**LINAIRE® Flex Mini 3D Bend**

Small, flexible architectural light that bends in all directions to fit any space. Water resistant with precision light quality and full diffusion for a dotless look.

### FEATURES

- Bends in both directions (top and side) for maximum versatility
- Small, flexible fixture with no visible dots
- Water resistant for indoor and outdoor use
- 90+ CRI
- Factory assembly (IP67), field adjustable termination (IP65)

### ORDERING CODES

Order spools, and components for field assembly

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Series</th>
<th>Model</th>
<th>CCT</th>
<th>Length</th>
<th>Wire Entry</th>
<th>Mounting</th>
<th>Driver</th>
<th>Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>DI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### OPTIONAL ORDERING CODES

Add Wire Entry, Mounting, Driver, and Delivery

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Series</th>
<th>Model</th>
<th>CCT</th>
<th>Length</th>
<th>Wire Entry</th>
<th>Mounting</th>
<th>Driver</th>
<th>Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>24V</td>
<td>M3D</td>
<td>LIN</td>
<td>24</td>
<td>32 (32 feet)</td>
<td>STR (Straight Wire Entry)</td>
<td>3M (3M Adhesive)</td>
<td>ELV (Electronic)</td>
<td>Factory + Field (Hybrid) (IP65)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>27</td>
<td></td>
<td>SIDE (Side Wire Entry)</td>
<td>MC (Mounting Clip)</td>
<td>MAG (MAG)</td>
<td>Factory Assembly (IP67)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>30</td>
<td></td>
<td>BE (Bottom Wire Entry)</td>
<td>LINAIRE Flex Mini 3D Channel</td>
<td>SIB (0-10V)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>35</td>
<td></td>
<td>SINE (LINAIRE Flex Mini 3D Spine Channel)</td>
<td>LINAIRE Flex Mini 3D Channel</td>
<td>SWX (Switchex)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>40</td>
<td></td>
<td></td>
<td></td>
<td>LUT (Lutron)</td>
<td></td>
</tr>
</tbody>
</table>

### 24V LINAIRE® Flex Mini 3D Bend - SPECIFICATION TABLE

<table>
<thead>
<tr>
<th>Models</th>
<th>24V-M3D-LIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>24VDC</td>
</tr>
<tr>
<td>Wattage</td>
<td>1.5W/ft.</td>
</tr>
</tbody>
</table>

- 2400K: 72 Lm/ft.
- 2700K: 75 Lm/ft.
- 3000K: 81 Lm/ft.
- 3500K: 79 Lm/ft.
- 4000K: 73 Lm/ft.

- Cut Points: Free Cut (cut anywhere)
- Max Run (ft.): 32.8 ft.
- CRI: 90+
- Dimensions: 0.39 x 0.39 in. (W x W)
- TM-30 (LM-80): >50,000 hours
- Environment: Outdoor / Wet Location (IP65 / IP67)
- Ambient Temperature: -4 ~ 122°F (-20 ~ 50°C)
- Operating Temperature: -4 ~ 176°F (-20 ~ 80°C)
- Chip Type: 2835
- Certification: UL Listed 2108
- Warranty: 5 Year
LINAIRE® Flex Mini 3D Bend
Linear Light
Small, flexible architectural light that bends in all directions to fit any space. Water resistant with precision light quality and full diffusion for a dotless look.

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>Versatile driver for most high-performance dimming on ELV, TRIAC, and 0-10V systems.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<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>PWM</th>
<th>CLASS 2</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>VLM60W-24-LPS3R</td>
<td>120 / 277VAC 47 - 63Hz</td>
<td>24V</td>
<td>60W</td>
<td>No Minimum Load</td>
<td>Yes</td>
<td>Yes</td>
<td>10.79 in.</td>
<td>7.34 in.</td>
<td>2.36 in.</td>
</tr>
<tr>
<td>VLM60W-24-LPM</td>
<td>120 / 277VAC 47 - 63Hz</td>
<td>24V</td>
<td>60W</td>
<td>No Minimum Load</td>
<td>Yes</td>
<td>PWM</td>
<td>8.19 in.</td>
<td>7.34 in.</td>
<td>2.36 in.</td>
</tr>
<tr>
<td>VLM100W-24-LPS3R</td>
<td>120 / 277VAC 47 - 63Hz</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>

MAGNETIC DIMMABLE DRIVER
All-purpose dimmable driver for everyday tape light projects.

<table>
<thead>
<tr>
<th>SKU</th>
<th>INPUT VOLTAGE / FREQUENCY</th>
<th>OUTPUT VOLTAGE</th>
<th>MAXIMUM LOAD</th>
<th>MINIMUM LOAD</th>
<th>PWM</th>
<th>CLASS 2</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DI-MILV-24V60W</td>
<td>120VAC</td>
<td>24V</td>
<td>60W</td>
<td>12W</td>
<td>Yes</td>
<td>Yes</td>
<td>6.8 in.</td>
<td>3.1 in.</td>
<td>2.9 in.</td>
</tr>
<tr>
<td>DI-MILV-24V96W</td>
<td>120VAC</td>
<td>24V</td>
<td>96W</td>
<td>20W</td>
<td>Yes</td>
<td>Yes</td>
<td>6.8 in.</td>
<td>3.1 in.</td>
<td>2.9 in.</td>
</tr>
</tbody>
</table>

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

RECOMMENDED CONTROLLERS

<table>
<thead>
<tr>
<th>SKU</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASAMBI® Controllers</td>
<td>The CASAMBI controllers will remotely control your lighting through the app - downloadable for IOS &amp; Android.</td>
</tr>
<tr>
<td>CBU-PWM4</td>
<td>CASAMBI PWM4 Single Color Dimming Controller</td>
</tr>
<tr>
<td>CBU-A2D</td>
<td>CASAMBI A2D 2 Channel 0-10V(DALI) Controller</td>
</tr>
<tr>
<td>CBU-ASR</td>
<td>CASAMBI ASR 0-10V Controller</td>
</tr>
<tr>
<td>CBU-TED</td>
<td>CASAMBI TED AC High Voltage Controller</td>
</tr>
<tr>
<td>SWITCHEX® Driver and Dimmer Switch</td>
<td>LED driver and dimmer switch combined in a single gang box.</td>
</tr>
<tr>
<td>DI-24V-SE-60W</td>
<td>SWITCHEX 24V Switch/Driver Combo - 60W</td>
</tr>
<tr>
<td>DI-24V-SE-100W</td>
<td>SWITCHEX 24V Switch/Driver Combo - 100W</td>
</tr>
</tbody>
</table>
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MECHANICAL DIAGRAMS

24V-M3D-LIN

24V-M3D-LIN in LINAIRE Flex Mini 3D Channel

24V-M3D-LIN in LINAIRE Flex Mini 3D Spine Channel

CONNECTIONS

26 in. White Bare Lead 262 AWG UL 2664 Wire with Strain Relief

26 in. White Bare Lead 262 AWG UL 2664 Wire with Strain Relief
LINAIRE® Flex Mini 3D Bend
Linear Light

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ACCESSORIES

- **DI-LIN-M3D-MTCH-39**: LINAIRE Flex, Mini 3D Bend, Mounting Channel, 39 in., Aluminum
- **DI-LIN-M3D-SPINE-39**: LINAIRE Flex, Mini 3D Bend, Mounting Spine Channel, 39 in., White
- **DI-LIN-M3D-MTCL-2**: LINAIRE Flex, Mini 3D Bend, Mounting Clips, 2 Pack, White
- **DI-LIN-M3D-DEC**: LINAIRE Flex, Mini 3D Bend, End Cap

DELIVERY OPTIONS

- **Factory + Field (Hybrid) (IP65)**
  Onsite modifications with factory connection. Additional accessories not included.

- **Factory Assembly (IP67)**
  Fastest installation. Factory made-to-order fixtures. Mounting not included.

- 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.
**LINAIRE® Flex Mini 3D Bend**

**Linear Light**
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**CERTIFICATIONS**

**Safety**
- UL Listed Field Cuttable.

**Environmental**
- IP65 - Field Connections and Terminations
- IP67 - Stock Spools and Factory Assembled Fixtures

**Performance**
- 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-cuttable.
   
   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.
6. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.). See Ambient Temperature ratings.
7. 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.
8. Do not modify product beyond instructions or warranty will be void.
9. Do not modify product beyond instructions or warranty will be void.
10. Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
11. Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
   
   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.

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**WARRANTY**

**Limited Warranty**

- 5 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.dioodle.com/limited-warranty/ within the Policies section. For warranty related questions please contact product support.

**Consumer's Acknowledgment**

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

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

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**Date**

**Project Notes**