

### LINAIRE® Flex 3D Bend Warm Dim Linear Light

A 3D-bendable architectural light that glows warmer as it dims, to replace the familiar glow of incandescent bulbs. Water resistant with precision light quality and full diffusion for a dotless look.

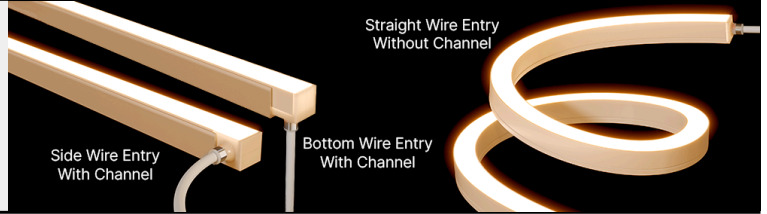
Date \_\_\_\_\_

Project Notes \_\_\_\_\_



#### FEATURES

- Bends in both directions (top and side) for maximum versatility
- Smooth dimming with a simple 2-wire installation
- Fully diffused lighting performance across the CCT range (3000K-1800K)
- 90+ CRI
- Factory assembly (IP67) and field-adjustable termination (IP65)
- Water resistant for indoor and outdoor use, UV stabilized
- 5 year limited warranty



#### ORDERING CODES

Order spools, and components for field assembly

#### HYBRID ORDERING CODE (OPTIONAL)

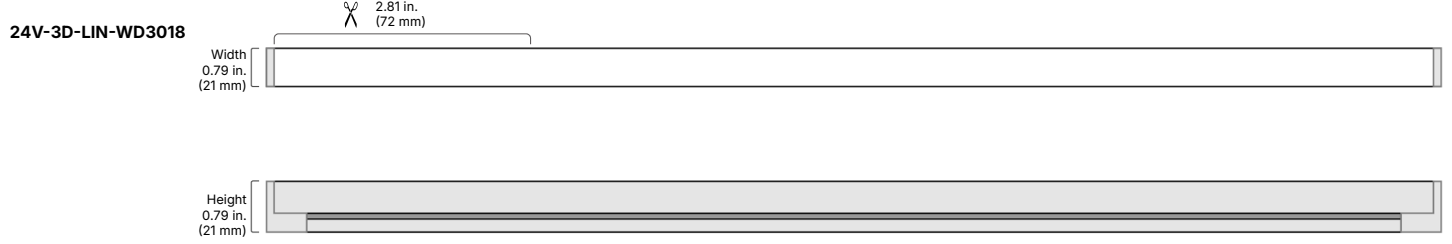
Soldered Wire Lead and Connection Options

DI	Voltage	Model	Series	CCT	Length	Wire Entry	Input Wire Color, Length, and Connection			Output Wire Color, Length, and Connection			
							Color & Type	Length	Connection	Color & Type	Length	Connection	
	24V (24V Volt)	3D	LIN	WD3018 (3000K-1800K)	016 (16 feet wet location)  CSTM_ (__in.) wet location	STE (Straight Wire Entry)  SDE* (Side Wire Entry)  BE* (Bottom Wire Entry)  *Alternate Wire Leads Available via Factory Finished Only	WH (White CL2 - Default)	36l (36 in. - Default)  __ in.	BW (Bare Wire - Default)  DC (Barrel)	*blank* (No Wire - Default)	WH (White CL2)	__ in.	BW (Bare Wire - Default)  DC (Barrel)

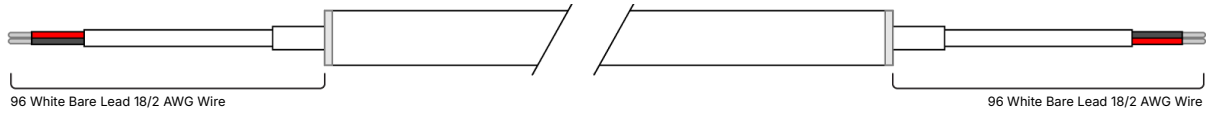
#### GENERAL SPECIFICATIONS (ALL MODELS)

Voltage	24VDC
Wattage	4.3W/ft.
3000K-1800K	202 Lm/ft.
Cut Points	2.81 in.
Dimmable	Yes
Max Run (ft.)	16.4 ft.
CRI	90+
Bend Radius	5 in.
Environment	Outdoor / Wet Location (IP65 / IP67)
Lead Wire A	96 in. White Bare Lead 18/2 AWG Wire
Lead Wire B	96 in. White Bare Lead 18/2 AWG Wire
LED Chips	36/ft.
Certification	UL Listed 2108
Limited Warranty	5 Year Limited Warranty

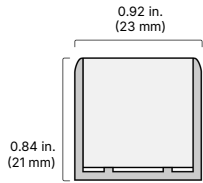
**MECHANICAL DIAGRAMS**



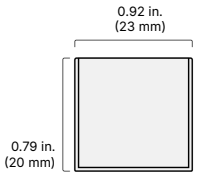
**CONNECTIONS**



24V-3D-LIN-WD3018 in LINAIRE Flex 3D Bend Channel



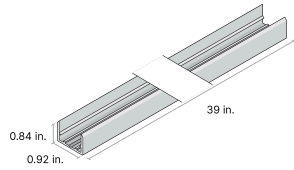
24V-3D-LIN-WD3018 in LINAIRE Flex 3D Bend Spine Channel



**ACCESSORIES**

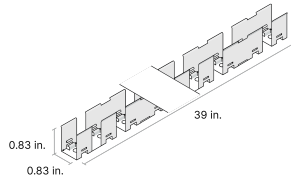
**DI-LIN-3D-MTCH-39**

LINAIRE Flex, 3D Bend, Mounting Channel, 39 in., Aluminum



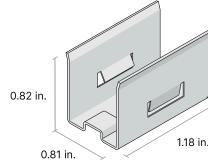
**DI-LIN-3D-SPINE-39**

LINAIRE Flex, 3D Bend, Mounting Spine Channel, 39 in., White



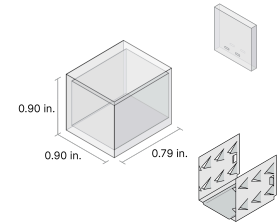
**DI-LIN-3D-MTCL-2**

LINAIRE Flex, 3D Bend, Mounting Clips, 2 Pack, White



**DI-LIN-3D-DEC**

LINAIRE Flex, 3D Bend, End Cap



**DELIVERY OPTIONS**

- **Field Assembly (IP65)**  
Fastest order fulfillment. Field connectors and accessories not included.
- **Factory + Field (Hybrid) (IP65)**  
Onsite modifications with factory connection. Additional accessories not included.
- **Factory Assembly (IP67)**  
Fastest Installation. Factory made-to-order fixtures.

### RECOMMENDED POWER SUPPLIES

For additional Power Supply information, refer to individual Specification Sheet data at diodeled.com.

- OMNIDRIVE X
- MAGNETIC DIMMABLE DRIVER
- 0-10V
- LUTRON
- OMNIDRIVE
- OMNIDRIVE BASICS
- SWITCHEX

#### OMNIDRIVE® X DIMMABLE DRIVER

Versatile driver for most high-performance dimming on ELV, TRIAC, and 0-10V systems.



For additional information visit:

<https://www.diodeled.com/omnidrive-reg-x-electronic-and-0-10v-dimmable-driver.html>

SKU	GENERAL SPECS	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE & MAXIMUM LOAD	MINIMUM LOAD
DI-ODX-24V120W-J	Dimmable 8.66 x 3.7 x 1.57 in.	100-277VAC, 50/60Hz	24V / 120W	None
DI-ODX-24V200W-J	Dimmable 10.24 x 4.13 x 1.77 in.	100-277VAC, 50/60Hz	24V / 200W	None
DI-ODX-24V30W	Class 2, Dimmable 6.1 x 2.1 x 0.8 in.	100-277VAC, 50/60Hz	24V / 30W	None
DI-ODX-24V30W-J	Class 2, Dimmable 6.5 x 3.7 x 1.57 in.	100-277VAC, 50/60Hz	24V / 30W	None
DI-ODX-24V60W	Class 2, Dimmable 7 x 2.4 x 1 in.	100-277VAC, 50/60Hz	24V / 60W	None
DI-ODX-24V60W-J	Class 2, Dimmable 7.4 x 3.7 x 1.57 in.	100-277VAC, 50/60Hz	24V / 60W	None
DI-ODX-24V96W	Class 2, Dimmable 9 x 2.7 x 1.7 in.	100-277VAC, 50/60Hz	24V / 96W	None
DI-ODX-24V96W-J	Class 2, Dimmable 8.66 x 3.7 x 1.57 in.	100-277VAC, 50/60Hz	24V / 96W	None
DI-AWNAUX-ODX-24V96W-LPS3R	Class 2, Dimmable 10.79 x 7.34 x 2.36 in.	100-277V	24V / 96W	None
DI-AWNAUX-ODX-24V60W-LPS3R	Class 2, Dimmable 10.79 x 7.34 x 2.36 in.	100-277V	24V / 60W	None
DI-AWNAUX-ODX-24V30W-LPS3R	Class 2, Dimmable 10.79 x 7.34 x 2.36 in.	100-277V	24V / 30W	None
DI-AWN-ODX-24V96W-J	Class 2, Dimmable 8.66 x 3.7 x 1.57 in.	100-277V	24V / 96W	None
DI-AWN-ODX-24V60W-J	Class 2, Dimmable 7.4 x 3.7 x 1.57 in.	100-277V	24V / 60W	None
DI-AWN-ODX-24V30W-J	Class 2, Dimmable 6.5 x 3.7 x 1.57 in.	100-277V	24V / 30W	None
DI-ODX-24V300W-J	Class 2, Dimmable 10.95 x 4.33 x 1.92 in.	100-277VAC	24V / 300	None
DI-ODX-24V192W-MT-J	Class 2, Dimmable 10.95 x 4.33 x 1.92 in.	100-277VAC	24V / 192	None
DI-ODX-24V288W-MT-J	Class 2, Dimmable 11.93 x 4.33 x 1.92 in.	100-277VAC	24V / 288	None

#### MAGNETIC DIMMABLE DRIVER

All-purpose dimmable driver for everyday tape light projects.



For additional information visit:

<https://www.diodeled.com/magnetic-dimmable-drivers.html>

SKU	GENERAL SPECS	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE & MAXIMUM LOAD	MINIMUM LOAD
DI-MLV-24V150W	Dimmable 9.9 x 3.1 x 2.8 in.	120VAC	24V / 120W	30W
DI-MLV-24V192W-MT	Class 2, Dimmable 9.8 x 3.2 x 4.2 in.	120VAC	24V / 154W	39W
DI-MLV-24V200W	Dimmable 9.8 x 3.2 x 4.2 in.	120VAC	24V / 160W	40W
DI-MLV-24V20W	Class 2, Dimmable 6.4 x 2.8 x 2.6 in.	120VAC	24V / 16W	4W
DI-MLV-24V300W	Dimmable 9.8 x 3.5 x 4.2 in.	120VAC	24V / 240W	60W
DI-MLV-24V40W	Class 2, Dimmable 6.4 x 2.8 x 2.6 in.	120VAC	24V / 32W	8W
DI-MLV-24V60W	Class 2, Dimmable 6.8 x 3.1 x 2.9 in.	120VAC	24V / 48W	12W
DI-MLV-24V96W	Class 2, Dimmable 6.8 x 3.1 x 2.9 in.	120VAC	24V / 77W	20W

### CERTIFICATIONS

#### Safety

- UL Listed 2108 Low Voltage Lighting System / Low Voltage Luminaire. UL 1598 / CSA 250.0-08, UL 8750. UL 879 / CAN/CSA-C22.2 no. 207-M89. Certified for United States and Canada. File # E469769.
- UL Listed Field Cuttable.
- Approved for storage areas of clothes closets per NEC 410.16.A.1,3 and 410.16.C.1,3,5

#### Environment

- IP65 - Field Connections and Terminations
- IP67 - Stock Spools and Factory Assembled Fixtures
- Ambient Temperature: -4 ~ 122°F (-20 ~ 50°C)
- Operating Temperature: -4 ~ 176°F (-20 ~ 80°C)

#### 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.
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 excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings
8. 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.
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.
12. 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.

### 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.diodeled.com/limited-warranty/](http://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.

- Lumen value measured in accordance to IES LM-79-08. 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.