-3**
  One Kit includes a 3FT Angled Channel with an Angled, Frosted Lens, a set of mounting hardware, and a set of end caps.

- **CH1-KIT-ANG-FR-6**
  One Kit includes a 6FT Angled Channel with an Angled, Frosted Lens, a set of mounting hardware, and a set of end caps.

- **CH1-KIT-ANG-CL-3**
  One Kit includes a 3FT Angled Channel with an Angled, Clear Lens, a set of mounting hardware, and a set of end caps.

- **CH1-KIT-ANG-CL-6**
  One Kit includes a 6FT Angled Channel with an Angled, Clear Lens, a set of mounting hardware, and a set of end caps.

### Ordering: *Custom Length*

Use the Custom Length Tape Light & Channel Configurator on page 10 to order your Inspire Channel in custom lengths.
Specifications

Lengths
- 3FT
- 6FT
- Custom (see Ordering section below)

Lens Options & Light Transmittance
- Standard, Frosted (85%)
- Standard, Clear (92%)

Mounting Hardware Sets
- Recessed Mounting Springs

End Cap Sets
- Recessed Set

IP Rating
- IP54 Indoor, Damp

Ordering: Build Your Own

Part # | Description
--- | ---

1. Select Your Channel Length
- CH1-REC-3 | 3FT Recessed Channel - Aluminum Only
- CH1-REC-6 | 6FT Recessed Channel - Aluminum Only

2. Select Your Lens Type & Length
- CH1-LENS-STFR-3 | 3FT Standard, Frosted Lens
- CH1-LENS-STFR-6 | 6FT Standard, Frosted Lens
- CH1-LENS-STCL-3 | 3FT Standard, Clear Lens
- CH1-LENS-STCL-6 | 6FT Standard, Clear Lens

3. Select Your Mounting Hardware
- CH1-MNT-REC | Recessed Mount Mounting Hardware Set. Includes (x2) recessed springs, (x1) extension piece, (x2) set screws, and (x1) allen wrench. (compatible with 1/2” and 5/8” drywall)

4. Select Your End Caps
- CH1-END-REC | Recessed End Cap Set. Includes (x1) solid end cap and (x1) wire-exit end cap.

Ordering: Kits (unassembled)

CH1-KIT-REC-FR-3
One Kit includes a 3FT Recessed Channel with a Standard, Frosted Lens, a set of mounting hardware, and a set of end caps.

CH1-KIT-REC-FR-6
One Kit includes a 6FT Recessed Channel with a Standard, Frosted Lens, a set of mounting hardware, and a set of end caps.

CH1-KIT-REC-CL-3
One Kit includes a 3FT Recessed Channel with a Standard, Clear Lens, a set of mounting hardware, and a set of end caps.

CH1-KIT-REC-CL-6
One Kit includes a 6FT Recessed Channel with a Standard, Clear Lens, a set of mounting hardware, and a set of end caps.

Ordering: Custom Length
Use the Custom Length Tape Light & Channel Configurator on page 10 to order your Inspire Channel in custom lengths.
Inspire Channel Lens Diffusion

The diffusion of the Inspire LED tape light varies based on the channel and lens you’re using. The scale below shows the different levels of diffusion. See the chart below to review how the Inspire LED tape light diffuses with each channel and lens option.

**NOTE:** Printing may cause the images below to appear incorrectly.

---

**LED Tape Light**

- **Inspire V4 NanoSKN RGB**

---

### Slim Channel

<table>
<thead>
<tr>
<th>LED Tape Light</th>
<th>Standard, Frosted Lens</th>
<th>Tall, Frosted Lens</th>
<th>Standard, Clear Lens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inspire V4</td>
<td>Minimal</td>
<td>Near-Flawless</td>
<td>No Diffusion</td>
</tr>
</tbody>
</table>

### Square Channel

<table>
<thead>
<tr>
<th>LED Tape Light</th>
<th>Standard, Frosted Lens</th>
<th>Tall, Frosted Lens</th>
<th>Standard, Clear Lens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inspire V4</td>
<td>Minimal</td>
<td>Flawless</td>
<td>No Diffusion</td>
</tr>
</tbody>
</table>

### Recessed Channel

<table>
<thead>
<tr>
<th>LED Tape Light</th>
<th>Standard, Frosted Lens</th>
<th>Tall, Frosted Lens</th>
<th>Standard, Clear Lens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inspire V4</td>
<td>Minimal</td>
<td>No Diffusion</td>
<td></td>
</tr>
</tbody>
</table>

### Angled Channel

<table>
<thead>
<tr>
<th>LED Tape Light</th>
<th>Standard, Frosted Lens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inspire V4</td>
<td>Minimal</td>
</tr>
</tbody>
</table>

---

### Flawless Diffusion

No LEDs visible. Perfect diffusion that creates a seamless bar of light.

---

### Near-Flawless Diffusion

LEDs are hardly visible. Minor shadows may be visible around the LEDs.

---

### Minimal Diffusion

LEDs visible. Shadows are visible around LEDs and the edges of the lens.

---

### No Diffusion

Bare LEDs completely visible.
Follow this step-by-step guide to configure your own custom length Inspire Channel and LED tape light. Also, contact LEDI for our Inspire V5 Custom Length Configurator tool, which helps quickly build and price your own custom length LED tape light & channel for your next project.

**Step 1  Choose Your Tape Light**

**V4-NSKN-RGB**

**Step 2  Choose Your Color Temp.**

**RGB**

---

Tape Light Code

Color Temp. Code

---
Custom Length Tape Light & Channel Configurator

Example of Custom Length Tape Part #:
V4-NSKN-RGB-CUSTOM-9ft3in

Example of Custom Length Tape & Channel Part #:
V4-NSKN-RGB-CUSTOM-9ft3in-C1-L9-M1-E2-B2

Steps 1 & 2

To complete your configuration, see page 4 to select a driver.
Custom Length Tape Light & Channel Configurator

**Step 4**
Choose Your Inspire Channel

- **C1**
  - *Inspire Channel Code*

**Step 5**
Choose Your Lens

- **L9**
  - *Lens Code*

**Slim 3FT or 6FT**
#CH1-SLM-3 or 6

<table>
<thead>
<tr>
<th>3FT Code</th>
<th>6FT Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1</td>
<td>C2</td>
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**Square 3FT or 6FT**
#CH1-SQ-3 or 6

<table>
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<tbody>
<tr>
<td>C3</td>
<td>C4</td>
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**Recessed 3FT or 6FT**
#CH1-REC-3 or 6

<table>
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<tbody>
<tr>
<td>C7</td>
<td>C8</td>
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**Angled 3FT or 6FT**
#CH1-ANG-3 or 6

<table>
<thead>
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<tbody>
<tr>
<td>C5</td>
<td>C6</td>
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**Standard, Frosted 3FT or 6FT**
#CH1-LENS-STFR-3 or 6

<table>
<thead>
<tr>
<th>3FT Code</th>
<th>6FT Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>L2</td>
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**Standard, Clear 3FT or 6FT**
#CH1-LENS-STCL-3 or 6

<table>
<thead>
<tr>
<th>3FT Code</th>
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<tbody>
<tr>
<td>L3</td>
<td>L4</td>
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**Tall, Frosted 3FT or 6FT**
#CH1-LENS-TFR-3 or 6

<table>
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<th>3FT Code</th>
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<tbody>
<tr>
<td>L9</td>
<td>L10</td>
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**Standard, Frosted 3FT or 6FT**
#CH1-LENS-STFR-3 or 6

<table>
<thead>
<tr>
<th>3FT Code</th>
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<tbody>
<tr>
<td>L1</td>
<td>L2</td>
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</tbody>
</table>

**Standard, Clear 3FT or 6FT**
#CH1-LENS-STCL-3 or 6

<table>
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<tr>
<th>3FT Code</th>
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<tbody>
<tr>
<td>L3</td>
<td>L4</td>
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**Tall, Frosted 3FT or 6FT**
#CH1-LENS-TFR-3 or 6

<table>
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<tbody>
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<td>L10</td>
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**Angled, Frosted 3FT or 6FT**
#CH1-LENS-ANGFR-3 or 6

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<tbody>
<tr>
<td>L5</td>
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**Angled, Clear 3FT or 6FT**
#CH1-LENS-ANGCL-3 or 6

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</tr>
</thead>
<tbody>
<tr>
<td>L7</td>
<td>L8</td>
</tr>
</tbody>
</table>
Custom Length Tape Light & Channel Configurator

Step 6
Choose Your Mounting Hardware

M1
Mounting Hardware Code

Surface Mount
#CH1-MNT-SM

Step 7
Choose Your End Caps

E2
End Cap Code

Standard, Slim
#CH1-END-STS LM

Step 8
Choose Your Build Type

B2
End Cap Code

Custom Build Type 1
#CH1-CUSTOM-BUILD-TYPE-B1

Surface Mount
#CH1-MNT-SM

Custom Build Type 2
#CH1-CUSTOM-BUILD-TYPE-B2

Surface Mount
#CH1-MNT-SM

Custom Build Type 1
#CH1-CUSTOM-BUILD-TYPE-B3

Surface Mount
#CH1-MNT-SM

Custom Build Type 1
#CH1-CUSTOM-BUILD-TYPE-B4

Recessed Mount
#CH1-MNT-REC

Custom Build Type 1
#CH1-CUSTOM-BUILD-TYPE-B4

Surface Mount
#CH1-MNT-ANG

Custom Build Type 1
#CH1-CUSTOM-BUILD-TYPE-B1

See the next page to learn about Custom Build Types
Custom Length Tape Light & Channel Configurator

Know the Difference Between Exact and Optimized Build Lengths

**Cut to Exact Length**
Inspire Channel is cut to your exact length and tape light is cut and centered inside the channel. Channel is not optimized to tape light length so there will possibly be a small shadow on each end of the lens.

Requested Length: 12ft 10in
Inspire Channel Length: 12ft 10in

**Cut to Optimized Length**
LED tape light is cut at next shortest cut mark and Inspire Channel is cut to fit the tape light and to eliminate gaps and shadows. The overall length of the channel is up to or slightly shorter than the requested length.

Requested Length: 12ft 10in
Inspire Channel Length: 12ft 8in

Know the Different Build Types

**Build Type 1**
Cut & Unassembled to Exact Length
#CH1-CUSTOM-BUILD-TYPE-B1

<table>
<thead>
<tr>
<th>Assembled</th>
<th>Build Length</th>
<th>Lead Wire</th>
<th>Packaging</th>
<th>Lead Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>Exact</td>
<td>10FT</td>
<td>Per Piece</td>
<td>up to 5 Business Days</td>
</tr>
</tbody>
</table>

**Build Type 2**
Cut & Unassembled to Optimized Length
#CH1-CUSTOM-BUILD-TYPE-B2

<table>
<thead>
<tr>
<th>Assembled</th>
<th>Build Length</th>
<th>Lead Wire</th>
<th>Packaging</th>
<th>Lead Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>Optimized</td>
<td>10FT</td>
<td>Per Piece</td>
<td>up to 5 Business Days</td>
</tr>
</tbody>
</table>

**Build Type 3**
Cut & Assembled to Exact Length (6 foot max length)
#CH1-CUSTOM-BUILD-TYPE-B3

<table>
<thead>
<tr>
<th>Assembled</th>
<th>Build Length</th>
<th>Lead Wire</th>
<th>Packaging</th>
<th>Lead Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Exact</td>
<td>10FT</td>
<td>Complete Fixture</td>
<td>up to 10 Business Days</td>
</tr>
</tbody>
</table>

**Build Type 4**
Cut & Assembled to Optimized Length (6 foot max length)
#CH1-CUSTOM-BUILD-TYPE-B4

<table>
<thead>
<tr>
<th>Assembled</th>
<th>Build Length</th>
<th>Lead Wire</th>
<th>Packaging</th>
<th>Lead Time</th>
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</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Optimized</td>
<td>10FT</td>
<td>Complete Fixture</td>
<td>up to 10 Business Days</td>
</tr>
</tbody>
</table>

1 The custom service lead times for large projects may be longer than projects without custom services. Contact LEDI for more information. 2 Custom Inspire V5 LED Tape Light includes a 10FT CL3P 18AWG soldered lead wire. Custom Inspire V4 LED Tape Light includes a 10FT Zeus hardwire connector. 3 Optimized lengths vary depending upon the LED tape light model, Inspire Channel model, and the lengths associated with them. Use the Inspire V5 Custom Configurator Tool to configure your custom LED tape light and Inspire Channel using optimized lengths.
Inspire V4 LED Tape Light Installation Instructions

1. Measure the location where the LED tape light will be installed.

   ![Measurement of LED tape light location](image1)

2. Cut the LED tape light to the desired length, at the designated cut marks only.

   ![Cut mark on LED tape light](image2)

   - Cut mark on the LED tape light.

3. Remove the mylar film from header wherever you want to connect. Leave the mylar film on other headers to keep LED tape light damp-rated.

   ![Removing mylar film](image3)

4. Install LED tape light by removing the red 3M VHB backing to expose adhesive, then press the LED tape light firmly onto the surface.

   ![Installing LED tape light](image4)
5. Tilt the front of the connector forward and bring it down to align it with the header, then rock the connector back and push down firmly until it “clicks” securely into place.

6. Calculate the driver size required by using this simple equation:

\[ \text{Run Length} \times \text{Per Foot Wattage} = \text{Total Wattage} \]

**Run Length**
Measure, in feet, the length of area to be lit (as described in step 1).

**Per Foot Wattage**
Determine the per foot wattage specific to your LED tape light (see the LED tape light packaging label for more details or visit www.ledi.lighting). 

**Total Wattage**
The correct driver must be able to power at least this amount of wattage.

**Example:** 15FT x 2.2 W/FT = 33 Total Watts
(Use a driver with a rated wattage size of at least 33 total watts)
Stay within maximum run lengths. Exceeding Inspire V4 LED tape light run lengths can damage the LED tape light and void the warranty.

**Maximum Run Lengths (Class 2)**
Inspire V4 RGB = 22ft maximum run length

Make the connections at the driver. As an example, below is one of our more popular drivers with correct wiring schematic.
Disconnection Instructions

1. Insert the small (3mm) screwdriver included in your LED tape light packaging into the side slot where connector (male) attaches to header (female), and rotate to release the clips.

2. Repeat step 1 (above) on the opposite side to release the remaining clips.

3. Disconnect by lifting the connector.