



diodeled®

LED LIGHTING SOLUTIONS



FACTORY BUILT SOLUTIONS MADE YOUR WAY & READY TO INSTALL



Factory Assembly in Reno, Nevada

For over 15 years, Diode LED has led the industry with factory-assembled products and solutions. From small projects to nationwide rollouts, our substantial Reno, NV Operations Center sets the standard for exceeding expectations.

Innovation and efficiency are at the core of what we do. Our teams collaborate closely with you to tailor solutions for your project, leveraging attention to detail and streamlining production to meet your timelines.

Our Quotes Team is Standing By

Our Quotes Team can provide budgetary or detailed quotes, product advice, layouts, markups, and more.

Call: 877.817.6028

Email: quotes@diodeled.com

Save Time. Save Labor.

Our factory in Reno, NV offers quick and consistent production lead times, enabling you to select specific products that are factory-finished to precise specifications.

Factory Assembly Made Your Way



Factory Assembly

Fastest installation.

Recommended for large projects with consistent or locked measurements. Factory-made-to-order fixtures.



Hybrid | Factory & Field

On-site modifications with factory connection.

Recommended for medium to large projects when final measurements are prone to change. Additional accessories purchased separately.



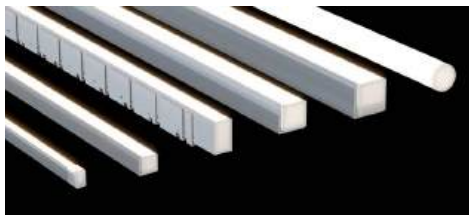
Field Assembly

Fastest order fulfillment.

Recommended for small applications and custom projects. Field connectors and accessories purchased separately.

OUR LATEST PRODUCTS

NEW RELEASES & EXPANSIONS



LINAIRE® Flex

LINAIRE® Flex is a complete line of diffused, flexible, all-location linear light with flawless performance.

Page 52



OBD™ Flex Optics

Flexible linear lighting with on-board optics for grazing, wall washing, and architectural accents. Suitable for wet locations (IP65).

Page 70



A-Series Channels

Diode LED's patented solution for optimal light diffusion and seamless integration into any design. Made in the USA.

Page 40



BROADWAVE®

BROADWAVE® delivers RGBW full-color illumination up to 4 stories and daisy chains up to 30 fixtures for small to medium-sized lighting applications.

Page 80



CCT Additions

Our expansive tape light portfolio, already the most complete in the industry, now spans from 2000K to 6300K – with nearly everything in between.

Additions apply to VALENT® X (Page 10), VALENT® (Page 12), VALENT® Wet Location (Page 13), BLAZE™ (Page 18), and BLAZE™ Wet Location (Page 19).



HOW TO CONFIGURE YOUR PROJECT MADE EASY

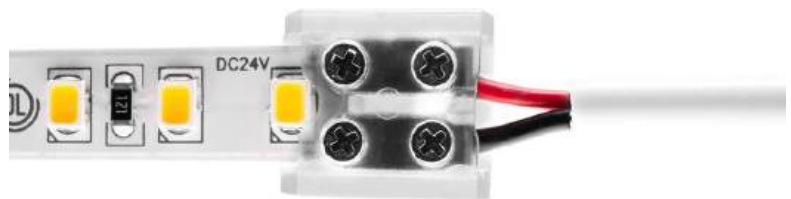
STEP 1: FIND YOUR LIGHT

Discover the right light for your application.



STEP 2: MAKE YOUR CONNECTIONS

Make solid connections with Tape Light Terminal Block Connectors.



STEP 3: CUSTOMIZE YOUR FIXTURE

Select an optional channel profile to add a professional finish to your installation.



STEP 4: POWER & CONTROL

Power and control your light with the LED driver and control system of your choice.



TABLE OF CONTENTS

Note: New products are shown with a “•”.
Visit DiodeLED.com for full product offerings.

INTRODUCTION					
How to Configure with Diode LED	2	• A3	40	FIXTURES & DISPLAY LIGHTING	
Performance Tiers	4	S1	41	GRAZE X™ Fixture	68
		• S2	41	• OBD™ Flex Optics	70
		• S45	41	• COVE	72
LED TAPE LIGHTS		SLIM	42	SABER™	74
LED Tape Light Comparison Chart	8	SQUARE	42	SPOTMOD® PUCK	76
VALENT® X	10	45°	42	TRIAN™ 2	76
VALENT® X Wet Location	11	RECESSED	43	SPOTMOD® 2 Recessed Gimbal	76
VALENT®	12	SLIM RECESSED	43	Light Guide Panels	78
VALENT® Wet Location	13	45° DECO	43	• BROADWAVE®	80
STREAMLITE™	14	16MM	44		
STREAMLITE™ Wet Location	15	SCONCE	44	SWITCHES & CONTROLS	
BLAZE™ X	16	GRAZER	44	DMX	86
BLAZE™ X Wet Location	17	20mm SQUARE	45	CASAMBI	87
BLAZE™	18	20mm ROUNDED	45	TOUCHDIAL®	87
BLAZE™ Wet Location	19	WAVEFORM	45	Inline Controls	88
INFINILINE®	20	90° SIDEVIEW	46	Control Systems	89
		REFLECTOR	46		
DYNAMIC LIGHTING		TAPEGUARD®	46	LED DRIVERS	
VALENT® Warm Dim	22	WALL ROD	47	Getting Started	92
VALENT® Warm Dim Wet Location	23	CLOSET ROD	47	Compatibility Guide	93
• STREAMLITE™ Warm Dim	24	ART ROD	47	SWITCHEX®	94
STREAMLITE™ Tunable White	25	MUD-IN 1 IN.	48	OMNIDRIVE® X	96
• VALENT® Tunable White	26	MUD-IN 2 IN.	48	OMNIDRIVE® BASICS	97
DAZZLE® RGB	27			Magnetic Low Voltage	98
• STREAMLITE™ RGBW	28			MIKRODIM™	99
• STREAMLITE™ RGBW Wet Location	29	FLEXIBLE DIFFUSED LED LIGHTS		Constant Voltage	100
VALENT® RGBW	30	LINAIRE® FLEX Comparison Chart	52	Plug-in Adapter	101
VALENT® RGBW Wet Location	31	• LINAIRE® FLEX	54		
Tape Light Connectors	32	• LINAIRE® FLEX 3D Bend	56	ADDITIONAL RESOURCES	
		• LINAIRE® FLEX Tube 360	58	SKU Index	104
CHANNEL PROFILES		• LINAIRE® FLEX Micro	60	Words to Know: Glossary of Terms	106
Getting Started	38	AlphaTECH® X	62	Applications Chart	107
Compatibility Guide	39	NEON BLAZE™	64	Basic Wiring Diagrams	108
• A1	40			Voltage Drop Chart	109
• A2	40				

PERFORMANCE TIERS

FINDING THE RIGHT LIGHT...

High-Performance: VALENT® X

Diode LED's performance products focus on the highest light quality and smoothest dimming when details matter most.

Voltage	24V
CRI	95+
LED Spacing	Tight-Pitch
Color Rendering	Highest
Warranty	12 Year Limited Warranty
Lumens/ft.	100+, 200+, 300+, 500+, 800+



12mm

RECOMMENDED ACCESSORIES

- OMNIDRIVE® X Dimmable Driver
- A2 Channel Profile
- 12mm Terminal Block Connector

Advantage: VALENT®

Optimized for superior light quality and durability to meet specific lighting needs efficiently.

Voltage	24V
CRI	90+
LED Spacing	Tight-Pitch
Color Rendering	High
Warranty	7 Year Limited Warranty
Lumens/ft.	100+, 200+, 300+, 500+



12mm

RECOMMENDED ACCESSORIES

- OMNIDRIVE® X Dimmable Driver
- SLIM Channel Profile
- 12mm Terminal Block Connector

Everyday Dotless: STREAMLITE™

Fully-diffused and uniform illumination with modern aesthetics and versatility.

Voltage	24V
CRI	90+
LED Spacing	Dotless
Color Rendering	Standard
Warranty	7 Year Limited Warranty
Lumens/ft.	250+, 400+



8mm

RECOMMENDED ACCESSORIES

- OMNIDRIVE® X Dimmable Driver
- S1 Channel Profile
- 8mm Terminal Block Connector

Everyday: BLAZE™

Budget-forward with dependable quality and easy installation.

Voltage	12V/24V
CRI	90+
LED Spacing	Standard-Pitch
Color Rendering	Standard
Warranty	7 Year Limited Warranty
Lumens/ft.	100+, 200+, 300+



8mm

RECOMMENDED ACCESSORIES

- Magnetic Dimmable Driver
- S2 Channel Profile
- 8mm Terminal Block Connector

...FOR THE RIGHT APPLICATION

Applications:

- Luxury
- Hospitality
- Architectural



Applications:

- High-End Residential
- Commercial
- Accent



Applications:

- Residential
- Commercial
- Millwork



Applications:

- Task
- Display
- General Illumination







LED TAPE LIGHT

LED TAPE LIGHT

COMPARISON CHART

										
TAPE LIGHT	VALENT® X	VALENT® X Wet Location	VALENT®	VALENT® Wet Location	STREAMLITE™	STREAMLITE™ Wet Location	BLAZE™ X	BLAZE™ X Wet Location	BLAZE™	BLAZE™ Wet Location
	PAGE 10	PAGE 11	PAGE 12	PAGE 13	PAGE 14	PAGE 15	PAGE 16	PAGE 17	PAGE 18	PAGE 19
CCT	20K	–	20K	–	–	–	20K	–	20K	–
	22K	–	22K	–	–	–	–	–	22K	22K
	24K	24K	24K	24K	24K	–	24K	24K	24K	–
	27K	27K	27K	27K	27K	27K	27K	27K	27K	27K
	30K	30K	30K	30K	30K	30K	30K	30K	30K	30K
	35K	35K	35K	35K	35K	35K	35K	35K	35K	–
	40K	40K	40K	40K	40K	40K	40K	–	40K	40K
	50K	–	50K	50K	50K	50K	50K	–	50K	50K
	63K	–	63K	–	–	–	63K	–	63K	–
Price	\$\$\$	\$\$\$	\$\$	\$\$	\$	\$	\$\$\$	\$\$\$	\$	\$
Voltage	24V	24V	24V	24V	24V	24V	12V/24V	12V/24V	12V/24V	12V/24V
CRI/R9	95+/90+	95+/90+	90+/90+	90+/-	90+/-	90+/-	95+/90+	95+/90+	90+/90+	90+/90+
Max Run	19 ft.-80 ft.	30 ft.	29 ft.-55 ft.	29 ft.-55 ft.	16.4 ft.-20 ft.	16.4 ft.	20 ft.-70 ft.	20 ft.-70 ft.	20 ft.-55 ft.	20 ft.-55 ft.
MR Class 2	14 ft.-80 ft.	25 ft.	25 ft.-55 ft.	25 ft.-55 ft.	16.4 ft.-20 ft.	16.4 ft.	13 ft.-64 ft.	15 ft.-70 ft.	20 ft.-55 ft.	20 ft.-55 ft.
Field Cut	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cut Points	1.32 in.	1.32 in.	1.32 in.	1.32 in.	1.8 in.	1.8 in.	1 in./4 in.	1 in./4 in.	1 in./4 in.	1 in./4 in.
Width	12mm	16mm	12mm	16mm	8mm	14mm	8mm	10mm	8mm	10mm
IP Rating	IP20	IP65	IP20	IP65	IP20	IP65	IP20	IP65	IP20	IP65
Warranty	12 Year	12 Year	7 Year	7 Year	7 Year	7 Year	12 Year	12 Year	7 Year	7 Year
Lumens	100	1W/ft.	–	–	–	–	1.54W/ft.	1.5W/ft.	1.46W/ft.	1.46W/ft.
	200	1.9W/ft.	–	1.72W/ft.	1.72W/ft.	–	3.1W/ft.	3.1W/ft.	2.93W/ft.	2.93W/ft.
	300	2.8W/ft.	–	2.55W/ft.	–	3.3W/ft.	3.3W/ft.	4.3W/ft.	4.5W/ft.	4.5W/ft.
	400	–	–	–	–	5W/ft.	5W/ft.	–	–	–
	500	4.6W/ft.	4.6W/ft.	4.28W/ft.	4.28W/ft.	–	–	–	–	–
	800	7.2W/ft.	–	–	–	–	–	–	–	–
	Other	–	–	–	–	–	–	–	–	–
Recommended Drivers	OMNIDRIVE® X VLM Series SWITCHEX®	OMNIDRIVE® X VLM Series SWITCHEX®	OMNIDRIVE® X VLM Series SWITCHEX®	OMNIDRIVE® X VLM Series SWITCHEX®	OMNIDRIVE® X VLM Series SWITCHEX®	OMNIDRIVE® X VLM Series SWITCHEX®	OMNIDRIVE® X OMNIDRIVE® BASICS SWITCHEX®	OMNIDRIVE® X OMNIDRIVE® BASICS SWITCHEX®	OMNIDRIVE® X OMNIDRIVE® BASICS SWITCHEX®	OMNIDRIVE® X OMNIDRIVE® BASICS SWITCHEX®

VALENT® X

HIGH-DENSITY LED TAPE LIGHT

Precision-engineered, high-density tape light for demanding applications when light quality matters most. Up to 900+ lumens per foot with 95+ CRI/90+ R9.



FEATURES & BENEFITS

- Dense LED placement for uninterrupted linear light
- 95+ CRI/90+ R9
- Highest lumen output option

QUICK SPECS

Voltage	24VDC
Width	12mm
CRI	95+
Warranty	12 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location (IP20)
Certification	UL Listed 2108
Connector	12mm Terminal Block

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	LUMEN SERIES	CCT	LENGTH
DI	24V (24VDC)	VLX	1 (100 Lumen Range)	20 (2000K) 35 (3500K)	016 (16.4 ft.)
			2 (200 Lumen Range)	22 (2200K) 40 (4000K)	100 (100 ft.)
			3 (300 Lumen Range)	24 (2400K) 50 (5000K)	
			5 (500 Lumen Range)	27 (2700K) 63 (6300K)	
			8 (800 Lumen Range)	30 (3000K)	

EXAMPLE: 24V VALENT® X 800 LUMENS 5000K 16.4 FT. SPOOL = DI-24V-VLX8-50-016

24VDC					
	100 LUMEN RANGE VLX1 Max. Run: 80 ft. Cut Points: 1.32 in. Wattage: 1.0W/ft.	200 LUMEN RANGE VLX2 Max. Run: 53 ft. Cut Points: 1.32 in. Wattage: 1.9W/ft.	300 LUMEN RANGE VLX3 Max. Run: 41 ft. Cut Points: 1.32 in. Wattage: 2.8W/ft.	500 LUMEN RANGE VLX5 Max. Run: 30 ft. Cut Points: 1.32 in. Wattage: 4.6W/ft.	800 LUMEN RANGE VLX8 Max. Run: 19 ft. Cut Points: 1.32 in. Wattage: 7.2W/ft.
CCT	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.
2000K	104	194	299	-	-
2200K	104	194	299	-	-
2400K	104	194	299	469	730
2700K	101	207	311	495	782
3000K	106	218	323	557	853
3500K	108	218	328	586	906
4000K	112	228	342	534	806
5000K	116	242	365	592	840
6300K	112	244	363	578	924

VALENT® X WET LOCATION HIGH-DENSITY LED TAPE LIGHT

Precision-engineered, high-density tape light for demanding applications when light quality matters most. Up to 500+ lumens per foot with 95+ CRI/90+ R9. Suitable for wet locations (IP65).



24
VDC

95+
CRI

TITLE
24

IP65

FEATURES & BENEFITS

- Dense LED placement for uninterrupted linear light
- 95+ CRI/90+ R9
- Premium wet location illumination

QUICK SPECS

Voltage	24VDC
Width	14mm
CRI	95+
Warranty	12 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed 2108

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	CCT	LENGTH
DI	24V (24VDC)	VLX5	24 (2400K)	W016 (16.4 ft.)
			27 (2700K)	W100 (100 ft.)
			30 (3000K)	
			35 (3500K)	
			40 (4000K)	

EXAMPLE: 24V VALENT® X WET LOCATION 500 LUMENS 2700K 16.4 FT. SPOOL = DI-24V-VLX5-27-W016

24VDC		
500 LUMEN RANGE		
VLX5		
Max. Run: 30 ft.	Cut Points: 1.32 in.	Wattage: 4.6W/ft.
CCT	Lumens/ft.	
2400K	466	
2700K	437	
3000K	469	
3500K	492	
4000k	480	

VALENT®

HIGH-DENSITY LED TAPE LIGHT

Versatile, high-density tape light for most applications. Full diffusion and dotless light when paired with channel and lens options.



FEATURES & BENEFITS

- Dense LED placement for uninterrupted linear light
- 100/200/300/500 lumen outputs
- 90+ CRI

QUICK SPECS

Voltage	24VDC
Width	12mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location (IP20)
Certification	UL Listed 2108
Connector	12mm Terminal Block

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	LUMEN SERIES	CCT	LENGTH
DI	24V (24VDC)	VL	1 (100 Lumen Range)	20 (2000K)	35 (16.4 ft.)
			2 (200 Lumen Range)	22 (2200K)	40 (100 ft.)
			3 (300 Lumen Range)	24 (2400K)	50 (100 ft.)
			5 (500 Lumen Range)	27 (2700K)	63 (100 ft.)
				30 (3000K)	

EXAMPLE: 24V VALENT® 200 LUMENS 2700K 16.4 FT. SPOOL = DI-24V-VL2-27-016

24VDC				
	100 LUMEN RANGE VL1 Max. Run: 75 ft. Cut Points: 1.32 in. Wattage: 0.9W/ft.	200 LUMEN RANGE VL2 Max. Run: 55 ft. Cut Points: 1.32 in. Wattage: 1.72W/ft.	300 LUMEN RANGE VL3 Max. Run: 42 ft. Cut Points: 1.32 in. Wattage: 2.55W/ft.	500 LUMEN RANGE VL5 Max. Run: 29 ft. Cut Points: 1.32 in. Wattage: 4.28W/ft.
CCT	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.
2000K	92	191	285	—
2200K	96	195	292	—
2400K	103	206	306	—
2700K	115	221	325	539
3000K	107	222	329	504
3500K	110	206	298	506
4000K	108	209	313	512
5000K	103	205	301	505
6300K	109	208	305	512

VALENT® WET LOCATION HIGH-DENSITY LED TAPE LIGHT

Versatile, high-density tape light for most applications. Full diffusion and dotless light when paired with channel and lens options. Suitable for wet locations (IP65).



24
VDC

90+
CRI

TITLE
24


IP65

FEATURES & BENEFITS

- Dense LED placement for uninterrupted linear light
- 200/500 lumen outputs
- 90+ CRI

QUICK SPECS

Voltage	24VDC
Width	14mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed 2108
Connector	Solder Only

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	CCT	LENGTH
DI	24V (24VDC)	VL2	24 (2400K)	50 (16.4 ft.)
		VL5	27 (2700K)	W100 (100 ft.)
			30 (3000K)	
			35 (3500K)	
			40 (4000K)	

EXAMPLE: 24V VALENT® WET LOCATION 200 LUMENS 2400K 16.4 FT. SPOOL = DI-24V-VL2-24-W016

24VDC		
200 LUMEN RANGE VL2-W Max. Run: 55 ft. Cut Points: 1.32 in. Wattage: 1.72W/ft.		500 LUMEN RANGE VL5-W Max. Run: 29 ft. Cut Points: 1.32 in. Wattage: 4.28W/ft.
CCT	Lumens/ft.	Lumens/ft.
2400K	197	506
2700K	208	511
3000K	210	485
3500K	196	472
4000K	208	504
5000K	212	508

STREAMLITE™

DIFFUSED LINEAR LIGHT

Dotless linear lighting without any visible LEDs. Ideal for tight spaces and simple, impactful installations.



FEATURES & BENEFITS

- Uniform, diffused light appears dotless even without a diffusing lens
- 180° beam angle for even light distribution
- Compatible with channels and other popular accessories

QUICK SPECS

Voltage	24VDC
Width	8mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location (IP20)
Certification	UL Listed 2108
Connector	8mm Terminal Block

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	CCT	LENGTH
DI	24V (24VDC)	STMLT	24 (2400K)	35 (16.4 ft.)
		STMLT4	27 (2700K)	40 (100 ft.)
			30 (3000K)	50 (5000K)

EXAMPLE: 24V STREAMLITE™ 2700K 16.4 FT. SPOOL = DI-24V-STMLT-27-016

24VDC		
	250 LUMEN RANGE STMLT Max. Run: 20 ft. Cut Points: 1.8 in. Wattage: 3.3W/ft.	400 LUMEN RANGE STMLT4 Max. Run: 16.4 ft. Cut Points: 1.8 in. Wattage: 5.0W/ft.
CCT	Lumens/ft.	Lumens/ft.
2400K	250	-
2700K	288	402
3000K	292	409
3500K	285	421
4000K	323	466
5000K	330	-

STREAMLITE™ WET LOCATION DIFFUSED LINEAR LIGHT

Dotless linear lighting without any visible LEDs. Ideal for tight spaces and simple, impactful installations. Suitable for wet locations (IP65).



FEATURES & BENEFITS

- Uniform, diffused light appears dotless even without a diffusing lens
- 180° beam angle for even light distribution
- Compatible with channels and other popular accessories

QUICK SPECS

Voltage	24VDC
Width	10mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed 2108
Connector	Solder Only

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	CCT	LENGTH
DI	24V (24VDC)	STMLT	27 (2700K)	40 (16.4 ft.)
		STMLT4	30 (3000K)	
			35 (3500K)	

EXAMPLE: 24V STREAMLITE™ WET LOCATION 2700K 16.4 FT. SPOOL = DI-24V-STMLT-27-W016

24VDC		
300 LUMEN RANGE STMLT-W Max. Run: 20 ft. Cut Points: 1.8 in. Wattage: 3.3W/ft.		400 LUMEN RANGE STMLT4-W Max. Run: 16.4 ft. Cut Points: 1.8 in. Wattage: 5.0W/ft.
CCT	Lumens/ft.	Lumens/ft.
2700K	221	376
3000K	256	378
3500K	275	400
4000K	271	440

BLAZE™ X LED TAPE LIGHT

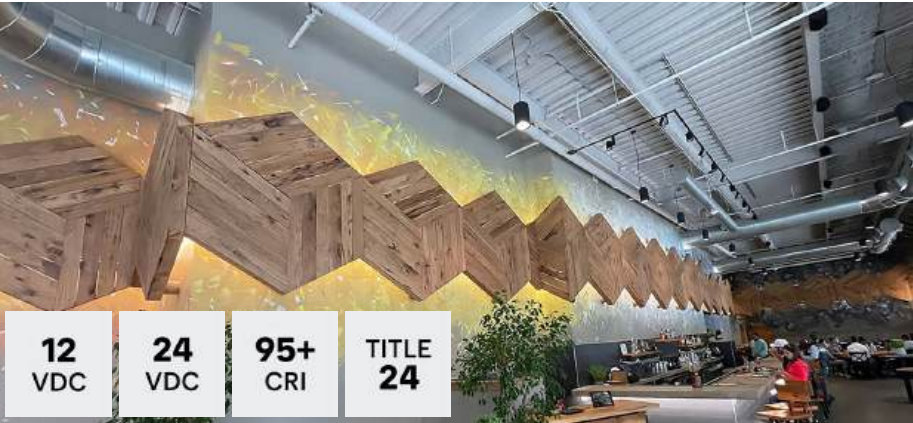
Our classic tape light with precision performance. Up to 350+ lumens per foot with 95+ CRI/90+ R9.



BLAZE™ X 100



BLAZE™ X 200/300



FEATURES & BENEFITS

- Heavy-duty copper PCB for long-lasting performance
- 100/200/300 lumen outputs
- 95+ CRI/90+ R9

QUICK SPECS

Voltage	12VDC & 24VDC
Width	8mm
CRI	95+
Warranty	12 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location (IP20)
Certification	UL Listed 2108
Connector	8mm Terminal Block

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	—	VOLTAGE	—	MODEL	LUMEN SERIES	—	CCT	—	LENGTH
DI	—	12V (12VDC)	—	BLX	1 (100 Lumen Range)	—	20 (2000K)	35 (3500K)	— 016 (16.4 ft.)
		24V (24VDC)			2 (200 Lumen Range)		24 (2400K)	42 (4200K)	100 (100 ft.)
					3 (300 Lumen Range)		27 (2700K)	50 (5000K)	400 (400 ft.)
							30 (3000K)	63 (6300K)	

EXAMPLE: 24V BLAZE™ X 300 LUMENS 5000K 16.4 FT. SPOOL = DI-24V-BLX3-50-016

	12VDC			24VDC		
	100 LUMEN RANGE	200 LUMEN RANGE	300 LUMEN RANGE	100 LUMEN RANGE	200 LUMEN RANGE	300 LUMEN RANGE
	BLX1	BLX2	BLX3	BLX1	BLX2	BLX3
	Max. Run: 37 ft.	Max. Run: 22 ft.	Max. Run: 20 ft.	Max. Run: 70 ft.	Max. Run: 45 ft.	Max. Run: 40 ft.
	Cut Points: 2 in.	Cut Points: 1 in.	Cut Points: 1 in.	Cut Points: 4 in.	Cut Points: 2 in.	Cut Points: 2 in.
	Wattage: 1.54W/ft.	Wattage: 3.1W/ft.	Wattage: 4.3W/ft.	Wattage: 1.54W/ft.	Wattage: 3.1W/ft.	Wattage: 4.3W/ft.
CCT	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.
2000K	–	–	–	92	181	261
2400K	110	225	318	114	224	322
2700K	109	221	305	112	224	318
3000K	122	247	339	126	253	360
3500K	126	241	352	131	254	357
4200K	127	254	349	133	264	365
5000K	128	262	358	135	264	378
6300K	121	262	380	123	276	393

BLAZE™ X WET LOCATION LED TAPE LIGHT

Our classic tape light with precision performance. Up to 300+ lumens per foot with 95+ CRI/90+ R9. Suitable for wet location (IP65).



BLAZE™ X 100 Wet Location



BLAZE™ X 200/300 Wet Location



12
VDC

24
VDC

95+
CRI

TITLE
24

IP65

FEATURES & BENEFITS

- Heavy-duty copper PCB for long-lasting performance
- 100/200/300 lumen outputs
- 95+ CRI/90+ R9

QUICK SPECS

Voltage	12VDC & 24VDC
Width	10mm
CRI	95+
Warranty	12 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed 2108
Connector	Solder Only

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	LUMEN SERIES	CCT	LENGTH
DI	12V (12VDC)	BLX	1 (100 Lumen Range)	24 (2400K)	W016 (16.4 ft.)
	24V (24VDC)		2 (200 Lumen Range)	27 (2700K)	W100 (100 ft.)
			3 (300 Lumen Range)	30 (3000K)	
				35 (3500K)	

EXAMPLE: 24V BLAZE™ X WET LOCATION 300 LUMENS 3000K 16.4 FT. SPOOL = DI-24V-BLX3-30-W016

12VDC				24VDC		
				100 LUMEN RANGE	200 LUMEN RANGE	300 LUMEN RANGE
				BLX1 W	BLX2 W	BLX3 W
				Max. Run: 37 ft. Cut Points: 2 in. Wattage: 1.5W/ft.	Max. Run: 22 ft. Cut Points: 1 in. Wattage: 3.1W/ft.	Max. Run: 20 ft. Cut Points: 1 in. Wattage: 4.3W/ft.
CCT	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.
2400K	99	203	290	103	204	285
2700K	101	199	277	108	212	304
3000K	110	211	310	117	226	321
3500K	109	217	308	116	235	320

BLAZE™

EVERYDAY LED TAPE LIGHT

Value and dependability for everyday projects. Our most popular tape light is available in a wide range of color temperatures and outputs.



BLAZE™ 100



BLAZE™ 200/300



FEATURES & BENEFITS

- Everyday format tape light
- 100/200/300 lumen outputs
- 90+ CRI

QUICK SPECS

Voltage	12VDC & 24VDC
Width	8mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location (IP20)
Certification	UL Listed 2108
Connector	8mm Terminal Block

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	LUMEN SERIES	CCT	LENGTH
DI	12V (12VDC)	BLBSC	1 (100 Lumen Range)	20 (2000K)	016 (16.4 ft.)
	24V (24VDC)		2 (200 Lumen Range)	22 (2200K)	100 (100 ft.)
			3 (300 Lumen Range)	24 (2400K)	400 (400 ft.)
				27 (2700K)	63 (6300K)
				30 (3000K)	
		BLC	(Blank)	RD (Red)	GN (Green)
					016 (16.4 ft.)
					BL (Blue)
					100 (100 ft.)

EXAMPLE: 24V BLAZE™ 100 LUMENS 5000K 100 FT. SPOOL = DI-24V-BLBSC1-50-100

12VDC				24VDC			
100 LUMEN RANGE		200 LUMEN RANGE		100 LUMEN RANGE		200 LUMEN RANGE	
BLBSC1		BLBSC2		BLBSC1		BLBSC2	
Max. Run: 27 ft.		Max. Run: 20 ft.		Max. Run: 55 ft.		Max. Run: 40 ft.	
Cut Points: 2 in.		Cut Points: 1 in.		Cut Points: 4 in.		Cut Points: 2 in.	
Wattage: 1.46W/ft.		Wattage: 2.93W/ft.		Wattage: 1.46W/ft.		Wattage: 2.93W/ft.	
300 LUMEN RANGE		COLORS		300 LUMEN RANGE		COLORS	
BLBSC3		BLC		BLBSC3		BLC	
Max. Run: 22 ft.		Max. Run: 20 ft.		Max. Run: 22 ft.		Max. Run: 40 ft.	
Cut Points: 2 in.		Cut Points: 1 in.		Cut Points: 2 in.		Cut Points: 2 in.	
Wattage: 4.5W/ft.		Wattage: 3.0W/ft.		Wattage: 4.5W/ft.		Wattage: 3.0W/ft.	
CCT	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.
2000K	-	-	-	90	191	290	-
2200K	-	-	-	94	195	294	-
2400K	-	-	-	105	206	298	-
2700K	117	212	-	113	233	338	-
3000K	121	221	-	117	237	344	-
3500K	117	236	-	126	249	329	-
4000K	129	249	-	131	260	341	-
5000K	130	256	-	132	261	338	-
6300K	-	272	-	-	276	341	-
Red	-	-	95	-	-	-	98
Green	-	-	300	-	-	-	310
Blue	-	-	75	-	-	-	71

BLAZE™ WET LOCATION EVERYDAY LED TAPE LIGHT

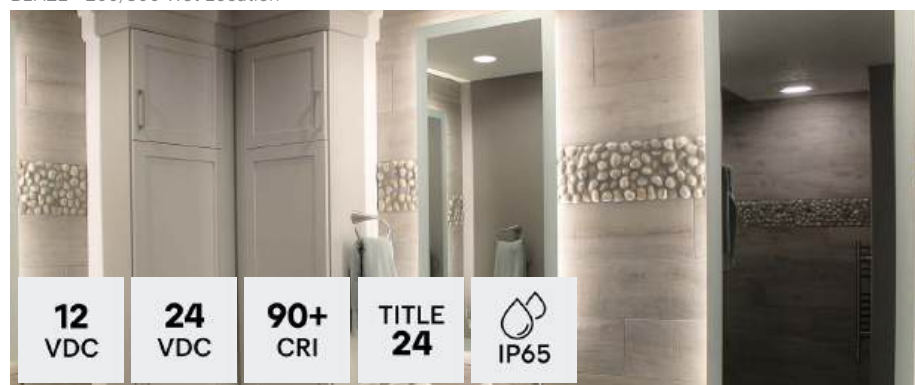
Value and dependability for everyday projects. Our most popular tape light is available in a wide range of color temperatures and outputs. Suitable for wet locations (IP65).



BLAZE™ 100 Wet Location



BLAZE™ 200/300 Wet Location



FEATURES & BENEFITS

- Everyday format tape light
- 100/200/300 lumen outputs
- 90+ CRI

QUICK SPECS

Voltage	12VDC & 24VDC
Width	10mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed 2108
Connector	Solder Only

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	LUMEN SERIES	CCT	LENGTH
DI	12V (12VDC)	BLBSC	1 (100 Lumen Range)	22 (2200K)	W016 (16.4 ft.)
	24V (24VDC)		2 (200 Lumen Range)	27 (2700K)	W100 (100 ft.)
			3 (300 Lumen Range)	30 (3000K)	
				40 (4000K)	
				50 (5000K)	

EXAMPLE: 24V BLAZE™ WET LOCATION 100 LUMENS 5000K 100 FT. SPOOL = DI-24V-BLBSC1-50-W100

12VDC			24VDC		
	100 LUMEN RANGE	200 LUMEN RANGE	100 LUMEN RANGE	200 LUMEN RANGE	300 LUMEN RANGE
	BLBSC1-W	BLBSC2-W	BLBSC1-W	BLBSC2-W	BLBSC3-W
	Max. Run: 27 ft. Cut Points: 2 in. Wattage: 1.46W/ft.	Max. Run: 20 ft. Cut Points: 1 in. Wattage: 2.93W/ft.	Max. Run: 55 ft. Cut Points: 4 in. Wattage: 1.46W/ft.	Max. Run: 40 ft. Cut Points: 4 in. Wattage: 2.93W/ft.	Max. Run: 22 ft. Cut Points: 2 in. Wattage: 4.5W/ft.
CCT	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.
2200K	—	—	98	196	287
2700K	107	206	106	209	331
3000K	116	221	114	226	337
4000K	—	—	110	220	324
5000K	—	—	114	224	329

INFINILINE®

DRIVERLESS LINEAR LIGHTING

120VAC linear lighting, no driver required. Ideal for long runs, such as commercial coves. Up to 164 linear feet on a single circuit. Factory assembled to your lengths for UL compliance as a hardwired or plug-in fixture.



FEATURES & BENEFITS

- Driverless LED light
- Plug-in or hardwired connections
- Deep cold resistant

QUICK SPECS

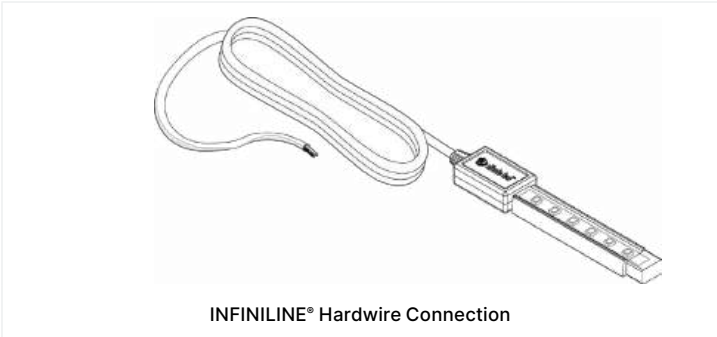
Voltage	120VAC
Width	16mm
CRI	90+
Warranty	5 Year Limited Warranty
Dimming	Dimmable (Hardwired Only)
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed 2388 (Plug-in), UL Listed 1598, ETL Certified Canada (Hardwired)
Connection	Hardwired or Plug-in

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

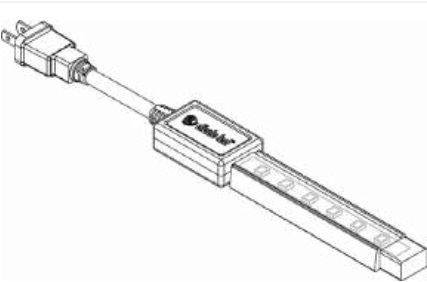
DI	VOLTAGE	MODEL	CCT	CONNECTION	LENGTH
DI	120V (120VAC)	INFBSC3	27 (2700K)	H (Hardwired)	164 (164 ft.)
			30 (3000K)	N/A (Plug-in)	Custom (Contact Quotes)
			35 (3500K)		
			42 (4200K)		

EXAMPLE: 120V INFINILINE® 3500K PLUG-IN 20 FT. CUSTOM CUT = DI-120V-INFBSC3-35-H-20

120VAC	
INFBSC3	
Max. Run: 164 ft.	
Wattage: 3.7W/ft.	
CCT	Lumens/ft.
2700K	289
3000K	300
3500K	308
4200K	351



INFINILINE® Hardwire Connection



INFINILINE® Plug-in Connection



VALENT® WARM DIM LED TAPE LIGHT

High-density tape light that glows warmer as it dims. Convincingly replicate the warm, familiar glow of incandescent light with the simplicity of a two-wire LED tape light installation.



FEATURES & BENEFITS

- 2700K-1800K, 3000K-2000K, and 3000K-1800K dimming ranges
- 150+ and 400+ lumens per foot
- Compatible with 12mm Terminal Block Connectors

QUICK SPECS

Voltage	24VDC
Width	12mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location (IP20)
Certification	UL Listed 2108
Connector	12mm Terminal Block

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	CCT	LENGTH
DI	24V (24VDC)	VL1	WD2718 (2700K-1800K)	016 (16.4 ft.)
		VL4	WD3020 (3000K-2000K)	100 (100 ft.)
			WD3018 (3000K-1800K)	

EXAMPLE: 24V VALENT® WARM DIM 100 LUMENS 2700K-1800K 16.4 FT. SPOOL = DI-24V-VL1-WD2718-016

24VDC						
100 LUMEN RANGE VL1			400 LUMEN RANGE VL4			
Max. Run: 62 ft. Cut Points: 3.28 in. Wattage: 1.54W/ft.			Max. Run: 21 ft. Cut Points: 3.28 in. Wattage: 4.4W/ft.			
CCT	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.
2700K-1800K	149 6		395 14			
3000K-2000K	155 7		400 17			
3000K-1800K	155 6		400 14			

LED DRIVERS	
OMNIDRIVE® X	See page 96

VALENT® WARM DIM WET LOCATION LED TAPE LIGHT

High-density tape light that glows warmer as it dims. Convincingly replicates the warm, familiar glow of incandescent light with the simplicity of a two-wire LED tape light installation. Suitable for wet locations (IP65).



FEATURES & BENEFITS

- 3000K–1800K and 2700K–1800K dimming ranges
- 400+ lumens per foot
- IP65 for outdoor and wet location

QUICK SPECS

Voltage	24VDC
Width	14mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed 2108
Connector	Solder Only

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	CCT	LENGTH
DI	24V (24VDC)	VL4	WD2718 (2700K–1800K) WD3018 (3000K–1800K)	W016 (16.4 ft.) W100 (100 ft.)

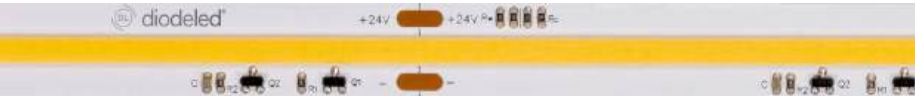
EXAMPLE: 24V VALENT® WARM DIM WET LOCATION 400 LUMENS 2700K–1800K 16.4 FT. SPOOL = DI-24V-VL4-WD2718-W016

24VDC		
400 LUMEN RANGE VL4 Max. Run: 21 ft. Cut Points: 3.28 in. Wattage: 4.4W/ft.		
CCT	Lumens/ft.	Lumens/ft.
2700K–1800K	375 12	
3000K–1800K	380 12	

LED DRIVERS	
OMNIDRIVE® X	See page 96

STREAMLITE™ WARM DIM DIFFUSED LINEAR LIGHT

Diffused tape light that glows warmer as it dims. Convincingly replicate the warm, familiar glow of incandescent light with the simplicity of a two-wire LED tape light installation.



FEATURES & BENEFITS

- 3000-1800K dimming range
- 300+ lumens per foot
- Compatible with 12mm Terminal Block Connectors

QUICK SPECS

Voltage	24VDC
Width	12mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location (IP20)
Certification	UL Listed 2108
Connector	12mm Terminal Block

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	CCT	LENGTH
DI	24V (24VDC)	STMLT	WD3018 (3000K-1800K)	016 (16.4 ft.)

EXAMPLE: 24V STREAMLITE™ WARM DIM 3000K-1800K 16.4 FT. SPOOL = DI-24V-STMLT-WD3018-016

24VDC	
300 LUMEN RANGE	
STMLT-WD3018	
Max. Run: 20 ft.	Cut Points: 1.96 in. Wattage: 3.3W/ft.
CCT	Lumens/ft.
3000K-1800K	300

LED DRIVERS	
OMNIDRIVE® X	See page 96

STREAMLITE™ TUNABLE WHITE DIFFUSED LINEAR LIGHT

Dotless linear lighting without any visible LEDs. Ideal for tight spaces and simple, impactful installations. Color temperature (CCT) adjustable from 2700K–6500K.



FEATURES & BENEFITS

- Uniform, diffused light appears dotless even without a diffusing lens
- 180° beam angle for even light distribution
- Compatible with channels and other popular accessories

QUICK SPECS

Voltage	24VDC
Width	10mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location (IP20)
Certification	UL Listed 2108
Connector	Solder Only

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	—	VOLTAGE	—	MODEL	—	CCT	—	LENGTH
DI	—	24V (24VDC)	—	STMLT	—	TW2765 (2700K–6500K)	—	016 (16.4 ft.)

EXAMPLE: 24V STREAMLITE™ TUNABLE WHITE 2700K–6500K 16.4 FT. SPOOL = DI-24V-STMLT-TW2765-016

24VDC		
200 LUMEN RANGE		
STMLT-TW2765		
Max. Run: 16.4 ft.		Wattage: 3.0W/ft.
Cut Points: 1 in.		
CCT	Lumens/ft.	
2700K	200	
3500K	218	
6500K	260	

LED DRIVERS		CONTROL SYSTEMS	
Constant Voltage	See page 100	Available Products	Begin on page 85
Plug-in Adapter	See page 101		

VALENT® TUNABLE WHITE HIGH-DENSITY LED TAPE LIGHT

Tunable white light that changes color temperature, CCT, at the push of a button or DMX controls. Color temperature (CCT) adjustable from 1800K–4000K.



FEATURES & BENEFITS

- Tunable white light range
- Wide kelvin range from 1800K–4000K
- Up to 400 Lm/ft.
- Controllable from a variety of technology choices

QUICK SPECS

Voltage	24VDC
Width	12mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location (IP20)
Certification	UL Listed 2108
Connector	Solder Only

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	—	VOLTAGE	—	MODEL	—	CCT	—	LENGTH
DI	—	24V (24VDC)	—	VL	—	TW1840	—	016 (16.4 ft.) 100 (100 ft.)

EXAMPLE: 24V VALENT® Tunable White 16.4 FT. SPOOL INDOOR/DAMP LOCATION = DI-24V-VL-TW1840-016

24VDC		
VL-TW1840		
Max. Run: 16.4 ft.		Wattage: 5.85W/ft.
CCT	Lumens/ft.	
1800K	167	
2700K	430	
4000K	275	

LED DRIVERS		CONTROL SYSTEMS	
Constant Voltage	See page 100	Available Products	Begin on page 85
Plug-in Adapter	See page 101		

DAZZLE® RGB LED TAPE LIGHT

RGB color-changing light for color effects. Available for outdoor or wet locations (IP65).



DAZZLE® RGB



DAZZLE® RGB Wet Location



FEATURES & BENEFITS

- 16 million color options
- Indoor and outdoor options available
- Use with any Diode LED RGB color controller

QUICK SPECS

Voltage	24VDC
Width	10mm (Indoor) 12mm (Outdoor)
Warranty	5 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location (IP20) Outdoor/Wet Location (IP65)
Certification	UL Listed 2108
Connector	CLICKTIGHT® RGB

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	LENGTH
DI	24V (24VDC)	DRGB	CSTM (Custom)
			0016 (16.4 ft., Indoor/Damp Location)
			0100 (100 ft., Indoor/Damp Location)
			W016 (16.4 ft., Outdoor/Wet Location)

EXAMPLE: 24V DAZZLE® RGB WET LOCATION 16.4 FT. SPOOL = DI-24V-DRGB-W016

24VDC						
INDOOR (IP20)			WET LOCATION (IP65)			
DRGB			DRGB-W			
Max. Run: 16.4 ft.		Cut Points: 4 in.	Wattage: 4.32W/ft.		Max. Run: 16.4 ft.	Cut Points: 4 in.
						Wattage: 4.32W/ft.
CCT	Lumens/ft.			Lumens/ft.		
RGB	160			160		

LED DRIVERS		CONTROL SYSTEMS	
Constant Voltage	See page 100	Available Products	Begin on page 85
Plug-in Adapter	See page 101		

STREAMLITE™ RGBW DIFFUSED LINEAR LIGHT

Dotless and color-changing RGBW linear lighting that delivers vibrant and saturated colors. Ideal for tight spaces, this tape light ensures simple, impactful installations with the potential for billions of color combinations.



FEATURES & BENEFITS

- Dotless and diffused full color RGBW light
- Dynamic RGB and 3000K white, color mixing billions of colors
- Compatible with DMX and stand alone color control accessories

QUICK SPECS

Voltage	24VDC
Width	12mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location (IP20)
Certification	UL Listed 2108
Connector	Solder Only

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	CCT	LENGTH
DI	24V (24VDC)	STMLT	RGBW	016 (16.4 ft.)

EXAMPLE: 24V STREAMLITE™ RGBW 16.4 FT. SPOOL = DI-24V-STMLT-RGBW-016

24VDC	
VL-RGBW	
Max. Run: 16.4 ft.	Max. Run (Class 2): 15 ft.
Cut Points: 2 in.	Wattage: 6.1W/ft.
CCT	Lumens/ft.
Red	33
Green	128
Blue	24
3000K	100
All	270

LED DRIVERS	CONTROL SYSTEMS
Constant Voltage See page 100	Available Products Begin on page 85
Plug-in Adapter See page 101	

STREAMLITE™ RGBW DIFFUSED WET LOCATION

Dotless and color-changing RGBW linear lighting that delivers vibrant and saturated colors. Ideal for tight spaces, this tape light ensures simple, impactful installations with the potential for billions of color combinations. Suitable for wet locations (IP65).



24
VDC

90+
CRI


IP65

FEATURES & BENEFITS

- Dotless and diffused full color RGBW light
- 250+ lumens per foot
- IP65 for outdoor and wet location

QUICK SPECS

Voltage	24VDC
Width	14mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed 2108
Connector	Solder Only

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	CCT	LENGTH
DI	24V (24VDC)	STMLT	RGBW	W016 (16.4 ft.)

EXAMPLE: 24V STREAMLITE™ RGBW WET LOCATION 16.4 FT. SPOOL = DI-24V-STMLT-RGBW-W016

24VDC	
VL-RGBW	
Max. Run: 16.4 ft.	Cut Points: 2.46 in.
Wattage: 5.2W/ft.	
CCT	Lumens/ft.
Red	35
Green	116
Blue	24
3000K	96
All	258

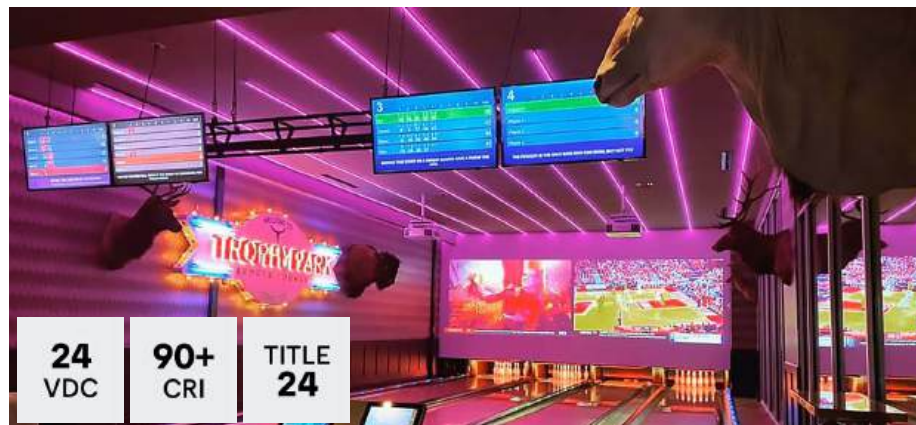
LED DRIVERS		CONTROL SYSTEMS	
Constant Voltage	See page 100	Available Products	Begin on page 85
Plug-in Adapter	See page 101		

VALENT® RGBW LED TAPE LIGHT

Bright, saturated RGBW tape light for high-performance color-changing applications. Capable of billions of color combinations, plus pure 3000K white light.



This product supersedes DAZZLE® RGB and RGBW 4D



FEATURES & BENEFITS

- Dense LED placement for uninterrupted linear light
- RGB tri-chip and 3000K white chip capable of billions of colors
- Controllable via DMX, CASAMBI, TOUCHDIAL™, and other options

QUICK SPECS

Voltage	24VDC
Width	12mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location IP20
Certification	UL Listed 2108
Connector	Solder Only

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	CCT	LENGTH
DI	24V (24VDC)	VL	RGBW	016 (16.4 ft.) 100 (100 ft.)

EXAMPLE: 24V VALENT® RGBW 16.4 FT. SPOOL = DI-24V-VL-RGBW-016

24VDC	
VL-RGBW	
Max. Run: 16.4 ft.	Max. Run (Class 2): 16.4 ft.
Cut Points: 2 in.	Wattage: 6.1W/ft.
CCT	Lumens/ft.
Red	36
Green	104
Blue	23
3000K	144
All	291

LED DRIVERS	CONTROL SYSTEMS
Constant Voltage See page 100	Available Products Begin on page 85
Plug-in Adapter See page 101	

VALENT® RGBW WET LOCATION LED TAPE LIGHT

Bright, saturated RGBW tape light for high-performance color-changing applications. Capable of billions of color combinations, plus pure 3000K white light. Suitable for wet locations (IP65).



24
VDC

95+
CRI

TITLE
24


IP65

FEATURES & BENEFITS

- Dense LED placement for uninterrupted linear light
- RGB tri-chip and 3000K white chip capable of billions of colors
- Controllable via DMX, CASAMBI, TOUCHDIAL™, and other options
- IP65 for outdoor and wet location

QUICK SPECS

Voltage	24VDC
Width	14mm
CRI	90+
Warranty	7 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed 2108
Connector	Solder Only

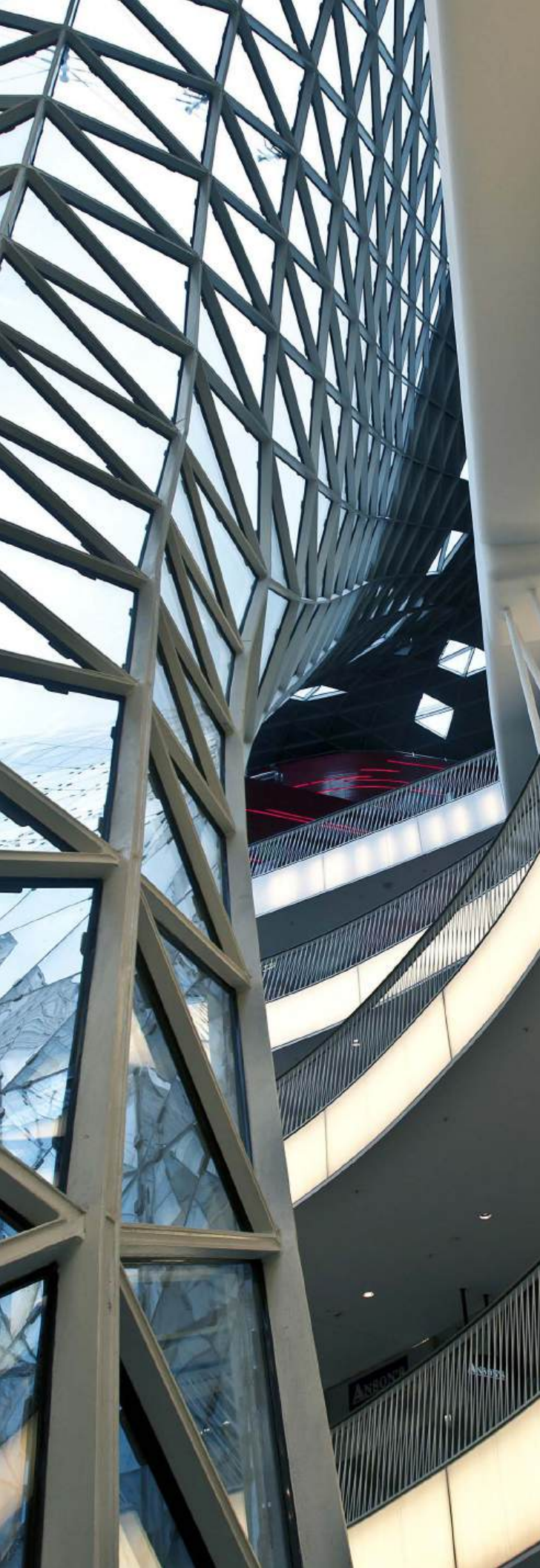
Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

DI	VOLTAGE	MODEL	CCT	LENGTH
DI	24V (24VDC)	VL	RGBW	W016 (16.4 ft.) W100 (100 ft.)

EXAMPLE: 24V VALENT® RGBW WET LOCATION 16.4 FT. SPOOL = DI-24V-VL-RGBW-W016

	24VDC			
	VL-RGBW			
	Max. Run: 16.4 ft.	Max. Run (Class 2): 16.4 ft.	Cut Points: 2 in.	Wattage: 6.1W/ft.
CCT	Lumens/ft.			
 Red	30			
 Green	90			
 Blue	18			
 3000K	128			
 All	260			

LED DRIVERS		CONTROL SYSTEMS	
Constant Voltage	See page 100	Available Products	Begin on page 85
Plug-in Adapter	See page 101		



TAPE LIGHT CONNECTORS

A small part can make all the difference.

Tape Light Terminal Block Connectors were designed and manufactured for easy, durable connections that last. The screw-down connector creates a tight fit with 8mm or 12mm LED tape lights and fits inside popular channels for a clean, professional installation. We offer many versions to round out your complex installation, including Tape-to-Wire and Tape-to-Tape formats, jumpers, and 90° angles.

CONNECTORS	COMPATIBLE TAPE LIGHTS
8mm	• BLAZE™ • BLAZE™ X • STREAMLITE™
12mm	• VALENT® • VALENT® X • STREAMLITE™ Warm Dim
CLICKTIGHT®	• DAZZLE® RGB
TAPE-TO-WIRE	
TAPE-TO-TAPE	
90° CORNER (L-CONNECTOR)	
EXAMPLE (12MM CONNECTOR IN SLIM CHANNEL)	
CONNECTOR NOTE	Class 2 maximum load limit on all tape light connectors: • 60W on 12V circuits • 96W on 24V circuits

8MM CONNECTORS FOR LED TAPE LIGHT

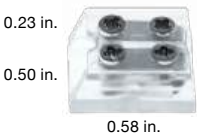
8MM TAPE LIGHT TERMINAL BLOCK CONNECTOR COMPATIBILITY

BLAZE™

BLAZE™ X

STREAMLITE™

TAPE-TO-WIRE TERMINAL BLOCK CONNECTORS

	DIMENSIONS	SKU	BUNDLE DESCRIPTION
		DI-TB8-CONN-TTW-1	Single
		DI-TB8-CONN-TTW-5	Pack of 5
		DI-TB8-CONN-TTW-25	Pack of 25 (Singles)
		DI-TB8-CONN-TTW-25B	Pack of 25 (Bulk)
WITH SPLICE CABLES		DI-TB8-60SPL-TTW-1	Single, 60 in. 20 AWG Wire Lead
		DI-TB8-60SPL-TTW-25	Pack of 25 (Singles), 60 in. 20 AWG Splice Wire
		DI-TB8-60SPL-TTW-25B	Pack of 25 (Bulk), 60 in. 20 AWG Splice Wire

Visit DiodeLED.com for Terminal Block Connector specifications.

TAPE-TO-TAPE TERMINAL BLOCK CONNECTORS

	DIMENSIONS	SKU	BUNDLE DESCRIPTION
		DI-TB8-CONN-TTT-1	Single
		DI-TB8-CONN-TTT-5	Pack of 5
		DI-TB8-CONN-TTT-25	Pack of 25 (Singles)
		DI-TB8-CONN-TTT-25B	Pack of 25 (Bulk)
		DI-TB8-90-TTT-1	Single, 90° Corner 8mm Connector
WITH JUMPER CABLES		DI-TB8-60JPR-TTT-1	Single, 60 in. 20 AWG Wire Lead
		DI-TB8-60JPR-TTT-25	Pack of 25 (Singles), 60 in. 20 AWG Wire Lead
		DI-TB8-60JPR-TTT-25B	Pack of 25 (Bulk), 60 in. 20 AWG Wire Lead
		DI-TB8-6JPR-TTT-1	Single, 6 in. 20 AWG Wire Lead
		DI-TB8-6JPR-TTT-25	Pack of 25 (Singles), 6 in. 20 AWG Wire Lead
		DI-TB8-6JPR-TTT-25B	Pack of 25 (Bulk), 6 in. 20 AWG Wire Lead

Visit DiodeLED.com for Terminal Block Connector specifications.

12MM CONNECTORS FOR LED TAPE LIGHT

12MM TAPE LIGHT TERMINAL BLOCK CONNECTOR COMPATIBILITY		
VALENT®	VALENT® X	STREAMLITE™ Warm Dim

TAPE-TO-WIRE TERMINAL BLOCK CONNECTORS

	DIMENSIONS	SKU	BUNDLE DESCRIPTION
		DI-TB12-CONN-TTW-1	Single
		DI-TB12-CONN-TTW-5	Pack of 5
		DI-TB12-CONN-TTW-25	Pack of 25 (Singles)
		DI-TB12-CONN-TTW-25B	Pack of 25 (Bulk)
WITH SPLICE CABLES		DI-TB12-60SPL-TTW-1	Single, 60 in. 20 AWG Wire Lead
		DI-TB12-60SPL-TTW-25	Pack of 25 (Singles), 60 in. 20 AWG Splice Wire
		DI-TB12-60SPL-TTW-25B	Pack of 25 (Bulk), 60 in. 20 AWG Splice Wire

Visit DiodeLED.com for Terminal Block Connector specifications.

TAPE-TO-TAPE TERMINAL BLOCK CONNECTORS

	DIMENSIONS	SKU	BUNDLE DESCRIPTION
		DI-TB12-CONN-TTT-1	Single
		DI-TB12-CONN-TTT-5	Pack of 5
		DI-TB12-CONN-TTT-25	Pack of 25 (Singles)
		DI-TB12-CONN-TTT-25B	Pack of 25 (Bulk)
		DI-TB12-90-TTT-1	Single, 90° Corner 12mm Connector
WITH JUMPER CABLES		DI-TB12-60JPR-TTT-1	Single, 60 in. 20 AWG Wire Lead
		DI-TB12-60JPR-TTT-25	Pack of 25 (Singles), 60 in. 20 AWG Wire Lead
		DI-TB12-60JPR-TTT-25B	Pack of 25 (Bulk), 60 in. 20 AWG Wire Lead
		DI-TB12-6JPR-TTT-1	Single, 6 in. 20 AWG Wire Lead
		DI-TB12-6JPR-TTT-25	Pack of 25 (Singles), 6 in. 20 AWG Wire Lead
		DI-TB12-6JPR-TTT-25B	Pack of 25 (Bulk), 6 in. 20 AWG Wire Lead

Visit DiodeLED.com for Terminal Block Connector specifications.

COLOR-CHANGING CONNECTORS FOR LED TAPE LIGHT

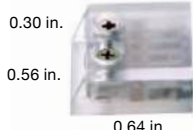
RGBW TAPE LIGHT TERMINAL BLOCK CONNECTOR COMPATIBILITY

VALENT® RGBW

TAPE-TO-WIRE RGBW TERMINAL BLOCK CONNECTORS



DIMENSIONS



0.30 in.

0.56 in.

0.64 in.

SKU

DI-TB-RGBW-36SPL-TTW-1

DI-TB-RGBW-36SPL-TTW-25

DI-TB-RGBW-36SPL-TTW-25B

DI-TB-RGBW-96SPL-TTW-1

DI-TB-RGBW-96SPL-TTW-25

DI-TB-RGBW-96SPL-TTW-25B

BUNDLE DESCRIPTION

Single, 36 in. 22 AWG Splice Wire

Pack of 25 (Singles), 36 in. 22 AWG Splice Wire

Pack of 25 (Bulk), 36 in. 22 AWG Splice Wire

Single, 96 in. 22 AWG Splice Wire

Pack of 25 (Singles), 96 in. 22 AWG Splice Wire

Pack of 25 (Bulk), 96 in. 22 AWG Splice Wire

Visit DiodeLED.com for Terminal Block Connector specifications.

CLICKTIGHT® TAPE LIGHT CONNECTOR COMPATIBILITY

DAZZLE® RGB

CLICKTIGHT® RGB TAPE LIGHT CONNECTORS

TAPE LINK CONNECTOR



SKU (Single)

DI-0895

SKU (Pack of 5)

DI-0895-5

SKU (Pack of 25)

DI-0895-25

LENGTH

–

SPLICE CONNECTOR



DI-0885

DI-0885-5

DI-0885-25

3 in.

DI-0886

DI-0886-5

DI-0886-25

24 in.

DI-0887

DI-0887-5

DI-0887-25

48 in.

FLEXIBLE EXTENSION CONNECTOR



DI-0890

DI-0890-5

DI-0890-25

3 in.

DI-1090

DI-1090-5

DI-1090-25

6 in.

DI-1091

DI-1091-5

DI-1091-25

12 in.

DI-0891

DI-0891-5

DI-0891-25

24 in.

DI-0892

DI-0892-5

DI-0892-25

48 in.

Visit DiodeLED.com for connector specifications.





CHANNEL PROFILES

CHANNEL PROFILES GETTING STARTED

Channels add a professional finish to your tape light installation.

Channel profiles improve the aesthetics of installations to add extra protection against dust, moisture, and physical impact. Lenses help reduce glare and scatter light to create softer, more pleasant light when viewed directly.

There's a channel profile for every application, including surface mounted, recessed, mud-in, corners, trims, and even coves.

FINISHES AVAILABLE		 Aluminum	 White	 Black
LENS OPTIONS	ARCHITECTURAL FROSTED (AF)			
	Lightly textured, diffused lens & reduced glare. 30% light loss.			
	PREMIUM DIFFUSION (PD)			
	Tall diffusing lens that emits light on three sides. 10% light loss.			
	BLACK (BL)			
	Black diffusing lens will blend into dark environments. 90% light loss.			
	CLASSIC FROSTED (Leave Blank)			
Diffused lens for everyday installations. 20% light loss.				
DIFFUSION NOTE	ARCHITECTURAL CLEAR (AC)			
	Lightly textured lens for maximum light output & reduced glare.			
LENS NOTE		Not all lens options are available for every channel. See product pages for channel-specific lenses.		
DIFFUSION NOTE		See specification sheets at DiodeLED.com for details on compatibility and diffusion.		

CHANNEL PROFILES

COMPARISON CHART

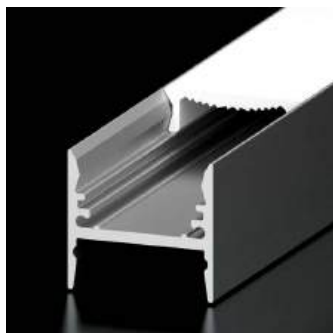
	Channel	Finish	8mm Tape	12mm Tape	IP65 Tape	Arch. Frosted	Premium Diffused	Black	Classic Frosted	Arch. Clear	Satin	Opal	Mounting	Application
	A1	●	✓	✓	✓	✓	—	—	—	—	—	—	U-Clip, Surface Mounting Clip	Architectural/Task/Accent/Hospitality
	A2	●○●	✓	✓	✓	✓	—	—	—	✓	✓	—	U-Clip, Surface Mounting Clip	Task
	A3	●○●	✓	✓	✓	✓	—	—	—	✓	✓	—	U-Clip, Surface Mounting Clip	Task
	S1	●	✓	✓	✓	—	—	—	✓	—	—	—	U-Clip, Surface Mounting Clip	Residential/Task/Under Cabinet
	S2	●	✓	✓	✓	—	—	—	✓	—	—	—	U-Clip	Task
	S45	●	✓	✓	✓	—	—	—	✓	—	—	—	U-Clip	Under Cabinet/Task
	Slim	●○●	✓	✓	✓	✓	✓	✓	✓	✓	—	—	3M, Magnetic U-Clip	Cove/Handrail/Task/Outdoor
	Square	●○●	✓	✓	✓	✓	✓	✓	✓	✓	—	—	Surface, Rotating, Hanging	Task/General
	45°	●○●	✓	✓	✓	✓	✓	✓	✓	✓	—	—	Surface, Rotating, Hanging	Architectural/Task/Accent
	Recessed	●	✓	✓	✓	—	—	—	✓	—	—	—	Recessed	Millwork/Accent
	Slim Recessed	●	✓	—	—	—	—	—	✓	—	—	—	Recessed	Millwork/Accent
	45° Deco	●	✓	✓	✓	—	—	—	✓	—	—	—	Mounting Clip	Task
	16mm	●	✓	✓	✓	✓	—	—	—	—	—	—	Mounting Clip	Architectural/Task/Accent
	Sconce	●	✓	✓	✓	—	—	—	✓	—	—	—	Metal Plate	Hallway/Accent
	Grazer	●	✓	—	—	—	—	—	—	—	—	—	Mounting Clip	Millwork/Grazing
	20mm Square	●	✓	✓	✓	—	—	—	✓	—	—	—	U-Clip	Task
	20mm Rounded	●	✓	✓	✓	—	—	—	✓	—	—	—	U-Clip	Architectural/Task/Accent
	Waveform	●	✓	✓	—	—	—	—	✓	—	—	—	U-Clip	Retail/Display
	90° Side View	●	✓	✓	✓	—	—	—	✓	—	—	—	Mounting Clip	Accent
	Reflector	●	✓	✓	✓	—	—	—	✓	—	—	—	Recessed	Accent
	8mm Tape Guard	—	✓	—	—	—	—	—	✓	—	—	—	Surface	General
	12mm Tape Guard	—	—	✓	—	—	—	—	✓	—	—	—	Surface	General
	Rod	●	✓	✓	✓	—	—	—	✓	—	—	—	Rotating, Closet, Art Lighting Arm, Wall Arm.	Closet/Display/Retail
	Mud-in 1 in	●	✓	✓	✓	—	—	—	—	—	—	✓	Recessed	Millwork
	Mud-in 2 in	●	✓	✓	✓	—	—	—	—	—	—	✓	Recessed	Millwork

CHANNEL PROFILES

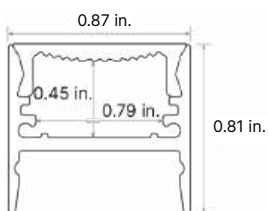
SPECIFICATIONS & SKU BUILDERS

A1 CHANNEL

Precise, patented profile with integrated wire management for seamless linear light.



DIMENSIONS



Interior Depth (ID): 0.45 in.
Interior Width (IW): 0.79 in.

DI — CHB — A1 — LENGTH FINISH

DI	—	CHB	—	A1	—	48 (48 in.)	W (White)
						90 (90 in.)	B (Black) (Aluminum - leave blank)



EXAMPLE: A1 CHANNEL 48 IN. ALUMINUM FINISH = **DI-CHB-A1-48**
Fits 8mm and 12mm Terminal Block Connectors

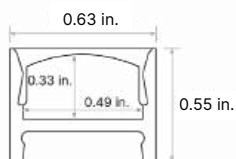
Visit DiodeLED.com for accessories and specifications.

A2 CHANNEL

Slim, patented profile with concealed flush mounting and concealed wire management.



DIMENSIONS



Interior Depth (ID): 0.33 in.
Interior Width (IW): 0.49 in.

DI — CHB — A2 — LENS — LENGTH FINISH

DI	—	CHB	—	A2	—	AC	—	48 (48 in.)	W (White)
						AF		96 (96 in.)	B (Black) (Aluminum - leave blank)
						AFS			



EXAMPLE: A2 CHANNEL 48 IN. ALUMINUM FINISH = **DI-CHB-A2-48**
Fits 8mm Terminal Block Connector

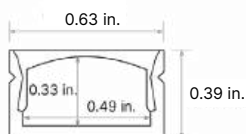
Visit DiodeLED.com for accessories and specifications.

A3 CHANNEL

Minimal, patented profile with Architectural-grade lenses for optimal diffusion.



DIMENSIONS



Interior Depth (ID): 0.33 in.
Interior Width (IW): 0.49 in.

DI — CHB — A3 — LENS — LENGTH FINISH

DI	—	CHB	—	A3	—	AC	—	48 (48 in.)	W (White)
						AF		96 (96 in.)	B (Black) (Aluminum - leave blank)
						AFS			



EXAMPLE: A3 CHANNEL 48 IN. ALUMINUM FINISH = **DI-CHB-A3-48**
Fits 8mm Terminal Block Connector

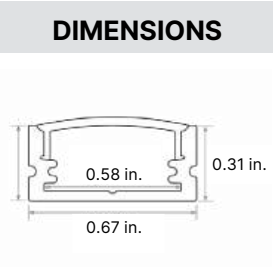
Visit DiodeLED.com for accessories and specifications.

CHANNEL PROFILES

SPECIFICATIONS & SKU BUILDERS

S1 CHANNEL

Low profile for everyday tape light installations.



Interior Depth (ID): 0.25 in.
Interior Width (IW): 0.58 in.

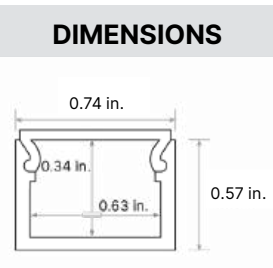
DI	—	CHB	—	S1	—	LENGTH	FINISH
DI	—	CHB	—	S1	—	48 (48 in.) 96 (96 in.)	(Aluminum only - leave blank)

EXAMPLE: S1 CHANNEL 48 IN. ALUMINUM FINISH = DI-CHB-S1-48
Fits 8mm Terminal Block Connector

Visit DiodeLED.com for accessories and specifications.

S2 CHANNEL

Medium size channel that fully diffuses.



Interior Depth (ID): 0.34 in.
Interior Width (IW): 0.63 in.

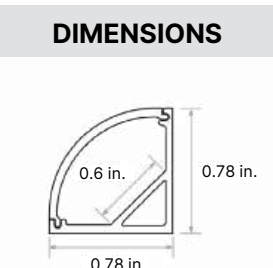
DI	—	CHB	—	S1	—	LENGTH	FINISH
DI	—	CHB	—	S2	—	48 (48 in.) 96 (96 in.)	(Aluminum only - leave blank)

EXAMPLE: S2 CHANNEL 48 IN. ALUMINUM FINISH = DI-CHB-S2-48
This product replaces canal
Fits 8mm and 12mm Terminal Block Connectors

Visit DiodeLED.com for accessories and specifications.

S45 CHANNEL

Corner profile with a rounded lens.



Interior Depth (ID): 0.54 in.
Interior Width (IW): 0.6 in.

DI	—	CHB	—	S45	—	LENGTH	FINISH
DI	—	CHB	—	S45	—	48 (48 in.) 96 (96 in.)	(Aluminum only - leave blank)

EXAMPLE: S45 CHANNEL 48 IN. ALUMINUM FINISH = DI-CHB-S45-48
Fits 8mm and 12mm Terminal Block Connectors

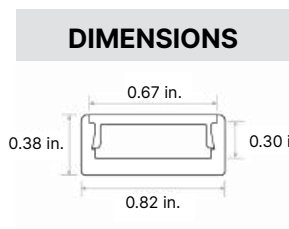
Visit DiodeLED.com for accessories and specifications.

CHANNEL PROFILES

SPECIFICATIONS & SKU BUILDERS

SLIM CHANNEL

Classic low profile for most tape lights.



Interior Depth (ID): 0.30 in.
Interior Width (IW): 0.67 in.

DI	—	CPCHB	—	SL	—	LENS	—	LENGTH	FINISH
DI	—	CPCHB	—	SL	—	AF	—	48 (48 in.)	W (White)
						AC		96 (96 in.)	B (Black)
						PD			(Aluminum - leave blank)
						BL			
						(Blank)			

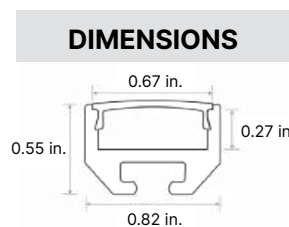
EXAMPLE: SLIM CHANNEL AF LENS 48 IN. WHITE FINISH = **DI-CPCHB-SL-AF-48W**

Fits 8mm and 12mm Terminal Block Connectors

Visit DiodeLED.com for accessories and specifications.

SQUARE CHANNEL

Sturdy profile with many mounting options.



Interior Depth (ID): 0.27 in.
Interior Width (IW): 0.67 in.

DI	—	CPCHB	—	SQ	—	LENS	—	LENGTH	FINISH
DI	—	CPCHB	—	SQ	—	AF	—	48 (48 in.)	W (White)
						AC		96 (96 in.)	B (Black)
						PD			(Aluminum - leave blank)
						BL			
						(Blank)			

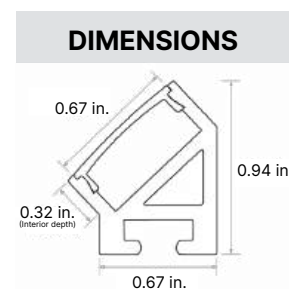
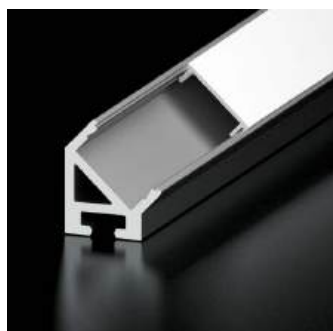
EXAMPLE: SQUARE CHANNEL AF LENS 48 IN. WHITE FINISH = **DI-CPCHB-SQ-AF-48W**

Fits 8mm and 12mm Terminal Block Connectors

Visit DiodeLED.com for accessories and specifications.

45° CHANNEL

Sturdy angled profile.



Interior Depth (ID): 0.32 in.
Interior Width (IW): 0.67 in.

DI	—	CPCHB	—	45	—	LENS	—	LENGTH	FINISH
DI	—	CPCHB	—	45	—	AF	—	48 (48 in.)	W (White)
						AC		96 (96 in.)	B (Black)
						PD			(Aluminum - leave blank)
						BL			
						(Blank)			

EXAMPLE: 45° CHANNEL AF LENS 48 IN. WHITE FINISH = **DI-CPCHB-45-AF-48W**

Fits 8mm and 12mm Terminal Block Connectors

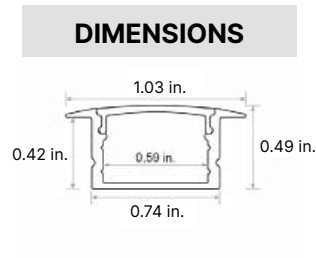
Visit DiodeLED.com for accessories and specifications.

CHANNEL PROFILES

SPECIFICATIONS & SKU BUILDERS

RECESSED CHANNEL

Recessed channel for millwork.



Interior Depth (ID): 0.42 in.
Interior Width (IW): 0.59 in.

DI	—	CPCHB	—	REC	—	LENGTH	FINISH
DI	—	CPCHB	—	REC	—	48 (48 in.) 96 (96 in.)	(Aluminum only - leave blank)

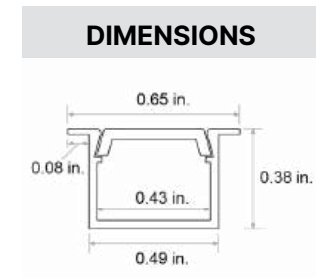
EXAMPLE: RECESSED CHANNEL 48 IN. ALUMINUM FINISH = DI-CPCHB-REC-48

Fits 8mm and 12mm Terminal Block Connectors

Visit DiodeLED.com for accessories and specifications.

SLIM RECESSED CHANNEL

Narrow recessed channel for millwork.



Interior Width (IW): 0.43 in.

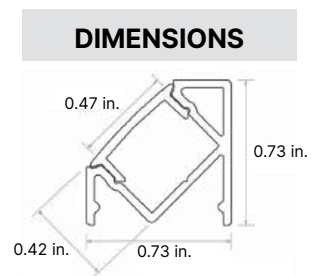
DI	—	CPCHB	—	SLR	—	LENGTH	FINISH
DI	—	CPCHB	—	SLR	—	48 (48 in.) 96 (96 in.)	(Aluminum only - leave blank)

EXAMPLE: SLIM RECESSED CHANNEL 48 IN. ALUMINUM FINISH = DI-CPCHB-SLR-48

Visit DiodeLED.com for accessories and specifications.

45° DECO CHANNEL

Discreet 45° profile with concealed mounting.



Interior Depth (ID): 0.42 in.
Interior Width (IW): 0.47 in.

DI	—	CPCHB	—	45DCO	—	LENGTH	FINISH
DI	—	CPCHB	—	45DCO	—	48 (48 in.) 96 (96 in.)	(Aluminum only - leave blank)

EXAMPLE: 45° DECO CHANNEL 48 IN. ALUMINUM FINISH = DI-CPCHB-45DCO-48

Fits 8mm Terminal Block Connector

Visit DiodeLED.com for accessories and specifications.

CHANNEL PROFILES

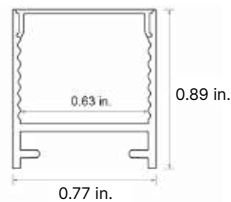
SPECIFICATIONS & SKU BUILDERS

16MM CHANNEL

Mounting channel for use with dry and wet location tape light.



DIMENSIONS



Interior Width (IW): 0.63 in.

DI — CPCHB — 16MM — LENGTH FINISH

DI	—	CPCHB	—	16MM	—	48 (48 in.)	B* (Black)
						96 (96 in.)	(Aluminum - leave blank)

*Black finish is only available for 96 in. channel length.

Note: Comes with Architectural Frosted lens.

EXAMPLE: 16MM CHANNEL 48 IN. ALUMINUM FINISH = DI-CPCHB-16MM-48

Fits 8mm and 12mm Terminal Block Connectors

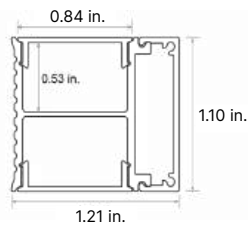
Visit DiodeLED.com for accessories and specifications.

SCONCE CHANNEL

Up-down indirect lighting in a single profile for wall mounting.



DIMENSIONS



Interior Depth (ID): 0.53 in.
Interior Width (IW): 0.84 in.

DI — CPCHB — SCNC — LENGTH FINISH

DI	—	CPCHB	—	SCNC	—	48 (48 in.)	(Aluminum only - leave blank)
						96 (96 in.)	

EXAMPLE: SCONCE CHANNEL 48 IN. ALUMINUM FINISH = DI-CPCHB-SCNC-48

Fits 8mm and 12mm Terminal Block Connectors

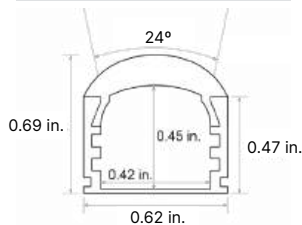
Visit DiodeLED.com for accessories and specifications.

GRAZER CHANNEL

Profile with narrow grazing (24°) lens.



DIMENSIONS



Interior Depth (ID): 0.45 in.
Interior Width (IW): 0.42 in.

DI — CPCHB — GZRN — LENGTH FINISH

DI	—	CPCHB	—	GZRN	—	48 (48 in.)	(Aluminum only - leave blank)
						96 (96 in.)	

EXAMPLE: GRAZER NARROW CHANNEL 48 IN. ALUMINUM FINISH = DI-CPCHB-GZRN-48

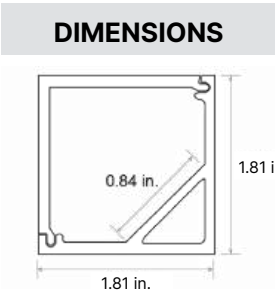
Visit DiodeLED.com for accessories and specifications.

CHANNEL PROFILES

SPECIFICATIONS & SKU BUILDERS

20MM SQUARE CORNER CHANNEL

Corner profile with a squared lens.



Interior Width (IW): 0.84 in.

DI	—	CPCHB	—	SQC20	—	LENGTH	FINISH
DI	—	CPCHB	—	SQC20	—	48 (48 in.) 96 (96 in.)	(Aluminum only - leave blank)

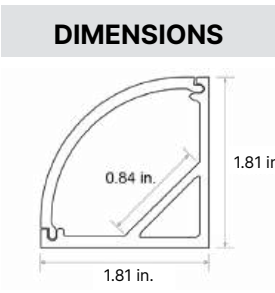
EXAMPLE: 20MM SQUARE CORNER CHANNEL 48 IN. ALUMINUM FINISH = DI-CPCHB-SQC20-48

Fits 8mm and 12mm Terminal Block Connectors

Visit DiodeLED.com for accessories and specifications.

20MM ROUNDED CORNER CHANNEL

Corner profile with a rounded lens.



Interior Width (IW): 0.84 in.

DI	—	CPCHB	—	RC20	—	LENGTH	FINISH
DI	—	CPCHB	—	RC20	—	48 (48 in.) 96 (96 in.)	(Aluminum only - leave blank)

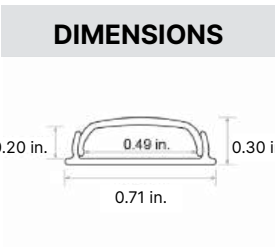
EXAMPLE: 20MM ROUNDED CORNER CHANNEL 48 IN. ALUMINUM FINISH = DI-CPCHB-RC20-48

Fits 8mm and 12mm Terminal Block Connectors

Visit DiodeLED.com for accessories and specifications.

WAVEFORM CHANNEL

Flexible profile for installing tape light onto curved surfaces.



Interior Width (IW): 0.49 in.

DI	—	CPCHB	—	WF	—	LENGTH	FINISH
DI	—	CHB	—	WF	—	48 (48 in.)	(Aluminum only - leave blank)

EXAMPLE: WAVEFORM CHANNEL 48 IN. ALUMINUM FINISH = DI-CPCHB-WF-48

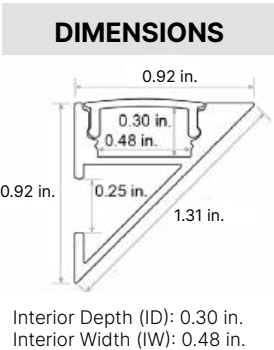
Visit DiodeLED.com for accessories and specifications.

CHANNEL PROFILES

SPECIFICATIONS & SKU BUILDERS

90° SIDEVIEW CHANNEL

Wall-mounted profile for uplighting or downlighting.



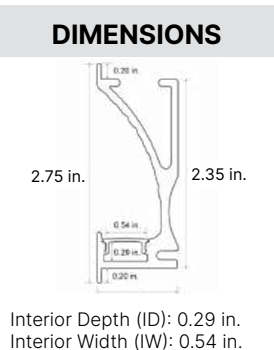
DI	—	CPCHB	—	90SD	—	LENGTH	FINISH
DI	—	CPCHB	—	90SD	—	48 (48 in.) 96 (96 in.)	(Aluminum only - leave blank)

EXAMPLE: 90° SIDEVIEW CHANNEL 48 IN. ALUMINUM FINISH = **DI-CHB-90SD-48**

Visit DiodeLED.com for accessories and specifications.

REFLECTOR CHANNEL

In-wall profile for indirect effects such as path lighting and hallway lighting.



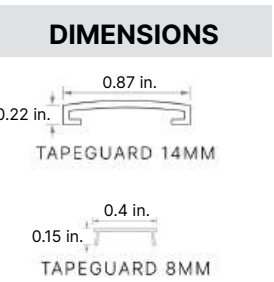
DI	—	CPCHB	—	RFCTR	—	LENGTH	FINISH
DI	—	CPCHB	—	RFCTR	—	48 (48 in.) 96 (96 in.)	(Aluminum only - leave blank)

EXAMPLE: REFLECTOR CHANNEL 48 IN. ALUMINUM FINISH = **DI-CPCHB-RFCTR-48**

Visit DiodeLED.com for accessories and specifications.

TAPEGUARD®

Protects tape light from dust and airborne grease and dirt, and creates a surface that can be easily wiped clean.



DI	—	TAPE	—	MODEL	—	DIFFUSION	—	BUNDLE
DI	—	TAPE	—	GRD (8mm) GRD14 (14mm)	—	FR (Frosted) CL* (Clear)	—	10 (Pack of 10) Blank (Single)

*Clear lens option only available for 8mm TAPEGUARD®

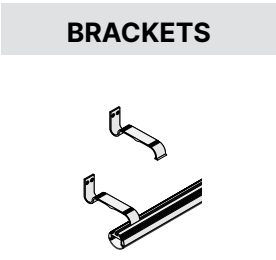
EXAMPLE: TAPEGUARD® 8MM CLEAR PACK OF 10 = **DI-TAPE-GRD-CL-10**

Visit DiodeLED.com for accessories and specifications.

CHANNEL PROFILES

SPECIFICATIONS & SKU BUILDERS

WALL ROD



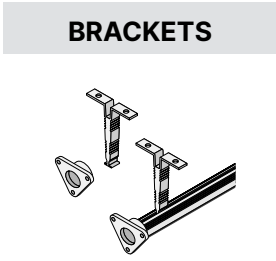
Profile for general illumination.

ROD CHANNELS

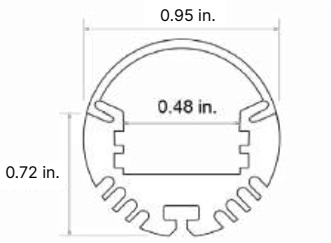
BRACKETS		DI	—	CPCHB	—	CHANNEL	—	LENGTH	FINISH
		DI	—	CPCHB	—	RDCL (Closet)	—	79 (79 in.)	(Aluminum only - leave blank)
						RDART (Art)			
						RDWAL (Wall)			

EXAMPLE: CLOSET ROD CHANNEL 79 IN. ALUMINUM FINISH = **DI-CPCHB-RDCL-79**
 Fits 8mm Terminal Block Connector

CLOSET ROD

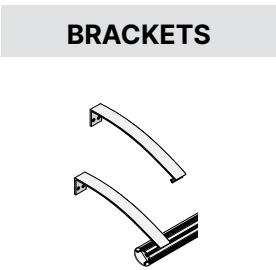


Integrate lighting directly into closets in residential or hospitality environments.



ROD DIMENSIONS FOR ALL OPTIONS
 Interior Width (IW): 0.48 in.

ART ROD



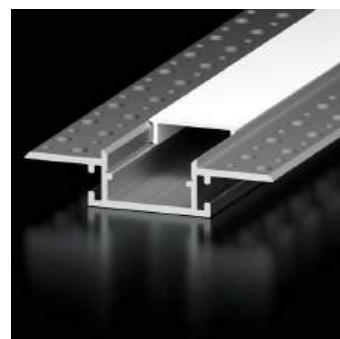
Task lighting for art, displays, and exhibits.

CHANNEL PROFILES

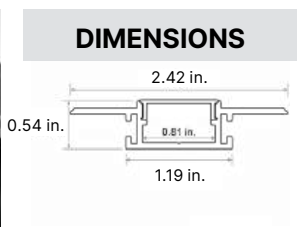
SPECIFICATIONS & SKU BUILDERS

MUD-IN 1 IN. CHANNEL

1-inch-wide profile for recessing directly into drywall for walls and ceilings.



DIMENSIONS



Interior Width (IW): 0.81 in.

DI	—	CPCHB	—	MUD1	—	LENGTH	FINISH
DI	—	CPCHB	—	MUD1	—	96 (96 in.)	(Aluminum only - leave blank)

EXAMPLE: MUD-IN 1 IN. CHANNEL 96 IN. ALUMINUM FINISH = DI-CPCHB-MUD1-96

Fits 8mm and 12mm terminal block connectors

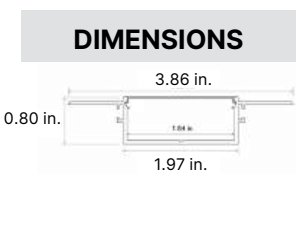
Visit DiodeLED.com for accessories and specifications.

MUD-IN 2 IN. CHANNEL

2-inch-wide profile for recessing directly into drywall for walls and ceilings.



DIMENSIONS



Interior Width (IW): 1.84 in.

DI	—	CPCHB	—	MUD2	—	LENGTH	FINISH
DI	—	CPCHB	—	MUD2	—	96 (96 in.)	(Aluminum only - leave blank)

EXAMPLE: MUD-IN 2 IN. CHANNEL 96 IN. ALUMINUM FINISH = DI-CPCHB-MUD2-48

Fits 8mm and 12mm terminal block connectors

Visit DiodeLED.com for accessories and specifications.



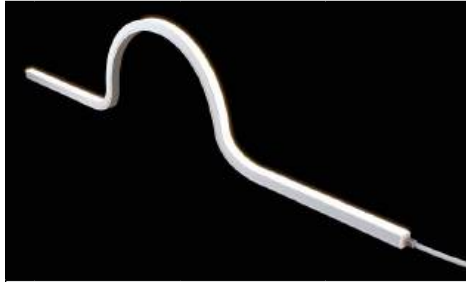




FLEXIBLE DIFFUSED LED LIGHT

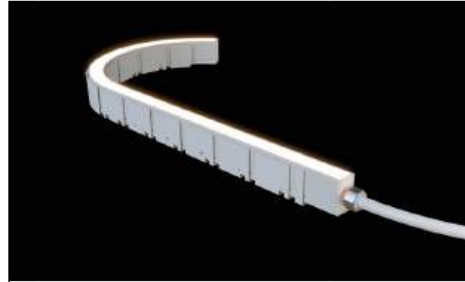
LINAIRE® FLEX

COMPARISON CHARTS



TOP BEND

CCT	Lumen Output	
	LIN	LIN3
2400K	112 Lm/ft.	333 Lm/ft.
2700K	115 Lm/ft.	340 Lm/ft.
3000K	116 Lm/ft.	350 Lm/ft.
3500K	122 Lm/ft.	361 Lm/ft.
4000K	121 Lm/ft.	368 Lm/ft.
Wattage	2.6W/ft.	4.57W/ft.
Max Run	32.8 ft.	16.4 ft.
CRI	90+	
Wire Entry	-Straight -Side -Bottom *Field Connector Options Available	
IP Rating	Factory Assembled (IP67) Field Termination (IP65)	
Cut Points	Free cut	



SIDE BEND

CCT	Lumen Output	
	LIN	LIN2
2400K	72 Lm/ft.	190 Lm/ft.
2700K	75 Lm/ft.	194 Lm/ft.
3000K	76 Lm/ft.	200 Lm/ft.
3500K	82 Lm/ft.	206 Lm/ft.
4000K	81 Lm/ft.	210 Lm/ft.
Wattage	2.6W/ft.	4.57W/ft.
Max Run	32.8 ft.	16.4 ft.
CRI	90+	
Wire Entry	-Straight -Side -Bottom *Field Connector Options Available	
IP Rating	Factory Assembled (IP67) Field Termination (IP65)	
Cut Points	Free cut	



3D BEND

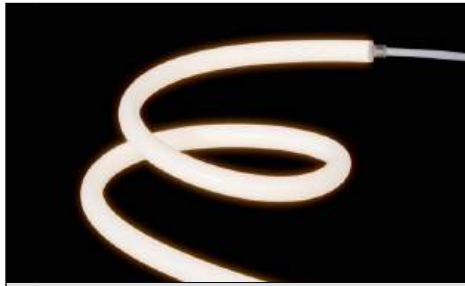
CCT	Lumen Output	
	LIN	LIN4
2400K	149 Lm/ft.	409 Lm/ft.
2700K	153 Lm/ft.	418 Lm/ft.
3000K	153 Lm/ft.	430 Lm/ft.
3500K	168 Lm/ft.	443 Lm/ft.
4000K	166 Lm/ft.	452 Lm/ft.
Wattage	3.2W/ft.	5.1W/ft.
Max Run	32.8 ft.	16.4 ft.
CRI	90+	
Wire Entry	-Straight -Side -Bottom *Field Connector Options Available	
IP Rating	Factory Assembled (IP67) Field Termination (IP65)	
Cut Points	Free cut	





MINI 3D

CCT	Lumen Output	
	LIN	
2400K	72 Lm/ft.	
2700K	75 Lm/ft.	
3000K	81 Lm/ft.	
3500K	79 Lm/ft.	
4000K	73 Lm/ft.	
Wattage	1.5W/ft.	
Max Run	32.8 ft.	
CRI	90+	
Wire Entry	-Straight -Side -Bottom *Soldered lead wire only	
IP Rating	Factory Assembled (IP67) Field Termination (IP65)	
Cut Points	Free cut	



TUBE 360

CCT	Lumen Output	
	LIN	
2400K	239 Lm/ft.	
2700K	247 Lm/ft.	
3000K	250 Lm/ft.	
3500K	254 Lm/ft.	
4000K	260 Lm/ft.	
Wattage	3.7W/ft.	
Max Run	16.4 ft.	
CRI	90+	
Wire Entry	-Straight *Soldered lead wire only	
IP Rating	Factory Assembled (IP67) Field Termination (IP65)	
Cut Points	Free cut	



MICRO SIDE

CCT	Lumen Output	
	LIN	
2400K	65 Lm/ft.	
2700K	66 Lm/ft.	
3000K	72 Lm/ft.	
3500K	72 Lm/ft.	
4000K	69 Lm/ft.	
Wattage	1.5W/ft.	
Max Run	16.4 ft.	
CRI	90+	
Wire Entry	-Straight *Soldered lead wire only	
IP Rating	Factory Assembled (IP65) Field Adjustable Termination (IP65)	
Cut Points	1 in.	

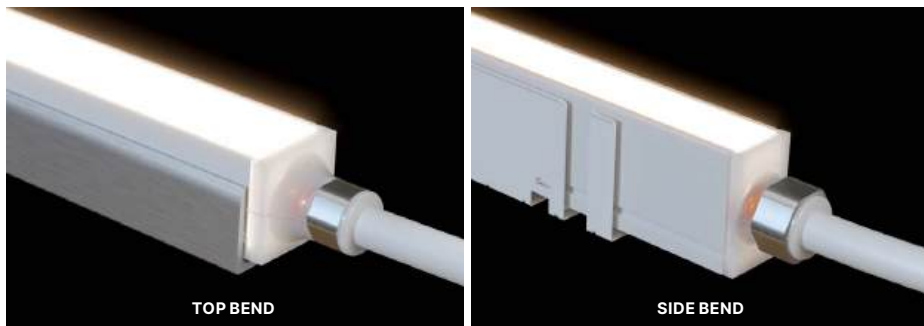


LINAIRE® FLEX

LED LINEAR LIGHTING

Flexible architectural light to fit any space. Water resistant with precision light quality and complete diffusion for a dotless look.

Product Note: Spools have an IP67 rating; when trimmed and recapped in the field, the rating becomes IP65.



FEATURES & BENEFITS

- Top and side-bending architectural fixtures with no visible dots
- Water resistant for indoor and outdoor use
- Field cuttable, free-cut assembly (IP65)
- Factory assembly (IP67)

QUICK SPECS

Voltage	24VDC
CRI	90+
Warranty	5 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65/IP67)
Certification	UL Listed 2108

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

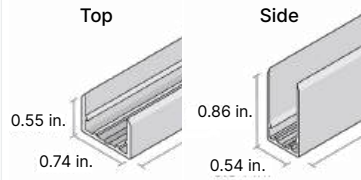
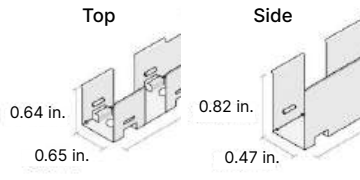
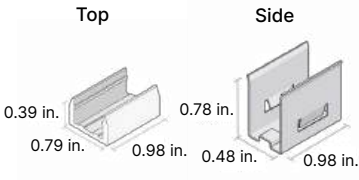
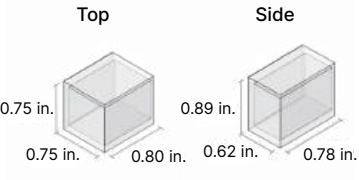
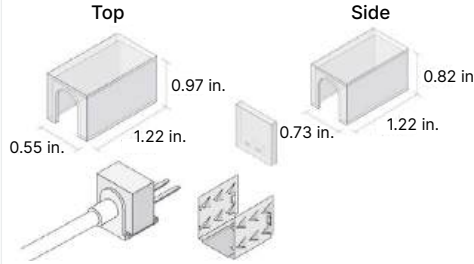
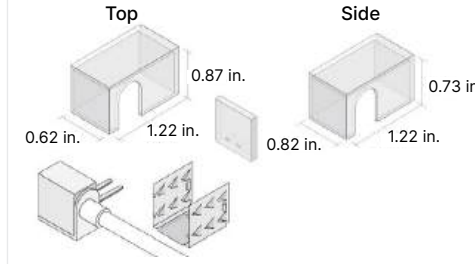
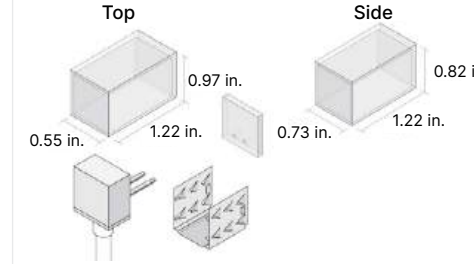


SPECIFICATIONS & SKU BUILDER

DI	VOLTAGE	BEND STYLE	MODEL	CCT	LENGTH
DI	24V (24VDC)	SE (Side Bend)	LIN	24 (2400K)	032 (32.8 ft.–3.2W)
			LIN2	27 (2700K)	016 (16.4 ft.–5.1W)
		TE (Top Bend)	LIN	30 (3000K)	032 (32.8 ft.–3.2W)
			LIN3	35 (3500K)	016 (16.4 ft.–5.1W)
				40 (4000K)	

EXAMPLE: LINAIRE FLEX, 24V, TOP BEND, 2400K, 32.8 FT. SPOOL = **DI-24V-TE-LIN-24-032**

24VDC					
SIDE BEND			TOP BEND		
LIN		LIN2	LIN		LIN3
Max. Run: 32.8 ft.		Max. Run: 16.4 ft.	Max. Run: 32.8 ft.		Max. Run: 16.4 ft.
Cut Points: Free Cut		Cut Points: Free Cut	Cut Points: Free Cut		Cut Points: Free Cut
Wattage: 2.6W/ft.		Wattage: 4.57W/ft.	Wattage: 2.6W/ft.		Wattage: 4.57W/ft.
CCT		Lumens/ft.	Lumens/ft.		
2400K	72	190	112	333	
2700K	75	194	115	340	
3000K	76	200	116	350	
3500K	82	206	122	361	
4000K	81	210	121	368	

ACCESSORIES							
 DI-LIN-TE-MTCH-39 Mounting Channel		 DI-LIN-SE-MTCH-39 Spine Channel		 DI-LIN-TE-MTLC-2 Mounting Clip		 DI-LIN-TE-DEC End Cap	
 DI-LIN-TE-STFC Field Connector, Straight		 DI-LIN-TE-SDFC Field Connector, Side		 DI-LIN-TE-BFC Field Connector, Bottom			

Visit DiodeLED.com for additional connectors and accessories.

LINAIRE® FLEX 3D BEND LED LINEAR LIGHTING

STANDARD

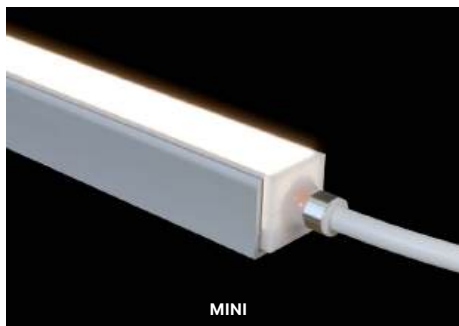
MINI

Flexible architectural light that bends in all directions to fit any space. Water resistant with precision light quality and complete diffusion for a dotless look.

Product Note: Spools have an IP67 rating; when trimmed and recapped in the field, the rating becomes IP65.



STANDARD



MINI

24
VDC

90+
CRI

IP65

IP67

FEATURES & BENEFITS

- Bends in both directions (top and side) for maximum versatility
- Flexible fixture with no visible dots
- Water resistant for indoor and outdoor use
- Field cuttable, free-cut termination (IP65)
- Factory assembly (IP67)

QUICK SPECS

Voltage	24VDC
CRI	90+
Warranty	5 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65/IP67)
Certification	UL Listed 2108

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

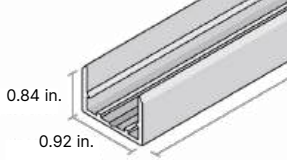
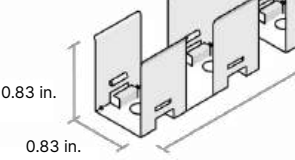
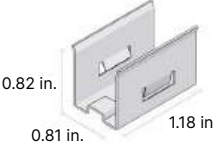
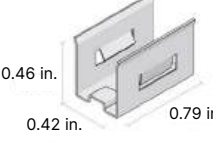
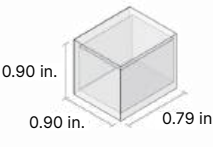
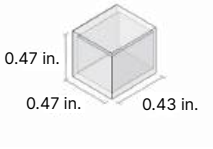


SPECIFICATIONS & SKU BUILDER

DI	VOLTAGE	BEND STYLE	MODEL	CCT	LENGTH
DI	24V (24VDC)	3D (3D Bend)	LIN	24 (2400K)	032 (32.8 ft.-3.2W)
			LIN4	27 (2700K)	016 (16.4 ft.-5.1W)
		M3D (Mini 3D Bend)	LIN	30 (3000K)	032 (32.8 ft.-3.2W)
				35 (3500K)	
				40 (4000K)	

EXAMPLE: LINAIRE FLEX, 24V, 3D BEND, 2400K, 32.8 FT. SPOOL = **DI-24V-3D-LIN-24-032**

24VDC				
3D BEND			MINI 3D BEND	
LIN		LIN4	LIN	
Max. Run: 32.8 ft.		Max. Run: 16.4 ft.	Max. Run: 32.8 ft.	
Cut Points: Free Cut		Cut Points: Free Cut	Cut Points: Free Cut	
Wattage: 3.2W/ft.		Wattage: 5.1W/ft.	Wattage: 1.5W/ft.	
CCT	Lumens/ft.	Lumens/ft.	Lumens/ft.	
2400K	149	409	72	
2700K	153	418	75	
3000K	153	430	81	
3500K	168	443	79	
4000K	166	452	73	

ACCESSORIES			
Mounting Channel  0.84 in. 0.92 in. DI-LIN-3D-MTCH-39		Spine Channel  0.83 in. 0.83 in. DI-LIN-3D-MTCH-39	
Standard  0.82 in. 0.81 in. 1.18 in. DI-LIN-3D-MTCL-2	Mini  0.46 in. 0.42 in. 0.79 in. DI-LIN-M3D-MTCL-2	Standard  0.90 in. 0.90 in. 0.79 in. DI-LIN-3D-DEC	Mini  0.47 in. 0.47 in. 0.43 in. DI-LIN-M3D-DEC
Mounting Clip		End Cap	

Visit DiodeLED.com for additional connectors and accessories.

LINAIRE® FLEX TUBE 360

LED LINEAR LIGHTING

Round, flexible architectural light that bends and emits light in all directions. Water resistant with precision light quality and complete diffusion for a dotless look.

Product Note: Spools have an IP67 rating; when trimmed and recapped in the field, the rating becomes IP65.



FEATURES & BENEFITS

- Bends in all directions for maximum versatility
- Flexible, durable fixture with no visible dots
- Water resistant for indoor and outdoor use
- Emits light in all directions
- Field cuttable, free-cut termination (IP65)
- Factory assembly (IP67)

QUICK SPECS

Voltage	24VDC
CRI	90+
Warranty	5 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65/IP67)
Certification	UL Listed 2108

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.



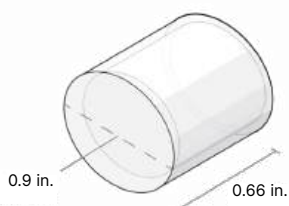
SPECIFICATIONS & SKU BUILDER

DI	—	VOLTAGE	—	BEND STYLE	—	MODEL	—	CCT	—	LENGTH
DI	—	24V (24VDC)		360 (360 Bend)		LIN		24 (2400K)		016 (16.4 ft.-3.7W)
								27 (2700K)		
								30 (3000K)		
								35 (3500K)		
								40 (4000K)		

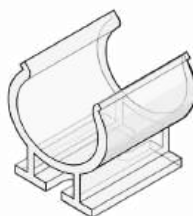
EXAMPLE: LINAIRE FLEX, 24V, 360, 2400K, 16.4 FT. SPOOL = **DI-24V-360-LIN-24-016**

24VDC	
360 Bend	
LIN	
Max. Run: 16.4 ft.	
Cut Points: Free Cut	
Wattage: 3.7W/ft.	
CCT	Lumens/ft.
2400K	239
2700K	247
3000K	250
3500K	254
4000K	260

ACCESSORIES



DI-LIN-360-FEC
Field End Cap



DI-LIN-360-MTCL-2
Mounting Clip



DI-LIN-360-MTBR-2
Mounting Bracket

Visit DiodeLED.com for additional connectors and accessories.

LINAIRE® FLEX MICRO SIDE BEND LED LINEAR LIGHTING

Diminutive side-bending architectural light for accents, millwork, and tight spaces. Water resistant with precision light quality and complete diffusion for a dotless look.

Product Note: Spools come with an IP65 rating.



FEATURES & BENEFITS

- Side-bending for curved architectural details
- A minimal fixture with no visible dots
- Water resistant for indoor and outdoor use
- Field adjustable termination (IP65)
- Factory assembly (IP65)

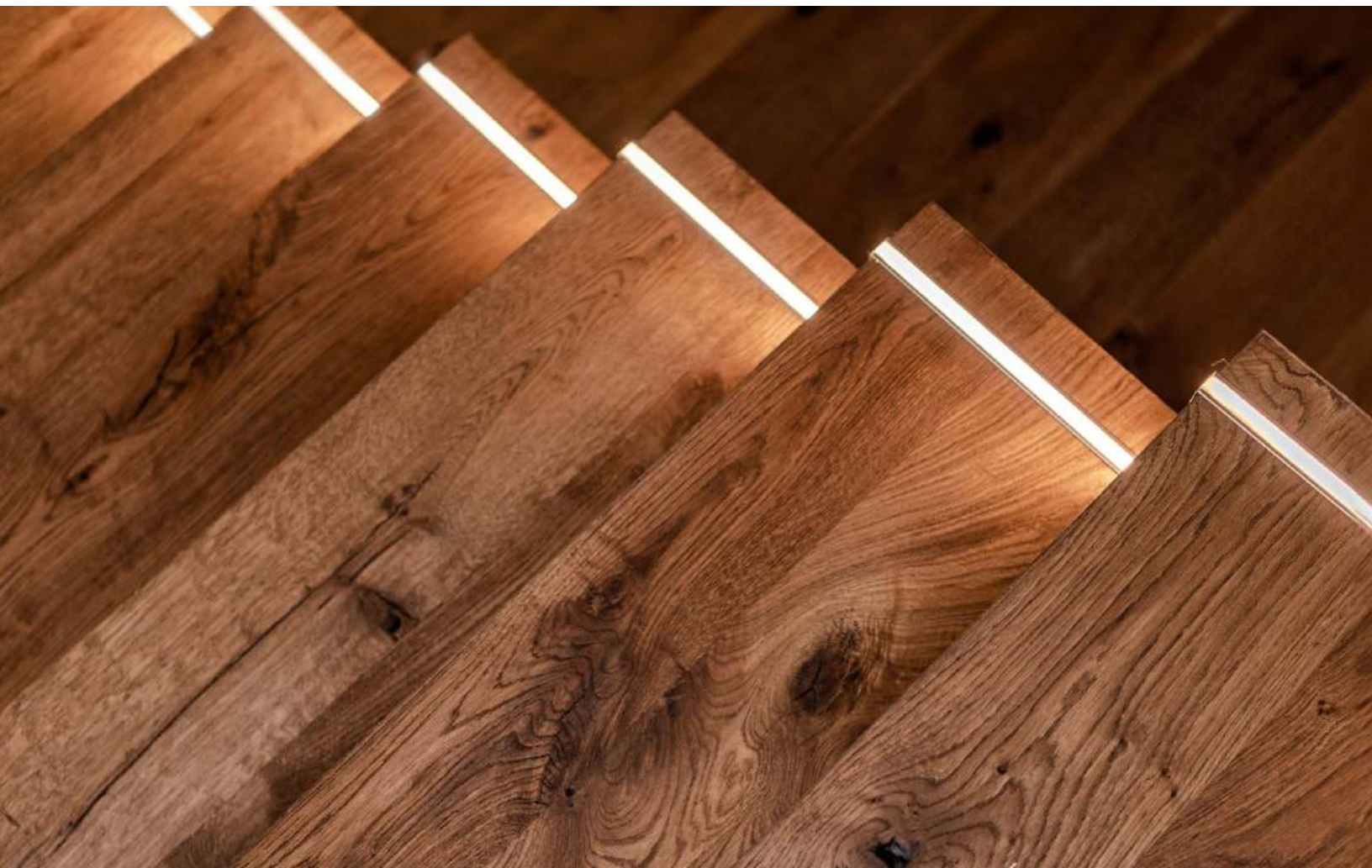
QUICK SPECS

Voltage	24VDC
CRI	90+
Warranty	5 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed 2108

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

24
VDC

90+
CRI

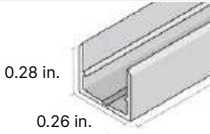
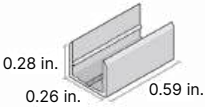
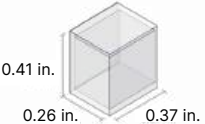


SPECIFICATIONS & SKU BUILDER

DI	—	VOLTAGE	—	BEND STYLE	—	MODEL	—	CCT	—	LENGTH
DI	—	24V (24VDC)		MSE (Micro Side Bend)		LIN		24 (2400K)		016 (16.4 ft.–1.9W)
								27 (2700K)		
								30 (3000K)		
								35 (3500K)		
								40 (4000K)		

EXAMPLE: LINAIRE FLEX, 24V, MICRO SIDE BEND, 2400K, 16.4 FT. SPOOL = **DI-24V-MSE-LIN-24-016**

24VDC	
MICRO SIDE BEND	
LIN	
Max. Run: 16.4 ft.	
Cut Points: 1 in.	
Wattage: 1.9W/ft.	
CCT	Lumens/ft.
2400K	65
2700K	66
3000K	72
3500K	72
4000K	69

ACCESSORIES		
 0.28 in. 0.26 in. DI-LIN-MSE-MTCH-39 Mounting Channel	 0.28 in. 0.26 in. 0.59 in. DI-LIN-MSE-MTCL-2 Mounting Clip	 0.41 in. 0.26 in. 0.37 in. DI-LIN-MSE-EC End Cap

Visit DiodeLED.com for additional connectors and accessories.

ALPHATECH® X LINEAR LED LIGHTING

Flexible and fully-diffused linear LED lighting for both indoor and outdoor use. Made in America with foreign parts, AlphaTECH® X provides consistently beautiful light even in challenging environments such as direct sunlight, wet locations, saunas, and when submerged in fountains and swimming pools. Choose from top-bending or side-bending options to create seamless end-to-end runs and bring light wherever needed.



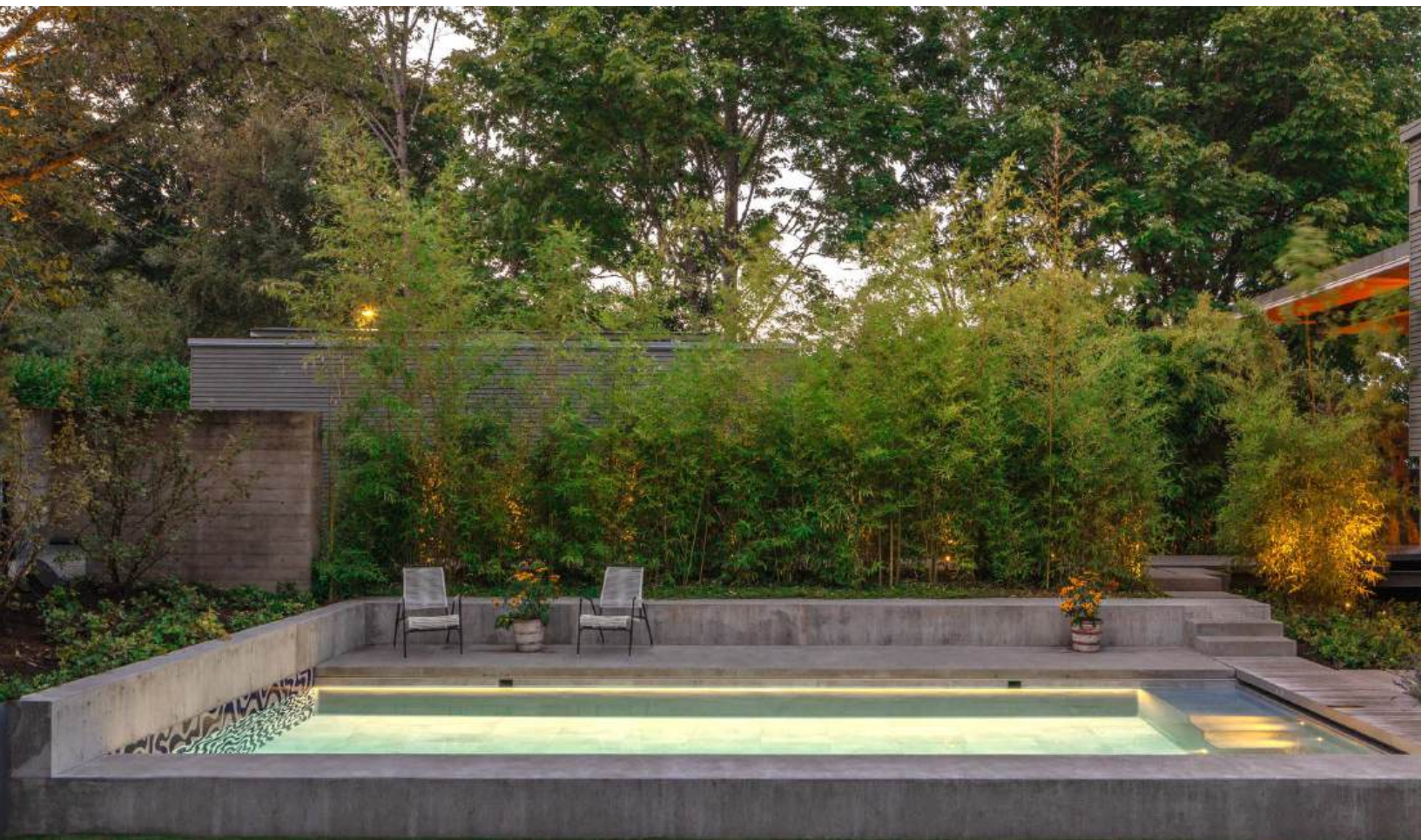
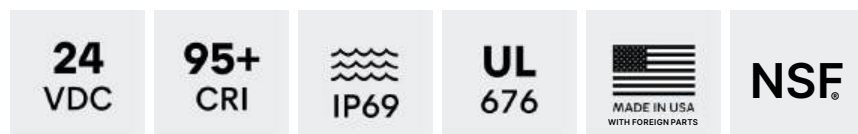
FEATURES & BENEFITS

- Seamless end-to-end mounting for limitless linear runs
- Top and side-bending options with multiple output levels
- Factory built to custom lengths, 240 in. maximum

QUICK SPECS

Voltage	24VDC
Width	0.62 in.
CRI	95+
Warranty	5 Year Limited: General Lighting 2 Year Limited: Deep Cold 1 Year Limited: Sauna
Dimming	Dimmable
Environment	Outdoor/Submersible (IP69)
Certification	UL Listed 2108, UL676, NSF

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.



SPECIFICATIONS & SKU BUILDER

DI	VOLTAGE	BEND STYLE	MODEL	LM/FT	CCT
DI	24V (24VDC)	SE (Side Bend) TE (Top Bend)	ATX	100 (Top Bend, RGBW Only) 130 (Top Bend Only) 250 (Side Bend Only) 400 (Top Bend Only)	24 (2400K) 27 (2700K) 30 (3000K) 35 (3500K) 40 (4000K)

Contact Customer Support for purchasing details: 877.817.6028

24VDC				
100 LUMEN RANGE		130 LUMEN RANGE		250 LUMEN RANGE
TOP BEND		TOP BEND		SIDE BEND
Max. Run: 16 ft. Wattage: 6.1W/ft.		Max. Run (Seamless Interconnection): 55 ft. Max. Run (Single Piece): 20 ft. Wattage: 1.8W/ft.		Max. Run (Seamless Interconnection): 20 ft. Max. Run (Single Piece): 16 ft. Wattage: 5.6W/ft.
400 LUMEN RANGE				TOP BEND
				Max. Run (Seamless Interconnection): 30 ft. Max. Run (Single Piece): 20 ft. Wattage: 4.6W/ft.
CCT	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.
2400K	–	141	261	380
2700K	–	141	266	409
3000K	–	123	314	393
3500K	–	133	320	410
4000K	–	127	271	422
Red	18	–	–	–
Green	43	–	–	–
Blue	10	–	–	–
RGBW	122	–	–	–

RECOMMENDED DRIVERS

OMNIDRIVE® X See page 96
RGBW: Constant Voltage See page 100

CHANNEL PROFILES

Underwire

0.92 in.
0.77 in.

DI-ENC-WMS-MTCH-48W

Surface Mount

0.62 in.
0.77 in.

DI-TE-MTCH-PL-48

Spine

0.50 in.
0.65 in.

DI-ENC-SPINE-WH

Visit DiodeLED.com for additional connectors and accessories.

NEON BLAZE™

DIFFUSED LED LIGHTING

Diffused, neon-like LED lighting with top-bending and side-bending options. Available in static white, colors, and color-changing. Suitable for wet locations (IP65).



24
VDC

80+
CRI



STATIC
COLOR

COLOR
CHANGING

FEATURES & BENEFITS

- Fully-diffused, dotless light that mimics traditional neon
- Top and side-bending options with multiple output levels
- Flexible enough for signage or accent lighting

QUICK SPECS

Voltage	24VDC
Width	16.5mm (Top-bending) 9.4mm (Side-bending)
CRI	80+
Warranty	5 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed 2108

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.



SPECIFICATIONS & SKU BUILDER

DI	—	VOLTAGE		—	FORM		—	MODEL		—	CCT		—	LENGTH	
DI	—	24V	(24VDC)	—	SE	(Side Bending)	—	NBL1	—	27	(2700K)	—	65	(65.6 ft.–1.2W)	
					TE	(Top Bending)		NBL2		30	(3000K)		32	(32.8 ft.–2.4W)	
								NBL4		35	(3500K)		16	(16.4 ft.–4.4W)	
										42	(4200K)				
										63	(6300K)				
								BL		(Blue)					
								GL		(Amber)					
								GN		(Green)					
								PK		(Pink)					
								RD		(Red)					

EXAMPLE: 24V NEON BLAZE™ 4.4W SIDE EMITTING RED 16.4 FT. SPOOL = DI-24V-SE-NBL4-RD-16

24VDC									
SIDE BENDING					TOP BENDING				
NBL1		NBL2		NBL4	NBL1		NBL2		NBL4
Max. Run: 65.6 ft.		Max. Run: 32.8 ft.		Max. Run: 16.4 ft.	Max. Run: 65.6 ft.		Max. Run: 32.8 ft.		Max. Run: 16.4 ft.
Cut Points: 2 in.		Cut Points: 2 in.		Cut Points: 2 in.	Cut Points: 2 in.		Cut Points: 2 in.		Cut Points: 2 in.
Wattage: 1.22W/ft.		Wattage: 2.44W/ft.		Wattage: 4.4W/ft.	Wattage: 1.22W/ft.		Wattage: 2.44W/ft.		Wattage: 4.4W/ft.
CCT	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.
2700K	62	134		208	86	173		248	
3000K	65	146		198	102	219		317	
3500K	60	120		195	89	155		228	
4200K	–	120		–	–	–		–	
6300K	59	116		173	88	145		225	
Amber	6	12		18	18	30		37	
Blue	31	61		84	70	157		184	
Green	30	–		78	88	148		151	
Pink	17	37		53	39	93		110	
Red	11	21		34	31	61		64	
RGB*	20 (Max.)	–		42 (Max.)	–	–		–	

Visit DiodeLED.com for additional connectors and accessories.



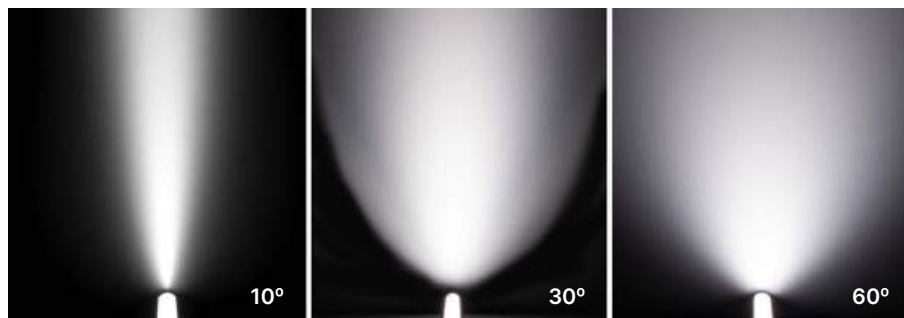


FIXTURES & DISPLAY LIGHTING

GRAZE X™

LINEAR GRAZER FIXTURE

Graze textured walls or ceilings, highlight architectural details, or make retail products shine with near-zero glare and precise beam control. GRAZE X™ uses patented X-TIR™ Linear Optics Technology to create 10°, 30°, or 60° beam angles in a compact, easy-to-conceal form factor.



24
VDC

95+
CRI

FEATURES & BENEFITS

- Patented, crisp optical performance with 10°, 30°, and 60° beam angles
- Low-glare technology
- Built to length for daisy-chain capable linear runs
- CRI, hue, and gamut matched to VALENT® X tape light

QUICK SPECS

Voltage	24VDC
CRI	95+
Warranty	12 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Damp Location (IP20)
Certification	UL Listed 2108

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.



SPECIFICATIONS & SKU BUILDER

DI	VOLTAGE	MODEL	SERIES	CCT	FINISH
DI	24V (24VDC)	GRZX10	300	24 (2400K)	AL (Aluminum)
		GRZX30	500	27 (2700K)	WH (White)
		GRZX60	800	30 (3000K)	BL (Black)
				35 (3500K)	
				40 (4000K)	
				50 (5000K)	
				63 (6300K)	

Contact Customer Support for purchasing details: 877.817.6028

*RGBW is only offered in the GRZX 300 series.

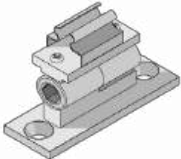
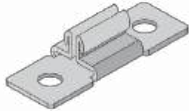
RGBW*

Available CCTs					2400K	2700K	3000K	3500K	4000K	5000K	6300K	RGBW
24VDC												
GRAZE X™ 300 LIGHT SPECIFICATIONS												
Max. Run: 41 ft.				Wattage: 2.8W/ft.				Peak Center Beam Candle Power: 979 cd				
10° Beam				30° Beam				60° Beam				
Foot-Candles	Foot-Candles			Foot-Candles			Foot-Candles			Foot-Candles		
1/5/10/15	979/40/10/4			552/22/6/2			264/11/3/1					

GRAZE X™ 500 LIGHT SPECIFICATIONS												
Max. Run: 30 ft.				Wattage: 4.6W/ft.				Peak Center Beam Candle Power: 1625 cd				
10° Beam				30° Beam				60° Beam				
Foot-Candles	Foot-Candles			Foot-Candles			Foot-Candles			Foot-Candles		
1/5/10/15	1625/65/16/7			972/39/10/4			468/19/5/2					

GRAZE X™ 800 LIGHT SPECIFICATIONS												
Max. Run: 19 ft.				Wattage: 7.2W/ft.				Peak Center Beam Candle Power: 2342 cd				
10° Beam				30° Beam				60° Beam				
Foot-Candles	Foot-Candles			Foot-Candles			Foot-Candles			Foot-Candles		
1/5/10/15	2342/94/23/10			1358/54/14/6			705/28/7/3					

GRAZE X™ RGBW LIGHT SPECIFICATIONS												
Max. Run: 16 ft.				Wattage: 6.1W/ft.				Peak Center Beam Candle Power: 1249 cd				
10° Beam				30° Beam				60° Beam				
Foot-Candles	Foot-Candles			Foot-Candles			Foot-Candles			Foot-Candles		
1/5/10/15	1249/50/13/6			428/17/4/2			239/10/2/1					

ACCESSORIES												
 DI-CPCH-AB1-BA Aiming Bracket						 DI-CPMC2-SCR4 Mounting Clip						

Visit DiodeLED.com for additional connectors and accessories.

OBD™ FLEX OPTICS LED LINEAR LIGHTING

Achieve professional-level grazing and wall-washing effects in a flexible, wet-location fixture. With a field-cutable IP65 solution that offers a full suite of easy-to-use mounting and connecting options, your fixture will fit your space, not the other way around.



24
VDC

90+
CRI

TITLE
24

FEATURES & BENEFITS

- Flexible 20° and asymmetric lens options
- Top-bending flexible wall washer
- Field-cutable
- IP65 for outdoor applications

QUICK SPECS

Voltage	24VDC
CRI	90+
Warranty	5 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed 2108

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

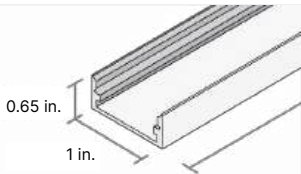
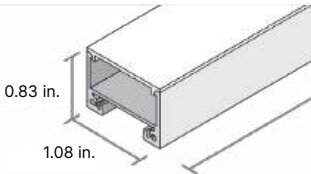
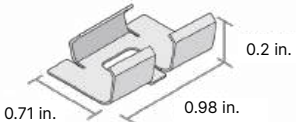
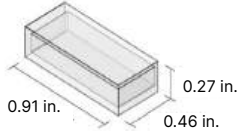


SPECIFICATIONS & SKU BUILDER

DI	VOLTAGE	MODEL	CCT	Beam Angle	Length
DI	24V (24VDC)	OBD4	27 (2700K)	20 (20° Beam Angle)	016 (16.4 ft.)
		OBD6	30 (3000K)	AS (Asymmetrical Beam Angle)	
			35 (3500K)		
			40 (4000K)		

EXAMPLE: 24V OBD™ FLEX OPTICS, 400 LUMENS, 2700K, 20° BEAM ANGLE, 16.4 FT. SPOOL = DI-24V-OBD4-27K-20-016

120VAC				
	24V-OBD4-20	24V-OBD4-AS	24V-OBD6-20	24V-OBD6-AS
	Max Run: 17.5 ft. Wattage: 5.5W/ft.	Max Run: 17.5 ft. Wattage: 5.5W/ft.	Max Run: 14 ft. Wattage: 7.6W/ft.	Max Run: 14 ft. Wattage: 7.6W/ft.
CCT	Lumens	Lumens	Lumens	Lumens
2700K	465 Lm/ft.	405 Lm/ft.	665 Lm/ft.	603 Lm/ft.
3000K	488 Lm/ft.	414 Lm/ft.	683 Lm/ft.	615 Lm/ft.
3500K	505 Lm/ft.	435 Lm/ft.	695 Lm/ft.	633 Lm/ft.
4000K	560 Lm/ft.	460 Lm/ft.	705 Lm/ft.	645 Lm/ft.

ACCESSORIES	
Low Profile Channel  DI-OBD-MTCH-39	Mounting Channel & Clear Lens  DI-OBD-MTCH-CL-39
 DI-OBD-MTCL-2 Mounting Clip	 DI-OBD-EC-5 End Cap

Visit DiodeLED.com for additional connectors and accessories.

COVE LED FIXTURE

This direct-line 120V cove lighting system features an integrated CCT selector for five color options. It is easy to install with end-to-end interconnects, fully diffused, and dimmable.



**120
VAC**

**90+
CRI**

**TITLE
24**

FEATURES & BENEFITS

- Link multiple fixtures for long runs
- Diffused lighting with no hot spots
- TRIAC and ELV dimming down to 5%
- Concealed self-contained mounting

QUICK SPECS

Voltage	120VAC
CRI	90+
Warranty	5 Year Limited Warranty
Dimming	TRIAC and ELV Dimming
Environment	Indoor/Damp Location (IP20)
Certification	ETL Certified

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

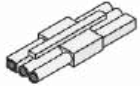
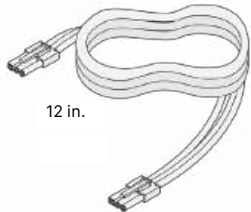
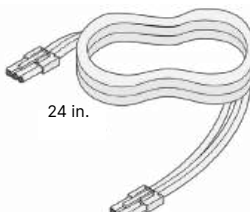
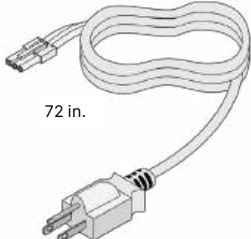
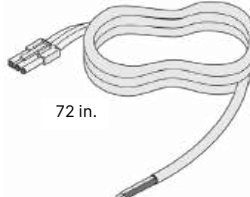


SPECIFICATIONS & SKU BUILDER

DI	—	VOLTAGE	—	MODEL	—	LENGTH	—	COLOR	COVE CCT NOTE
DI	—	120V (120VAC)	—	COVE	—	12 (12 in.) 18 (18 in.) 24 (24 in.) 32 (32 in.)	—	WH	*CCTs are field selectable. Each COVE has the ability to utilize all CCT options.

EXAMPLE: 120V COVE 12 IN. FIXTURE = DI-120V-COVE-12-WH

120VAC				
COVE-12 Length: 12 in. Wattage: 7W/fixture		COVE-18 Length: 18 in. Wattage: 10W/fixture		COVE-24 Length: 24 in. Wattage: 13.5W/fixture
CCT		Lumens		Lumens
2700K	536	747	958	1201
3000K	560	777	986	1228
3500K	575	811	1042	1273
4000K	581	811	1052	1292
5000K	564	783	1017	1255

ACCESSORIES			
Junction Box  DI-COVE-HW-JBOX		End-to-End Connector  DI-COVE-ECONN-WH	
 12 in. DI-COVE-EXT-12-WH 12 in. Jumper Cable	 24 in. DI-COVE-EXT-24-WH 24 in. Jumper Cable	 72 in. DI-COVE-ACPWR-72-WH 72 in. AC Power Plug	 72 in. DI-COVE-HWSPL-72-WH 72 in. Splice Connector

Visit DiodeLED.com for additional connectors and accessories.

SABER® UNDER CABINET LED FIXTURE

Easy-to-install 120V fixtures for under cabinet and task lighting. Field switchable between five built-in CCT options.



120
VAC

90+
CRI

TITLE
24

FEATURES & BENEFITS

- Link multiple fixtures for long runs
- Diffused lighting with no hot spots
- TRIAC and ELV dimming down to 5%
- Concealed self-contained mounting

QUICK SPECS

Voltage	120VAC
CRI	90+
Warranty	5 Year Limited Warranty
Dimming	TRIAC and ELV Dimming
Environment	Indoor/Damp Location (IP20)
Certification	ETL Certified

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

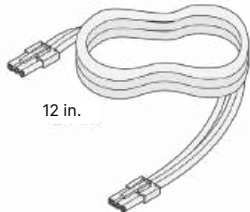
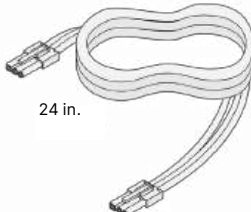
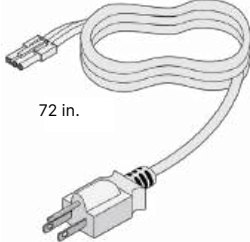
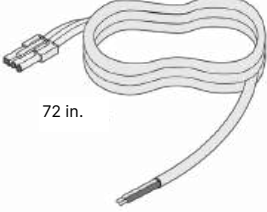


SPECIFICATIONS & SKU BUILDER

DI	VOLTAGE	MODEL	LENGTH	COVE CCT NOTE	ALL CCTs*
DI	120V (120VAC)	COVE	08 (8 in.) 14 (14 in.) 22 (22 in.) 33 (33 in.)	*CCTs are field selectable. Each SABER has the ability to utilize all CCT options.	27 (2700K) 30 (3000K) 35 (3500K) 40 (4000K) 50 (5000K)

EXAMPLE: 120V SABER 8 IN. FIXTURE = DI-120V-SABER-08

120VAC				
SABER-08 Length: 8 in. Wattage: 5W/fixture		SABER-14 Length: 14 in. Wattage: 9W/fixture		SABER-22 Length: 22 in. Wattage: 11W/fixture
CCT	Lumens	Lumens	Lumens	Lumens
2700K	256	498	624	876
3000K	265	516	637	890
3500K	270	516	628	867
4000K	279	541	667	942
5000K	280	547	672	954

ACCESSORIES			
Junction Box		End-to-End Connector	
DI-SABER-HW-JBOX		DI-SABER-ECONN-WH	
			
DI-SABER-EXT-12-WH 12 in. Jumper Cable	DI-SABER-EXT-24-WH 24 in. Jumper Cable	DI-SABER-ACPWR-72-WH 72 in. AC Power Plug	DI-SABER-HWSPL-72-WH 72 in. Splice Connector

LIGHTING MODULES

READY TO SHIP & EASY TO INSTALL

SPOTMOD® PUCK | FIXTURE

Compact, dimmable LED fixture that integrates seamlessly into cabinetry, drywall, displays, and more. Suitable for indoor locations.

			CCT			90+ CRI	TITLE 24		
			Lumens						
Black	Aluminum	White	2700K	3000K	4000K				
			215	220	235				
			DI	—	Voltage	—	Model	—	Finish
			DI	—	12V	—	PUCK	—	AL (Aluminum)
			CCT			WH (White)			
			27 (2700K)			BL (Black)			
			30 (3000K)						
			40 (4000K)						

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

EXAMPLE: DI-12V-PUCK-27-WH

TRIANΤ® 2 | PUCK LIGHT 12/24V

The TRIANΤ® 2 LED Puck Lights operate on a dual 12/24V platform for task and accent lighting in a small fixture.

			CCT		3000K		5000K		90+ CRI			
			Lumens		12V: 361 24V: 392		12V: 370 24V: 399					
			DI	—	Voltage	—	Model	—		CCT	—	Finish
			DI	—	1224V	—	TRNT2	—		30 (3000K)	—	AL (Aluminum)
							50 (5000K)		WH (White)			
									BL (Black)			

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

EXAMPLE: DI-1224V-TRNT2-30-WH

SPOTMOD® 2 RECESSED GIMBAL | FIXTURE

A compact and dimmable indoor/outdoor LED fixture integrates seamlessly into cabinetry, patios, gardens, shelving, and more.



CCT		3000K		90+ CRI				
Lumens		174						
DI	—	Voltage	—	Model	—	CCT	—	Finish
DI	—	12V	—	TRNT2	—	30 (3000K)	—	AL (Aluminum)
						50 (5000K)		

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

EXAMPLE: DI-12V-SPOT-RG2-30-32-BA

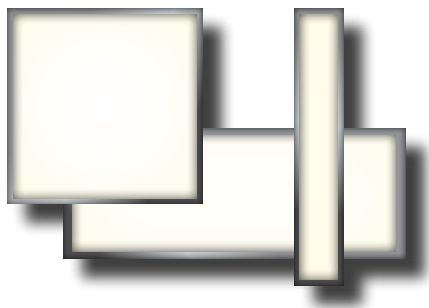


LIGHT GUIDE PANELS DISPLAY LIGHTING

Diode LED Light Guide Panels provide even, diffused light for backlighting and displays. Built-to-order in Reno, Nevada, we can accommodate your preferred specifications and dimensions. Thin, fully customizable luminous panels are ideal for lighting displays, graphics, walls, countertops, and other glowing surfaces.

Light Guide Panels can be used to illuminate:

- Cosmetics
- Product Displays
- Wall Art
- Retail Displays
- Advertisement
- Signage
- Backlit Surfaces



12
VDC

24
VDC



FEATURES & BENEFITS

- Even illumination from a thin, diffused panel
- Static white colors, RGBW, and tunable white
- Built-to-order in any size up to 54×94 in.
- Multiple panels can be tiled for large surfaces
- Precision-made to your custom specifications

QUICK SPECS

Voltage	12VDC & 24VDC
Warranty	5 Year Limited Warranty
Dimming	Dimmable
Environment	Indoor/Dry Location
Certification	UL Listed 48

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.



Credit: GHT

SPECIFICATIONS & SKU BUILDER

DI	VOLTAGE		MODEL	CCT				EDGES LIT		SIZE
DI	12V	(12VDC)	LGP4	24	(2400K)	50	(5000K)	1	(One Edge)	Square
	24V	(24VDC)		27	(2700K)	65	(6500K)	2	(Two Edges)	Rectangle
				30	(3000K)	TW	(Tunable White)	4	(Four Edges)	Circle
				35	(3500K)	RGB				Trapezoid
				40	(4000K)	RGBW				Diamond

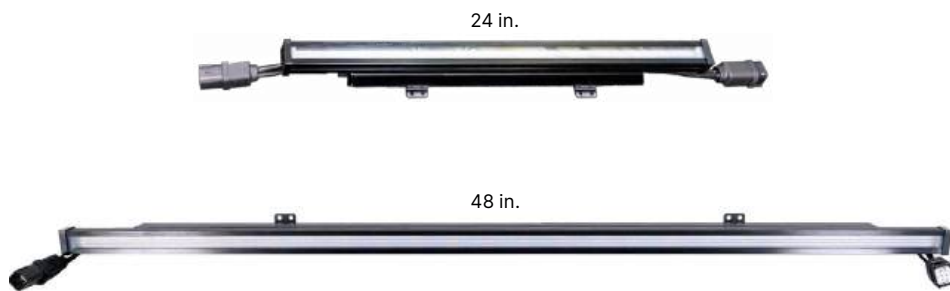
Contact Customer Support for purchasing details: 877.817.6028

Available CCTs		 2400K	 2700K	 3000K	 3500K	 4000K	 5000K	 6500K	 Tunable White	 RGB(W)
LIGHT GUIDE PANEL OPTIONS										
DIFFUSION	FRAMES	CRI		EDGES LIT		MAX. SIZE		CUSTOM SHAPES		
Diffused or Clear	White or Frameless	80+/90+		One Edge		54×94 in.		Square		
				Two Edges				Rectangle		
				Four Edges				Circle		
				Trapezoid						
				Diamond						



BROADWAVE® LED WALL WASHER

The BROADWAVE® LED Wall Washer brings dynamic architectural lighting to both indoors and outdoors. This lighting solution delivers RGBW full-color illumination up to 4 stories and daisy chains up to 30 fixtures for small to medium-sized lighting applications to light up architectural accents and surface features.



120
VAC

80+
CRI



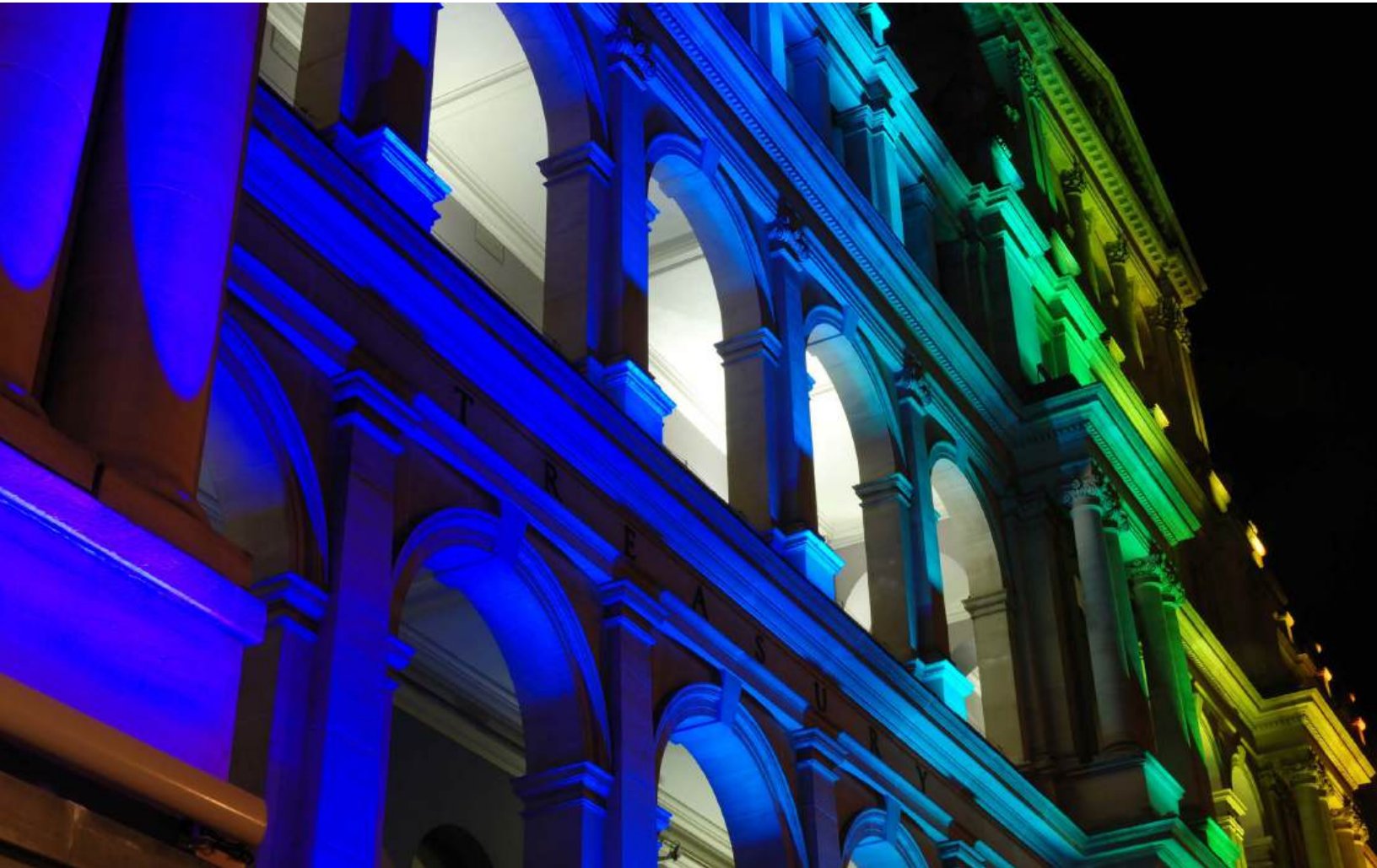
FEATURES & BENEFITS

- Extruded aluminum body & tempered glass
- IP65 for outdoor and wet location
- 150° rotary angle
- Wall and ceiling mountable
- DMX 512 controllable

QUICK SPECS

Voltage	120VAC
CRI	80+
Warranty	5 Year Limited Warranty
Dimming	Dimmable
Environment	Outdoor/Wet Location (IP65)
Certification	UL Listed

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.



SPECIFICATIONS & SKU BUILDER

DI	—	VOLTAGE	—	MODEL	—	SERIES	—	COLOR	—	LENGTH	FINISH
DI	—	120V (120VAC)	—	BW	—	WW	—	RGBW	—	2F (2 ft.) 4F (4 ft.)	BL (Black)

EXAMPLE: 120V BROADWAVE 4 FT. FIXTURE = DI-120V-BW-WW-RGBW-4F-BL

120VAC		
	BW-2F Length: 2 ft. Wattage: 12W/fixture	BW-4F Length: 4 ft. Wattage: 25W/fixture
CCT	Lumens	Lumens
RGBW	540	1125
4000K	279	541

ACCESSORIES			
Hinge Brackets  DI-BW-WW-RGBW-BRKT-BL	Termination Cap  DI-BW-WW-RGBW-TERM-BL		
 DI-BW-WW-RGBW-INPUT-BL Input Cord	 1 ft. DI-BW-WW-RGBW-1EXT-BL Extension Cord	 6 ft. DI-BW-WW-RGBW-6EXT-BL Extension Cord	 15 ft. DI-BW-WW-RGBW-15EXT-BL Extension Cord

Visit DiodeLED.com for additional connectors and accessories.

SCENIC PROFESSIONAL LIGHTING SOLUTIONS

Diode LED Delivers Your Scenic Essentials

Our line of dynamic lighting supports industry professionals seeking solutions that are ready to ship and easy to install.

Have a question? Get in touch with a sales person and let us help you on your next project.

scenic@DiodeLED.com

877.817.6028

LIGHTING

Color-Changing
Tunable White Light
Flexible Diffused Light
Pixel Chasing Light
Light Sheets
Wall Washer

CONTROLS

DMX Decoders
Controllers

POWER & ACCESSORIES

LED Drivers
Connectors



Scenic covers the following and more...

- Film Production
- TV and Broadcast
- Exhibit and Tradeshows
- Experiential and Live Events
- House of Worship
- Casino and Gaming







CONTROL SYSTEMS, SWITCHES, & DIMMERS

DMX SWITCHES & DIMMERS

DMX DECODER



When used with our DMX Splitter, there is virtually no limit to the number of color-changing LED tape lights or fixtures for your installation.

FEATURES AND BENIFITS

- Compatible with DMX controls
- Easy-to-use Digital Display (no dip-switches)
- Connect multiple units in series with standard CAT5 cable
- UL Recognized Component
- 5 Year Limited Warranty

	INPUT	OUTPUT	MAX LOAD	ENVIROMENT	DIMENSIONS	SKU
4 CHANNEL	24V	24V	192W	Indoor/Damp Location	6.50×2.40×1.24 in.	DI-1810
	12V	12V	96W			
5 CHANNEL	24V	24V	192W	Indoor/Damp Location	6.46×2.90×1.54 in.	DI-DMX-DEC-5
	12V	12V	96W			

Visit DiodeLED.com for more details.

DMX DECODER BUILT IN DRIVER



Expand your DMX control systems to a low-voltage tape light with the DMX Decoder and built-in driver. A DMX controller with an integrated power supply simplifies DMX installations with fewer components and streamlined compatibility.

FEATURES AND BENIFITS

- Terminal connections
- Integrated DMX 512 decoder
- Commercial and residential applications
- 5 Year Limited Warranty

INPUT	OUTPUT	MAX LOAD	ENVIROMENT	DIMENSIONS	SKU
120V-277VAC	24V	96W	Indoor/Damp Location	9.00×2.50×1.30 in.	DI-DMX-DCO-24V96W-277 Without junction box
					DI-DMX-DCO-24V96W-277-LPL With junction box

Visit DiodeLED.com for more details.

DMX SYSTEM



DMX Wall Mount Controller



Nicolaudie STICK-DE3

Easy-to-operate wall-mounted control interface for professional, commercial, residential, and retail applications.

FEATURES AND BENIFITS

- Color-changing RGB(W)
- Single color dimming
- Three zones (Wall Mount Controller)
- Ten zones (Nicolaudie)
- iOS/Android mobile app
- Programmable

DMX SYSTEM	SKU
DMX Wall Mount Controller	DI-DMX-WIFI-WMUS-3Z-WH
Nicolaudie STICK-DE3	DI-DMX-DE3

Visit DiodeLED.com for more details.

CONTROL SYSTEMS

SWITCHES & DIMMERS

CASAMBI PWM4

For app-based control projects.



CASAMBI PMW4
CBU-PMW4

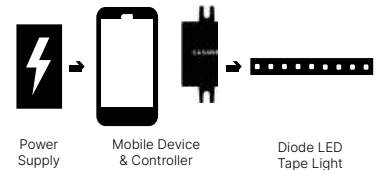
QUICK SPECS

- Home automation
- Color-changing RGB(W)
- Tunable white
- Single color dimming
- Bluetooth control
- iOS/Android mobile app
- Programmable

SKU

CBU-PMW4

CASAMBI SYSTEM



Visit DiodeLED.com for more details.

TOUCHDIAL™ CONTROL SYSTEM

For small to medium-scale applications.



RGB(W) Remote
DI-RF-REM-RGBW-4



Tunable White Remote
DI-RF-REM-TW-4

QUICK SPECS

- Color-changing RGB(W)
- Tunable white
- Single color dimming
- Control up to eight lighting zones
- Integrates with WiFi network
- iOS/Android mobile app

SKU

DI-RF-REM-RGBW-4

DI-RF-REM-TW-4

TOUCHDIAL SYSTEM



Visit DiodeLED.com for more details.



CONTROL SYSTEMS

SWITCHES & DIMMERS

INLINE LED DIMMER SWITCH



Inline LED Dimmer Switch (White)



Inline LED Dimmer Switch (Black)

SKU	WORKING VOLTAGE	MAX. LOAD	COLORS
DI-0715	12VDC-24VDC	2A	White
DI-0715-B			Black
DI-INLINE-DS-5A-W	12VDC-24VDC	5A	White
DI-INLINE-DS-5A-B			Black

Visit DiodeLED.com for more details.

This easy-to-use LED Dimmer Switch allows you to adjust the brightness of LED lights with a classic rotary knob without any flickering.

FEATURES & BENEFITS

- Good for tight installations
- White or black color options
- 12VDC and 24VDC compatible
- Use with constant voltage drivers and plug-in adapters

INLINE ON/OFF LED SWITCH



Inline On/Off LED Switch (White)



Inline On/Off LED Switch (Black)

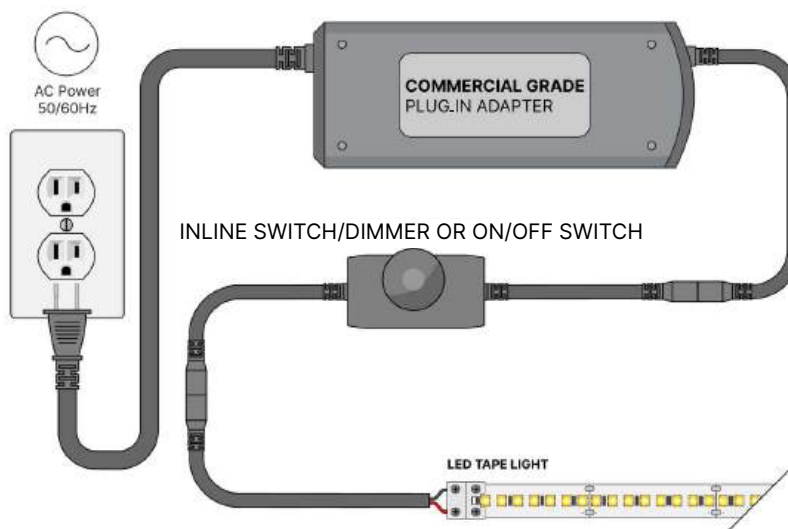
SKU	WORKING VOLTAGE	MAX. LOAD	COLORS
DI-0714	12VDC-24VDC	2A	White
DI-0714-B			Black
DI-INLINE-OS-5A-W	12VDC-24VDC	5A	White
DI-INLINE-OS-5A-B			Black

Visit DiodeLED.com for more details.

The Inline On/Off LED Switch uses a simple on/off toggle to control power flow between power and fixture.

FEATURES & BENEFITS

- Good for tight installations
- White or black color options
- 12VDC and 24VDC compatible
- Use with constant voltage drivers and plug-in adapters
- On/off only



CONTROL SYSTEMS

SWITCHES & DIMMERS

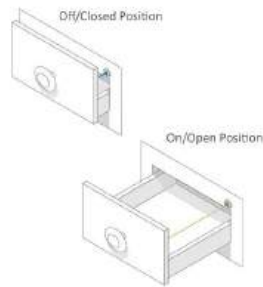
PROXIMITY SENSOR SWITCH

Perfect for cabinets and drawers, the switch is off when the sensor is obstructed and on when it is uncovered.



Proximity Sensor Switch
DI-SWTH-PRX

DIAGRAMS



SKU

DI-SWTH-PRX

WORKING VOLTAGE

12VDC-24VDC

MAX. LOAD

12VDC: 60W | 24VDC: 96W

Visit DiodeLED.com for more details.

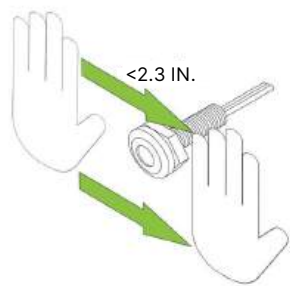
PASSIVE SENSOR SWITCH

Wave your hand over the sensor (range <2.3 in.) to activate the lighting. Wave again to deactivate the lighting.



Passive Sensor Switch
DI-SWTH-PSV

DIAGRAMS



SKU

DI-SWTH-PSV

WORKING VOLTAGE

12VDC-24VDC

MAX. LOAD

12VDC: 60W | 24VDC: 96W

Visit DiodeLED.com for more details.

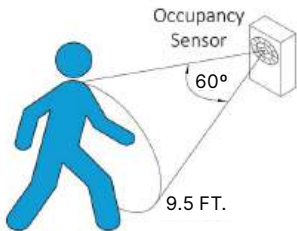
OCCUPANCY SENSOR SWITCH

An easy-to-install sensor detects motion within view of a sensor at a range of approximately 9.5 ft. On/off functionality only.



Occupancy Sensor Switch
DI-SWTH-HW-OCS

DIAGRAMS



SKU

DI-SWTH-HW-OCS

WORKING VOLTAGE

12VDC-24VDC

MAX. LOAD

12VDC: 60W | 24VDC: 96W

Visit DiodeLED.com for more details.





LED DRIVERS



Choose from any of our low-voltage power options that can support on/off, 0-10V, dim-to-dark, MLV, ELV, and more.

CONSTANT VOLTAGE (NON-DIMMING)	
PRODUCTS	FEATURES
Plug-in Adapter (page 101)	• DMX/color-changing • On/off • PWM/inline dimming

LED DRIVERS

TAPE LIGHT COMPATIBILITY GUIDE

LED DRIVERS	12V & 24V LIGHTING					
	STATIC TAPE LIGHT			LED FIXTURES	DYNAMIC/COLOR-CHANGING	
	VALENT® VALENT® X ALPHATECH® X	BLAZE™ BLAZE™ X NEON BLAZE™	STREAMLITE™	SPOTMOD® LGP TRIAN™ GRAZE X™	VALENT® Warm Dim STREAMLITE™ Warm Dim	RGB(W) & Tunable White VALENT® ALPHATECH® X NEON BLAZE™ STREAMLITE™ DAZZLE® GRAZE X™
SWITCHEX® Driver & Dimmer Switch	✓	✓	✓	✓	—	—
OMNIDRIVE® X	✓	✓	✓	✓	✓	—
OMNIDRIVE® BASICS	—	✓	—	✓	—	—
Magnetic Dimmable Drivers	—	✓	—	✓	—	—
MIKRODIM™	—	✓	—	✓	—	—
Constant Voltage Driver*	✓	✓	✓	✓	—	✓
Plug-in Adapter*	✓	✓	✓	✓	—	✓

*Note: Constant Voltage Drivers and Plug-in Adapters are compatible with inline control options found on page 88-89.

SWITCHEX®

DRIVER & DIMMER SWITCH

SWITCHEX® combines an LED dimmer switch and LED driver into a single integrated unit. SWITCHEX® accepts 120VAC input and converts it to 24VDC or 12VDC, all within a standard gang box. With power options up to 100W, it is a true evolutionary step forward for LED lighting. Installations can be simpler with fewer components and no need to conceal a remote LED driver.



24
VDC

12
VDC

TITLE
24

FEATURES & BENEFITS

- Simplifies your LED installation
- Eliminates compatibility issues between drivers and switches
- Superior LED dimming performance (100% to 5%)
- Preset dimmer with on/off switch

QUICK SPECS

Environment	Indoor/Damp Location
Input Voltage	120VAC
Output Voltage	12VDC & 24VDC Models
Connection Type	Hardwired
Warranty	5 Year Limited Warranty
Dimming	Dimmable
Certification	UL Listed 2108

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.



SPECIFICATIONS & SKU BUILDER

24V SWITCHEX® DRIVER & DIMMER SWITCH

INPUT	OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT
120VAC	24 VDC	DI-24V-SE-60W	60W	Yes	Indoor/Dry Location
		DI-24V-SE-100W	100W	Yes	Indoor/Dry Location

12V SWITCHEX® DRIVER & DIMMER SWITCH

INPUT	OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT
120VAC	12 VDC	DI-12V-SE-40W	40W	Yes	Indoor/Dry Location
		DI-12V-SE-60W	60W	Yes	Indoor/Dry Location

ACCESSORIES

			
Included	Included	Included	Included



OMNIDRIVE® X DIMMABLE DRIVER

OMNIDRIVE® X is a driver with universal dimmer compatibility in most high-performance dimming applications. Simplify installation with universal input voltage and multiple dimming protocols in a single driver.



FEATURES & BENEFITS

- ELV, TRIAC, and 0-10V dimming in a single driver
- 100-277VAC universal input
- No minimum load
- Minimum dimming level of <1%, depending on the dimmer
- UL Listed and Title 24 compliant

QUICK SPECS

Environment	Indoor/Outdoor
Input Voltage	100-277VAC
Output Voltage	12VDC & 24VDC Models
Connection Type	Hardwired
Warranty	5 Year Limited Warranty
Dimming	Forward Phase, Reverse Phase Dimming, and 0-10V Dimming
Certification	UL Listed & JA8/JA10 Compliant

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

24V OMNIDRIVE® X

OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS W/O J-BOX	DIMENSIONS W/ J-BOX (-J)
24 VDC	DI-ODX-24V30W(-J)*	30W	Yes	Indoor/Outdoor	2.1×0.8×6.1 in.	3.7×1.36×6.5 in.
	DI-ODX-24V60W(-J)*	60W	Yes	Indoor/Outdoor	2.4×1×7 in.	3.7×1.36×7.4 in.
	DI-ODX-24V96W(-J)*	96W	Yes	Indoor/Outdoor	2.7×1.7×9 in.	3.7×1.36×8.66 in.
	DI-ODX-24V120W-J	120W	No	Indoor/Outdoor	–	3.7×1.36×8.66 in.
	DI-ODX-24V200W-J	200W	No	Indoor/Outdoor	–	4.92×1.95×10.24 in.

12V OMNIDRIVE® X

OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS W/O J-BOX	DIMENSIONS W/ J-BOX (-J)
12 VDC	DI-ODX-12V30W(-J)*	30W	Yes	Indoor/Outdoor	2.1×0.8×6.1 in.	3.7×1.36×6.5 in.
	DI-ODX-12V60W(-J)*	60W	Yes	Indoor/Outdoor	2.4×1×7 in.	3.7×1.36×7.4 in.
	DI-ODX-12V100W-J	100W	No	Indoor/Outdoor	–	3.7×1.36×8.66 in.
	DI-ODX-12V120W-J	120W	No	Indoor/Outdoor	–	3.7×1.36×8.66 in.
	DI-ODX-12V200W-J	200W	No	Indoor/Outdoor	–	4.92×1.95×10.24 in.

These drivers have an optional junction box (J). For driver only, do not include “-J”.

OMNIDRIVE® BASICS

ELECTRONIC DIMMABLE DRIVER

OMNIDRIVE® BASICS is a compact electronic dimmable (ELV) driver for everyday projects. It is compatible with most ELV dimmers.



FEATURES & BENEFITS

- Simple to install
- Versatile form factor
- No minimum load
- Smooth dimming to 5%
- Optional UL Listed Junction Box

QUICK SPECS

Environment	Indoor/Damp Location (IP20)
Input Voltage	120VAC
Output Voltage	12VDC & 24VDC Models
Connection Type	18 AWG Bare Wire Leads
Warranty	5 Year Limited Warranty
Dimming	Dimmable
Certification	UL Recognized/Class 2, UL Listed with Junction Box

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

24V OMNIDRIVE® BASICS

OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
24 VDC	DI-ODBELV-24V60W	60W	Yes	Indoor/Damp Location	4.2×1.75×0.96 in.
	DI-ODBELV-24V60W-LPELV	60W	Yes	Indoor/Damp Location	5.5×0.96×4.7 in.
	DI-ODBELV-24V96W	96W	Yes	Indoor/Damp Location	4.37×1.5×2.19 in.
	DI-ODBELV-24V96W-LPS	96W	Yes	Indoor/Damp Location	11.25×1.9×3.75 in.

12V OMNIDRIVE® BASICS

OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
12 VDC	DI-ODBELV-12V60W	60W	Yes	Indoor/Damp Location	4.2×1.75×0.96 in.
	DI-ODBELV-12V60W-LPELV	60W	Yes	Indoor/Damp Location	5.5×0.96×4.7 in.

Note: OMNIDRIVE® Basics is not recommended with VALENT®, VALENT® X, STREAMLITE™, AlphaTECH® X, or GRAZE X™ lighting.

MAGNETIC LOW VOLTAGE DIMMABLE DRIVER

MLV drivers are all-purpose dimmable drivers for everyday tape light projects.



FEATURES & BENEFITS

- Compatible with a wide range of dimmers and on/off switches
- Recommended with Diode LED's BLAZE™ tape light

QUICK SPECS

Environment	Indoor/Outdoor
Input Voltage	120VAC & 277VAC Models
Output Voltage	12VDC & 24VDC Models
Connection Type	Hardwired
Warranty	5 Year Limited Warranty
Dimming	Forward Phase Dimming
Certification	ETL Listed

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

24V MAGNETIC DIMMABLE DRIVER

INPUT	OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
120VAC	24 VDC	DI-MLV-24V20W	20W	Yes	Indoor/Outdoor	2.2×2.2×5.7 in.
		DI-MLV-24V40W	40W	Yes	Indoor/Outdoor	2.2×2.2×5.7 in.
		DI-MLV-24V60W	60W	Yes	Indoor/Outdoor	2.6×2.3×6.6 in.
		DI-MLV-24V96W	96W	Yes	Indoor/Outdoor	2.6×2.3×6.6 in.
		DI-MLV-24V150W	150W	No	Indoor/Outdoor	2.8×3.1×9.8 in.
		DI-MLV-24V200W	200W	No	Indoor/Outdoor	3.0×3.0×9.8 in.
		DI-MLV-24V300W	300W	No	Indoor/Outdoor	4.2×3.5×9.8 in.
		DI-MLV-24V192W-MT	Multi-Tap 192W (2×96W)	No	Indoor/Outdoor	4.2×3.2×9.8 in.
		DI-MLV-24V288W-MT	Multi-Tap 288W (3×96W)	No	Indoor/Outdoor	4.2×3.2×9.8 in.
277VAC	24 VDC	DI-MLV-24V20W-277	20W	Yes	Indoor/Outdoor	2.2×2.2×5.7 in.
		DI-MLV-24V40W-277	40W	Yes	Indoor/Outdoor	2.2×2.2×5.7 in.
		DI-MLV-24V96W-277	96W	Yes	Indoor/Outdoor	3.0×3.0×9.8 in.
		DI-MLV-24V200W-277	200W	No	Indoor/Outdoor	4.2×3.5×9.8 in.
		DI-MLV-24V300W-277	300W	No	Indoor/Outdoor	4.2×3.5×9.8 in.

12V MAGNETIC DIMMABLE DRIVER

INPUT	OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
120VAC	12 VDC	DI-MLV-12V20W	20W	Yes	Indoor/Outdoor	2.2×2.2×5.7 in.
		DI-MLV-12V40W	40W	Yes	Indoor/Outdoor	2.2×2.2×5.7 in.
		DI-MLV-12V60W	60W	Yes	Indoor/Outdoor	2.6×2.3×6.6 in.
		DI-MLV-12V100W	100W	No	Indoor/Outdoor	2.8×3.1×9.9 in.
		DI-MLV-12V150W	150W	No	Indoor/Outdoor	2.8×3.1×9.8 in.
		DI-MLV-12V200W	200W	No	Indoor/Outdoor	3.0×3.0×9.8 in.
		DI-MLV-12V300W	300W	No	Indoor/Outdoor	4.2×3.5×9.8 in.

Note: Magnetic Low Voltage is not recommended with VALENT®, VALENT® X, STREAMLITE™, AlphaTECH® X, or GRAZE X™ lighting.

MIKRODIM™ ELECTRONIC DIMMABLE DRIVER

A compact and dimmable power supply with no minimum load. The patented design features built-in short circuit protection and industry-leading dimming performance.



*Driver with Junction Box



*Driver Only

FEATURES & BENEFITS

- No minimum load
- Compact design
- ELV Dimming

QUICK SPECS

Environment	Indoor/Damp Location
Input Voltage	120VAC
Output Voltage	12VDC & 24VDC Models
Connection Type	Hardwired
Warranty	5 Year Limited Warranty
Dimming	ELV Dimming
Certification	UL Component Recognized, UL Listed with Junction Box

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

*This product is available as dimmable driver only. Junction box is optional.

24V MIKRODIM™

OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
24 VDC	DI-MKD-24V60W (Driver Only)	60W	Yes	Indoor/Damp Location	3.0×1.3×1.0 in.
	DI-MKD60W-24-LPMKD (Driver with Junction Box)	60W	Yes	Indoor/Damp Location	4.25×4.34×1.48 in.

12V MIKRODIM™

OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
12 VDC	DI-MKD-12V60W (Driver Only)	60W	Yes	Indoor/Damp Location	3.0×1.3×1.0 in.
	DI-MKD60W-12-LPMKD (Driver with Junction Box)	60W	Yes	Indoor/Damp Location	4.25×4.34×1.48 in.

Note: MikroDIM™ is not recommended with VALENT®, VALENT® X, STREAMLITE™, AlphaTECH® X, or GRAZE X™ lighting.

CONSTANT VOLTAGE LED DRIVERS

These non-dimmable LED Drivers are the preferred driver for RGB/DMX control systems and low-voltage inline dimmers.



FEATURES & BENEFITS

- Hardwire
- Indoor and outdoor models
- Dimmable with PWM dimmers on select models

QUICK SPECS

Environment	Indoor/Outdoor
Input Voltage	120/240/277VAC
Output Voltage	12VDC & 24VDC
Connection Type	Hardwired
Warranty	5 Year Limited Warranty
Dimming	PWM
Certification	UL Listed, UL Component Recognized

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

CONSTANT VOLTAGE LED DRIVER

OUTPUT	SKU	INPUT	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
24 VDC	DI-0970*	120/240VAC	35W	Yes	Indoor/Outdoor	5.83×1.57×1.18 in.
	DI-0954*	100/277VAC	96W	Yes	Indoor/Outdoor	7.87×2.78×1.38 in.
	DI-CV-MW24V60W-277*	120/240/277VAC	60W	Yes	Indoor/Outdoor	5.9×2.1×1.4 in.
	DI-CV-MW24V90W-277*	120/240/277VAC	90W	Yes	Indoor/Outdoor	6.75×2.5×1.5 in.
	DI-CV-24V150W	120VAC	150W	No	Indoor/Outdoor	7.52×2.5×1.48 in.
	DI-CV-24V200W	100/240VAC	200W	No	Indoor/Dry Location	8.46×4.53×1.18 in.
	DI-CV-24V330W	120VAC	330W	No	Indoor/Dry Location	8.5×4.13×1.61 in.
12 VDC	DI-0941	100/240VAC	12W	Yes	Indoor/Dry Location	3.54×1.57×1.14 in.
	DI-0904*	100/240VAC	20W	Yes	Indoor/Outdoor	4.65×1.38×1.02 in.
	DI-0939	100/240VAC	25W	Yes	Indoor/Dry Location	3.07×2.01×1.1 in.
	DI-0918*	100/240VAC	35W	Yes	Indoor/Outdoor	5.83×1.57×1.18 in.
	DI-0906*	100/240VAC	60W	Yes	Indoor/Outdoor	6.4×1.67×1.26 in.
	DI-0908	100/240VAC	150W	No	Indoor/Dry Location	7.83×3.90×2.00 in.
	DI-0909	100/240VAC	200W	No	Indoor/Dry Location	7.83×3.90×2.00 in.
	DI-0928	100/240VAC	300W	No	Indoor/Dry Location	8.5×4.13×1.61 in.
	DI-CV-MW12V40W-277*	120/240/277VAC	40W	Yes	Indoor/Outdoor	5.9×2.1×1.5 in.
	DI-CV-MW12V60W-277*	120/240/277VAC	60W	Yes	Indoor/Outdoor	5.9×2.1×1.4 in.
	DI-CV-12V120W	120VAC	120W	No	Indoor/Outdoor	7.5×2.5×1.5 in.

VLM SERIES CONSTANT VOLTAGE LED DRIVER

OUTPUT	SKU	INPUT	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
24 VDC	VLM60W-24*	120/277VAC	60W	Yes	Indoor/Outdoor	5.1×0.75×0.77 in.
	VLM100W-24*	120/277VAC	100W	Yes	Indoor/Outdoor	5.38×1.0×0.77 in.
12 VDC	VLM60W-12*	120/277VAC	60W	Yes	Indoor/Outdoor	5.1×0.75×0.77 in.
	VLM100W-12*	120/277VAC	100W	No	Indoor/Outdoor	5.38×1.0×0.77 in.

*Note: SKUs with an * have junction box options available. See DiodeLED.com for options.

PLUG-IN LED DRIVERS

These simple power supplies, which are non-dimmable and plug-in ready, are ideal for RGB/DMX control systems and low-voltage inline dimmers. Perfect for fast and easy indoor lighting solutions.



**24
VDC**

**12
VDC**

FEATURES & BENEFITS

- Universal AC input/Full range (up to 264VAC)
- Fully-isolated plastic case
- UL Listed LED Power Supply
- Fanless design/cooling by free-air convection

QUICK SPECS

Environment	Indoor/Outdoor
Input Voltage	100-240VAC
Output Voltage	12VDC & 24VDC
Connection Type	Plug-in
Warranty	5 Year Limited Warranty
Dimming	PWM
Certification	UL Listed, UL Component Recognized

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

COMMERCIAL PLUG-IN LED DRIVER

OUTPUT	SKU	INPUT	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
24VDC	DI-CV-24V90W-OWA	120V	90W	Yes	Indoor/Dry Location	6.75×2.5×1.5 in./171×63×37.5mm
12VDC	DI-CV-12V60W-OWA	120V	60W	Yes	Indoor/Dry Location	5.1×2.1×1.4 in./130×53×35mm

PLUG-IN ADAPTER LED DRIVERS

Portable, light-duty plug-in LED drivers (adapters). Plug-in Adapters convert 120VAC voltage to 12VDC or 24VDC output. An adapter is the right choice for portable installations where hardwiring is not desired.



FEATURES & BENEFITS

- Available in wattages 12W to 96W
- Class 2 compliant
- Short circuit, over current, over voltage, over temperature protections
- Fanless design/cooling by free-air convection



QUICK SPECS

Environment	Indoor/Dry Location
Input Voltage	120VAC
Output Voltage	12VDC & 24VDC Models
Connection Type	DC Plug
Warranty	1 Year Limited Warranty
Dimming	PWM
Certification	UL Listed

12V PLUG-IN ADAPTER

INPUT	SKU	WATTAGE	COLOR	ENVIRONMENT
120VAC	DI-PA-12V6W-CL2-B	6W	Black	Indoor
	DI-PA-12V6W-CL2-W	6W	White	Indoor
	DI-PA-12V12W-CL2-B	12W	Black	Indoor
	DI-PA-12V12W-CL2-W	12W	White	Indoor
OUTPUT	DI-PA-12V24W-CL2-B	24W	Black	Indoor
	DI-PA-12V24W-CL2-W	24W	White	Indoor
	DI-PA-12V36W-CL2-B	36W	Black	Indoor
	DI-PA-12V36W-CL2-W	36W	White	Indoor
	DI-PA-12V60W-CL2-B	60W	Black	Indoor
	DI-PA-12V60W-CL2-W	60W	White	Indoor

**12
VDC**

24V PLUG-IN ADAPTER

INPUT	SKU	WATTAGE	COLOR	ENVIRONMENT
120VAC	DI-PA-24V12W-CL2-B	12W	Black	Indoor
	DI-PA-24V12W-CL2-W	12W	White	Indoor
	DI-PA-24V24W-CL2-B	24W	Black	Indoor
	DI-PA-24V24W-CL2-W	24W	White	Indoor
OUTPUT	DI-PA-24V48W-CL2-B	48W	Black	Indoor
	DI-PA-24V48W-CL2-W	48W	White	Indoor
	DI-PA-24V96W-CL2-B	96W	Black	Indoor
	DI-PA-24V96W-CL2-W	96W	White	Indoor

**24
VDC**





RESOURCES

SKU INDEX

DI-24V-VLX1-**-***	10	DI-24V-VL-TW1840-***	26
DI-24V-VLX2-**-***	10	DI-24V-DRGB-****	27
DI-24V-VLX3-**-***	10	DI-24V-DRGB-****	27
DI-24V-VLX5-**-***	10	DI-24V-DRGB-W***	27
DI-24V-VLX8-**-***	10	DI-24V-STMLT-RGBW-016	28
DI-24V-VLX5-**-W***	11	DI-24V-STMLT-RGBW-016	29
DI-24V-VL1-**-***	12	DI-24V-VL-RGBW-***	30
DI-24V-VL2-**-***	12	DI-24V-VL-RGBW-W***	31
DI-24V-VL3-**-***	12	DI-TB8-CONN-TTW-***	33
DI-24V-VL5-**-***	12	DI-TB8-CONN-TTT-***	33
DI-24V-VL2-**-W***	13	DI-TB8-60SPL-TTW-***	33
DI-24V-VL5-**-W***	13	DI-TB8-90-TTT-1	33
DI-24V-RGBW4-****	14	DI-TB8-60JPR-TTT-***	33
DI-24V-RGBW4-W***	14	DI-TB8-6JPR-TTT-***	33
DI-24V-STMLT-**-***	14	DI-TB12-CONN-TTW-***	34
DI-24V-STMLT4-**-***	14	DI-TB12-CONN-TTT-***	34
DI-24V-DRGB-****	15	DI-TB12-60SPL-TTW-***	34
DI-24V-DRGB-W***	15	DI-TB12-90-TTT-1	34
DI-24V-STMLT-**-W***	15	DI-TB12-60JPR-TTT-***	34
DI-24V-STMLT4-**-W***	15	DI-TB12-6JPR-TTT-***	34
DI-12V-BLX1-**-***	16	DI-0885-**-**	35
DI-12V-BLX2-**-***	16	DI-0886-**-**	35
DI-12V-BLX3-**-***	16	DI-0887-**-**	35
DI-24V-BLX1-**-***	16	DI-0890-**-**	35
DI-24V-BLX2-**-***	16	DI-1090-**-**	35
DI-24V-BLX3-**-***	16	DI-1091-**-**	35
DI-12V-BLX1-**-W***	17	DI-0891-**-**	35
DI-12V-BLX2-**-W***	17	DI-0892-**-**	35
DI-12V-BLX3-**-W***	17	DI-0895-**-color	35
DI-24V-BLX1-**-W***	17	DI-TB-RGBW-36SPL-TTW-1	35
DI-24V-BLX2-**-W***	17	DI-TB-RGBW-36SPL-TTW-25	35
DI-24V-BLX3-**-W***	17	DI-TB-RGBW-36SPL-TTW-25B	35
DI-12V-BLBSC1-**-***	18	DI-TB-RGBW-96SPL-TTW-1	35
DI-12V-BLBSC2-**-***	18	DI-TB-RGBW-96SPL-TTW-25	35
DI-24V-BLBSC1-**-***	18	DI-TB-RGBW-96SPL-TTW-25B	35
DI-24V-BLBSC2-**-***	18	DI-RGBW-CKT-LNK-**-**	35
DI-24V-BLBSC3-**-***	18	DI-RGBW-CKT3-SPLE-**-**	35
DI-24V-BLC-**-***	18	DI-RGBW-CKT24-SPLE-**-**	35
DI-24V-BLBSC1-**-W***	19	DI-RGBW-CKT3-EXT-**-**	35
DI-24V-BLBSC2-**-W***	19	DI-RGBW-CKT24-EXT-**-**	35
DI-24V-BLBSC3-**-W***	19	DI-CHB-A3-**-***	40
DI-12V-BLBSC1-**-W***	19	DI-CHB-A1-**-**	40
DI-12V-BLBSC2-**-W***	19	DI-CHB-A2-**-***	40
DI-120V-INFBSC3-**-164	20	DI-CHB-S1-***	41
DI-120V-INFBSC3-**-H-164	20	DI-CHB-S2-***	41
DI-24V-VL1-WD****-***	22	DI-CHB-S45-***	41
DI-24V-VL4-WD****-***	22	DI-CPCHB-SL-**-***	42
DI-24V-VL4-WD****-W***	23	DI-CPCHB-SQ-**-***	42
DI-24V-STMLT-WD****-***	24	DI-CPCHB-45-**-***	42
DI-24V-STMLT-TW2765-***	25	DI-CPCHB-REC-***	43

DI-CPCHB-SLR-**	43	DI-0715-B	88
DI-CPCHB-45DCO-**	43	DI-0714	88
DI-CPCHB-16MM-***	44	DI-0714-B	88
DI-CPCHB-SCNC-**	44	DI-INLINE-DS-5A-*	88
DI-CPCHB-GZRN-***	44	DI-INLINE-OS-5A-*	88
DI-CPCHB-SQC20-**	45	DI-SWTH-PRX	89
DI-CPCHB-RC20-**	45	DI-SWTH-PSV	89
DI-CPCHB-WF-48	45	DI-SWTH-HW-OCS	89
DI-CPCHB-90SD-**	46	DI-12V-SE-***W	94
DI-CPCHB-RFCTR-**	46	DI-24V-SE-***W	94
DI-TAPE-GRD**_**	46	DI-ODX-12V***W(-J)	96
DI-CPCHB-RDWAL-**	47	DI-ODX-24V***W(-J)	96
DI-CPCHB-RDCL-**	47	DI-ODBELV-12V60W-*****	97
DI-CPCHB-RDART-**	47	DI-ODBELV-24V60W-*****	97
DI-CPCHB-MUD1-96	48	DI-ODBELV-124V96W-*****	97
DI-CPCHB-MUD2-96	48	DI-MLV-12V***W	98
DI-24V-**-LIN-**_****	54	DI-MLV-12V***W-MT	98
DI-24V-SE-LIN-**_**	54	DI-MLV-12V***W-277	98
DI-24V-3D-LIN-**-032	56	DI-MLV-24V***W	98
DI-24V-M3D-LIN-**-032	56	DI-MLV-24V***W-MT	98
DI-24V-360-LIN-**-016	58	DI-MLV-24V**W-277	98
DI-24V-MSE-LIN-**-016	60	DI-MKD-24V60W	99
DI-24V-SE-ATX-***_**	62	DI-MKD-12V60W	99
DI-24V-TE-ATX-***_**	62	DI-MKD60W-**-LPMKD	99
DI-24V-TE-NBL4-**_**	64	DI-0941	100
DI-24V-TE-NBL2-**_**	64	DI-0904	100
DI-24V-TE-NBL1-**_**	64	DI-0939	100
DI-24V-SE-NBL1-**_**	64	DI-0918	100
DI-24V-SE-NBL2-**_**	64	DI-0906	100
DI-24V-SE-NBL4-**_**	64	DI-0908	100
DI-24V-GRZX-***_**_**	68	DI-0909	100
DI-24V-OB4-***_**_016	70	DI-0928	100
DI-24V-OB6-***_**_016	70	DI-CV-MW12V**W-277	100
DI-120V-COVE-**-WH	72	DI-0970	100
DI-120V-SABER-**	74	DI-0954	100
DI-12V-PUCK-**_**	76	DI-CV-MW24V**W-277	100
DI-12V-SPOT-RG2-30-32-BA	76	DI-CV-24V***W	100
DI-1224V-TRNT2-**_**	76	VLM***W-**	100
DI-12V-LGP4-**_***	78	DI-CV-24V90W-OWA	101
DI-24V-LGP4-**_***	78	DI-CV-24V60W-OWA	101
DI-120V-BW-WW-RGBW-*F-BL	80	DI-PA-12V6W-CL2-*	101
DI-1810	86	DI-PA-12V12W-CL2-*	101
DI-DMX-DCO-24V96W-277	86	DI-PA-24V12W-CL2-*	101
DI-DMX-DE3	86	DI-PA-36V12W-CL2-*	101
DI-DMX-WIFI-WMUS-3Z-WH	86	DI-PA-60V12W-CL2-*	101
CBU-PWM4	87	DI-PA-24V12W-CL2-*	101
DI-RF-REM-RGBW-4	87	DI-PA-24V24W-CL2-*	101
DI-RF-REM-TW-4	87	DI-PA-24V48W-CL2-*	101
DI-REIGN-WH	88	DI-PA-24V96W-CL2-*	101
DI-0715	88		

WORDS TO KNOW

GLOSSARY OF INDUSTRY TERMS

BEAM ANGLE

The measure of light spread from a source in degrees.

CCT (CORRELATED COLOR TEMPERATURE)

Represents the color of white light, which can be warm like candlelight or cool like daylight and many colors in-between, measured in Kelvin (K).

CHANNEL PROFILE

An extrusion that is used to protect and diffuse LED light while also providing a more finished and professional look.

CLASS 2

Limits the amount of output power to 100 watts or less and is considered safe for household appliances and electronic devices. 12V-60W, 24V-96W.

CONTROL SYSTEM

Manages, commands, directs, or regulates the behavior of other devices or systems using control loops.

CRI (COLOR RENDERING INDEX)

A measure of how accurately a light source renders colors on a scale from 1 to 100, with 100 representing daylight. Examples include 90+, 95+, 98+ CRI.

CUT POINTS

The specified points at which cutting LED tape light in the field is feasible.

DMX (DIGITAL MULTIPLEX)

DMX stands for Digital Multiplex, a system that allows a single controller to affect multiple fixtures.

DIFFUSION

The scattering of light through a material that reduces glare and LED dots, or hotspots, enhancing an application.

DRIVER

A power source that is responsible for transforming and rectifying power to an LED light.

ETL LISTED

The ETL Mark is proof of product compliance with North American safety standards, a safety certification.

FACTORY ASSEMBLY

A service provided by Diode LED that allows customers to request fully assembled fixtures, tape lights, and channels.

FOOT-CANDLE (fc)

A unit of illumination equal to that given by a source of one candela at a distance of one foot, equivalent to one lumen per square foot.

GRAZING

A lighting technique that uses directional light at a shallow angle to emphasize the texture and structure of a surface.

HEAT SINK

A device for extracting excessive or unwanted heat.

INSTALL GUIDES

Documented guidelines regarding installing low-voltage LED tape light, including safety information and warnings.

IP RATING SYSTEM

Ingress Protection (IP) ratings denote a product's resistance against the intrusion of dust or liquids.

JUNCTION BOX

An electrical enclosure that safely houses power supply wire connectors and splices.

KELVIN (K)

The primary temperature unit in the International System of Units is used in lighting to measure CCT. Examples include 2000K, 2700K, 3500K, etc.

LENS

A transparent material is shaped to manipulate and diffuse light rays as they pass through it.

LM79 REPORTS

Photometric reports that measure quality characterization metrics such as CRI and Gamut.

LUMEN OUTPUT

A measure that refers to the total quality of visible light emitted by a source.

MAX. RUN

The maximum length of tape light that can be supported by a single lead wire.

NEMA 3R

The designation that indicates an electrical enclosure is suitable for use outdoors.

NSF

An organization that ensures products are certifiably safe for use in food preparation environments.

SKU BUILDER

A tool used by Diode LED to identify the array of options associated with a specific product, including voltage, model, CCT, length, and lumen output.

TAPE LIGHT TERMINAL BLOCK CONNECTOR

A product used to complete a link between pieces of tape or to establish a tape-to-wire connection.

TITLE 24

A California energy code designed to reduce wasteful and unnecessary energy consumption in newly constructed and existing buildings.

UL LISTED

The UL Listed designation is proof of product compliance with North American safety standards, which is a safety certification.

VDC

Direct Current Voltage is a type of voltage in which a current maintains constant polarity. Examples include 24VDC, 12VDC, etc.

VOLTAGE DROP

The amount of voltage loss that occurs through all or part of a circuit due to impedance.

APPLICATIONS CHART

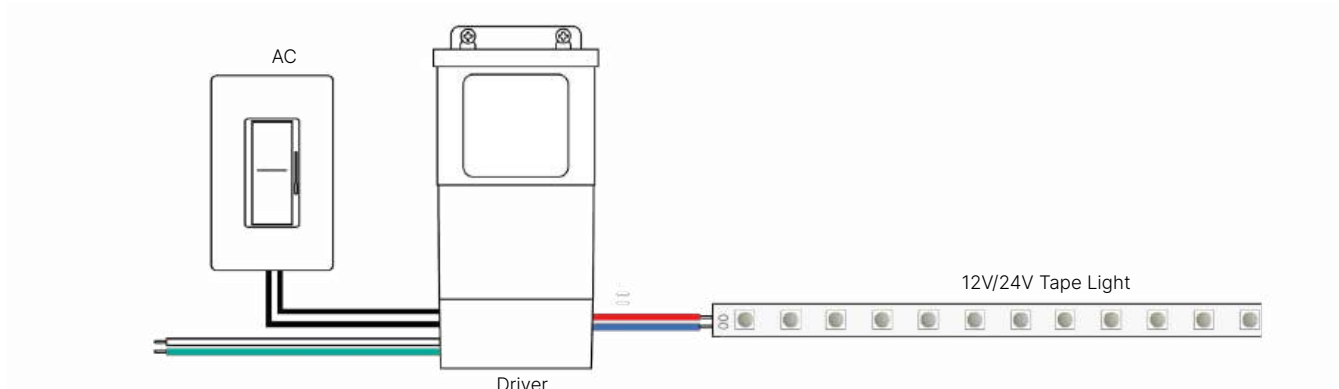
*Note: Check specification sheet for compatibility

COVE Small, high output, flexible linear lighting is ideal for cove lighting.		RECOMMENDED PRODUCTS <table><tr><th>TAPE LIGHTS</th><th>CHANNELS</th></tr><tr><td> - VALENT® - VALENT® X - STREAMLITE™ - BLAZE™ - BLAZE™ X - NEON BLAZE™ </td><td> - A3 - S1 - SLIM 45° 90° Sideview </td></tr></table>	TAPE LIGHTS	CHANNELS	- VALENT® - VALENT® X - STREAMLITE™ - BLAZE™ - BLAZE™ X - NEON BLAZE™	- A3 - S1 - SLIM 45° 90° Sideview	
TAPE LIGHTS	CHANNELS						
- VALENT® - VALENT® X - STREAMLITE™ - BLAZE™ - BLAZE™ X - NEON BLAZE™	- A3 - S1 - SLIM 45° 90° Sideview						
GRAZING Sharp, precise grazing accentuates the details of textured surfaces.		RECOMMENDED PRODUCTS <table><tr><th>TAPE LIGHTS</th><th>CHANNELS/FIXTURES</th></tr><tr><td> - OBD™ FLEX Optics (Indoor/ Outdoor) </td><td> - Grazer (Indoor) - GRAZE X™ (Indoor) </td></tr></table>	TAPE LIGHTS	CHANNELS/FIXTURES	OBD™ FLEX Optics (Indoor/ Outdoor)	- Grazer (Indoor) - GRAZE X™ (Indoor)	
TAPE LIGHTS	CHANNELS/FIXTURES						
OBD™ FLEX Optics (Indoor/ Outdoor)	- Grazer (Indoor) - GRAZE X™ (Indoor)						
MILLWORK Compact linear lighting is ideal for illuminating millwork, work surfaces, and products on display.		RECOMMENDED PRODUCTS <table><tr><th>TAPE LIGHTS</th><th>CHANNELS</th></tr><tr><td> - LINAIRE® MICRO SIDE - VALENT® - VALENT® X - STREAMLITE™ - BLAZE™ - BLAZE™ X </td><td> - S1 - SLIM 45° - SLIM Recessed 90° Side Vlew </td></tr></table>	TAPE LIGHTS	CHANNELS	- LINAIRE® MICRO SIDE - VALENT® - VALENT® X - STREAMLITE™ - BLAZE™ - BLAZE™ X	- S1 - SLIM 45° - SLIM Recessed 90° Side Vlew	
TAPE LIGHTS	CHANNELS						
- LINAIRE® MICRO SIDE - VALENT® - VALENT® X - STREAMLITE™ - BLAZE™ - BLAZE™ X	- S1 - SLIM 45° - SLIM Recessed 90° Side Vlew						
DYNAMIC Dynamic color selection at the touch of a button.		RECOMMENDED PRODUCTS <table><tr><th>TAPE LIGHTS</th><th>CHANNELS</th></tr><tr><td> - STREAMLITE™ RGBW - NEON BLAZE™ RGB - VALENT® RGBW - STREAMLITE™ Tunable White - DAZZLE® RGBW 4D </td><td> - S2 - S1 - SLIM - Square 45° - Recessed 16mm - Mud-in </td></tr></table>	TAPE LIGHTS	CHANNELS	- STREAMLITE™ RGBW - NEON BLAZE™ RGB - VALENT® RGBW - STREAMLITE™ Tunable White - DAZZLE® RGBW 4D	- S2 - S1 - SLIM - Square 45° - Recessed 16mm - Mud-in	
TAPE LIGHTS	CHANNELS						
- STREAMLITE™ RGBW - NEON BLAZE™ RGB - VALENT® RGBW - STREAMLITE™ Tunable White - DAZZLE® RGBW 4D	- S2 - S1 - SLIM - Square 45° - Recessed 16mm - Mud-in						
UNDER CABINET & TASK Application that requires a well lit workspace.		RECOMMENDED PRODUCTS <table><tr><th>TAPE LIGHTS</th><th>CHANNELS</th></tr><tr><td> - VALENT® - VALENT® X - STREAMLITE™ - BLAZE™ - BLAZE™ X </td><td> - S1 - S2 - S45 - SLIM 45° </td></tr></table>	TAPE LIGHTS	CHANNELS	- VALENT® - VALENT® X - STREAMLITE™ - BLAZE™ - BLAZE™ X	- S1 - S2 - S45 - SLIM 45°	
TAPE LIGHTS	CHANNELS						
- VALENT® - VALENT® X - STREAMLITE™ - BLAZE™ - BLAZE™ X	- S1 - S2 - S45 - SLIM 45°						
OUTDOOR Rugged, waterproof, and UV-resistant options for outdoor use.		RECOMMENDED PRODUCTS <table><tr><th>TAPE LIGHTS</th><th>CHANNELS</th></tr><tr><td> - LINAIRE® FLEX - AlphaTECH® X - BLAZE™ Wet Location - VALENT® Wet Location - STREAMLITE™ Wet Location </td><td> - A1 - S2 - SLIM 16mm </td></tr></table>	TAPE LIGHTS	CHANNELS	- LINAIRE® FLEX - AlphaTECH® X - BLAZE™ Wet Location - VALENT® Wet Location - STREAMLITE™ Wet Location	- A1 - S2 - SLIM 16mm	
TAPE LIGHTS	CHANNELS						
- LINAIRE® FLEX - AlphaTECH® X - BLAZE™ Wet Location - VALENT® Wet Location - STREAMLITE™ Wet Location	- A1 - S2 - SLIM 16mm						
HANDRAIL & PATH Outdoor lighting that effectively illuminates handrails and pathways.		RECOMMENDED PRODUCTS <table><tr><th>TAPE LIGHTS</th><th>CHANNELS</th></tr><tr><td> - LINAIRE® FLEX - AlphaTECH® X - VALENT® Wet Location - STREAMLITE™ Wet Location - BLAZE™ Wet Location </td><td> - A1 - S2 - SLIM </td></tr></table>	TAPE LIGHTS	CHANNELS	- LINAIRE® FLEX - AlphaTECH® X - VALENT® Wet Location - STREAMLITE™ Wet Location - BLAZE™ Wet Location	- A1 - S2 - SLIM	
TAPE LIGHTS	CHANNELS						
- LINAIRE® FLEX - AlphaTECH® X - VALENT® Wet Location - STREAMLITE™ Wet Location - BLAZE™ Wet Location	- A1 - S2 - SLIM						
SPA & SHOWER IP65 rating ensures safe illumination in areas prone to water exposure (near pools, fountains, outdoors, etc.).		RECOMMENDED PRODUCTS <table><tr><th>TAPE LIGHTS</th><th>CHANNELS</th></tr><tr><td> - LINAIRE® FLEX - VALENT® Wet Location - STREAMLITE™ Wet Location - BLAZE™ Wet Location </td><td> - A1 - A2 - A3 16mm </td></tr></table>	TAPE LIGHTS	CHANNELS	- LINAIRE® FLEX - VALENT® Wet Location - STREAMLITE™ Wet Location - BLAZE™ Wet Location	- A1 - A2 - A3 16mm	
TAPE LIGHTS	CHANNELS						
- LINAIRE® FLEX - VALENT® Wet Location - STREAMLITE™ Wet Location - BLAZE™ Wet Location	- A1 - A2 - A3 16mm						
POOL & FOUNTAIN IP69 rating is required for submerged tape (in pools, fountains, etc.).		RECOMMENDED PRODUCTS <table><tr><th>TAPE LIGHTS</th><th>CHANNELS</th></tr><tr><td> - AlphaTECH® X </td><td> - AlphaTECH® mounting channel required </td></tr></table>	TAPE LIGHTS	CHANNELS	AlphaTECH® X	AlphaTECH® mounting channel required	
TAPE LIGHTS	CHANNELS						
AlphaTECH® X	AlphaTECH® mounting channel required						

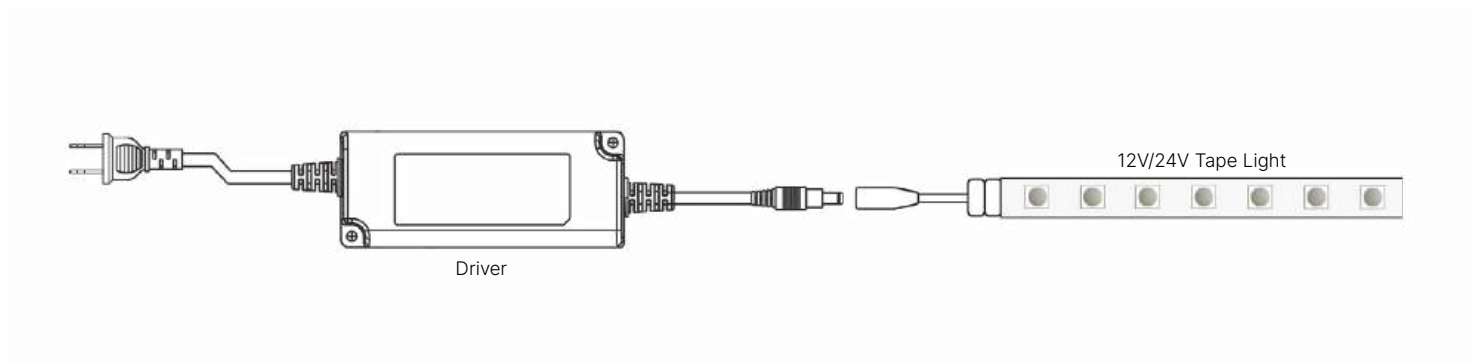
BASIC WIRING DIAGRAMS

LED DRIVERS

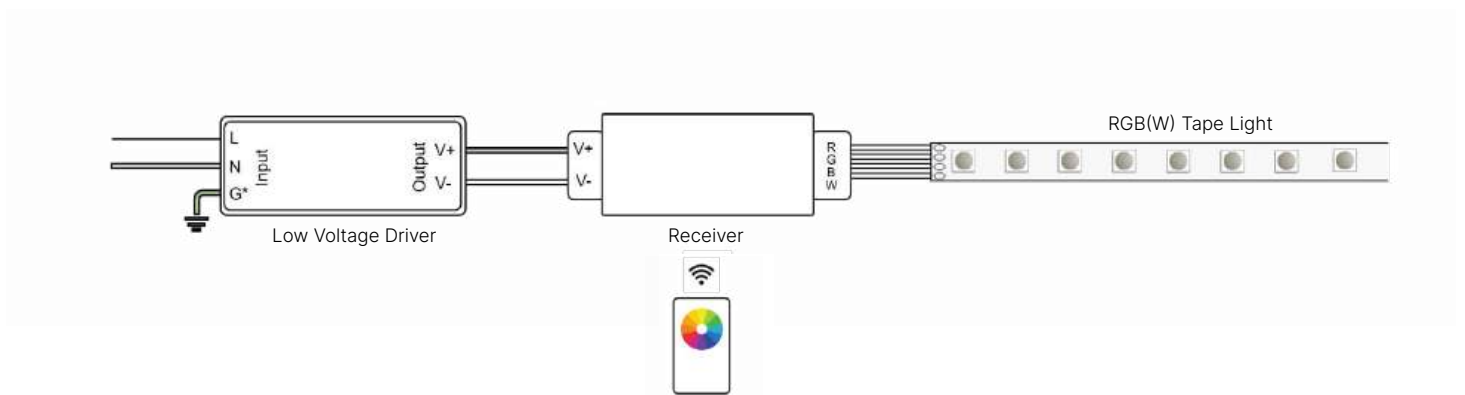
HARDWIRED DIMMABLE SYSTEM DIAGRAM



PLUG-IN SYSTEM DIAGRAM



COLOR-CHANGING SYSTEM DIAGRAM



VOLTAGE DROP CHART

FINDING THE CORRECT WIRE

WHAT IS VOLTAGE DROP?

Voltage drop is the amount of voltage loss that occurs through all or part of a circuit due to resistance. Consider voltage drop when specifying your next project.

Use the chart below by first calculating the total wattage load, then selecting the length of wire needed.

24V voltage drop & wire length distance chart (3% drop or 23.28V)*

WIRE GAUGE	5W .2 A	10W .42 A	20W .83 A	30W 1.3 A	40W 1.7 A	50W 2.1 A	60W 2.5 A	70W 2.9 A	80W 3.3 A	90W 3.75 A	100W 4.2 A
22 AWG	107 ft.	52 ft.	27 ft.	17 ft.	13 ft.	10.5 ft.	9 ft.	7.5 ft.	6.8 ft.	6 ft.	5.3 ft.
20 AWG	170 ft.	85 ft.	43 ft.	27 ft.	21 ft.	17 ft.	14 ft.	12 ft.	11 ft.	9 ft.	8 ft.
18 AWG	270 ft.	134 ft.	68 ft.	45 ft.	33 ft.	27 ft.	22 ft.	19 ft.	17 ft.	15 ft.	14 ft.
16 AWG	430 ft.	215 ft.	109 ft.	72 ft.	54 ft.	43 ft.	36 ft.	31 ft.	27 ft.	24 ft.	22 ft.
14 AWG	680 ft.	345 ft.	174 ft.	115 ft.	86 ft.	69 ft.	57 ft.	49 ft.	43 ft.	39 ft.	36 ft.
12 AWG	1090 ft.	539 ft.	272 ft.	181 ft.	135 ft.	108 ft.	90 ft.	77 ft.	68 ft.	61 ft.	56 ft.
10 AWG	1730 ft.	784 ft.	397 ft.	263 ft.	197 ft.	158 ft.	131 ft.	112 ft.	98 ft.	97 ft.	82 ft.

12V voltage drop & wire length distance chart (3% drop or 11.64v)*

WIRE GAUGE	5W .42 A	10W .83 A	20W 1.7 A	30W 2.5 A	40W 3.3 A	50W 4.16 A	60W 5.0 A
22 AWG	27 ft.	14 ft.	7 ft.	4.5 ft.	3.5 ft.	2.8 ft.	2.2 ft.
20 AWG	43 ft.	18 ft.	9 ft.	6 ft.	5 ft.	4 ft.	3 ft.
18 AWG	68 ft.	34 ft.	17 ft.	11 ft.	8 ft.	6 ft.	5 ft.
16 AWG	110 ft.	54 ft.	27 ft.	18 ft.	13 ft.	10 ft.	9 ft.
14 AWG	170 ft.	86 ft.	43 ft.	29 ft.	21 ft.	17 ft.	14 ft.
12 AWG	275 ft.	134 ft.	68 ft.	45 ft.	34 ft.	27 ft.	22 ft.
10 AWG	430 ft.	199 ft.	99 ft.	66 ft.	49 ft.	39 ft.	33 ft.

3% voltage drop rule

This condition causes the load to work harder with less voltage pushing the current. The National Electrical Code recommends limiting the voltage drop from the breaker box to the farthest outlet for power, heating, or lighting to 3 percent of the circuit voltage.



Eric Staudenmaier Photography | Dot Dash



885 Trademark Drive

Reno, Nevada 89521

Phone: 877.817.6028 | Fax: 415.592.1596

Email: info@DiodeLED.com

Visit our website at DiodeLED.com



Copyright © 2024 Elemental LED, Inc. All rights reserved.
Specifications are subject to change without notice.