diode led ®

a division of elemental LED

RETAIL · COMMERCIAL · RESIDENTIAL

10 YEARS
OF
LED LIGHTING SOLUTIONS

2017 CATALOG

THE DIODE DECADE

In 2017, Elemental LED will enter its **10th year of business**. We mark this special occasion by thanking each of you for being a part of our growth and success.

Our journey began as a small company with just a handful of employees interested in disrupting the market. Since this humble beginning, we've grown to be an **innovative and forward-thinking industry leader** in the ever-changing world of LED lighting. We are proud of our achievements and accomplishments including our status as the **largest provider of linear LED lighting solutions in America**.

The enthusiasm, support and dedication of our excellent team has helped us to achieve this ten-year milestone. We are indebted to the **contributions of our employees**. Their positive impact on our organization is limitless.

We are also **grateful to you, our customers and partners,** who trusted us to provide spectacular lighting solutions throughout the world. You placed your confidence in us and have been **loyal to our product and services**. We recognize that your commitment to Elemental LED and Diode LED has been integral to our success. We will continue to build on this solid foundation in the coming decade by providing you with the **best-in-class service you've come to expect** and the most **technologically advanced LED lighting products** in the market.

To our outstanding team, customers and partners, we extend our deepest appreciation for your loyalty and support.

Here's to another incredibly successful year!

10 YEARS

THE DIODE DECADE

The Diode LED website features an **inspiration gallery** of projects and installations to help you visualize how our products can enhance your projects.

Additionally, the website features the ability to browse and select products based on project needs, along with extensive product content and technical resources including:

• **Product specifications**
• **Accessory compatibility charts**
• **Installation guides**
• **Demonstration videos**

The **shopping list feature** allows you to pick and choose products, while browsing the Diode LED website. Once your shopping list is finalized, a unique shopping list I.D. number will be provided. Present your shopping list I.D. number to one of our many Diode LED dealer partners and they will provide you with pricing and ordering options.

THE SHOPPING LIST

1. Browse the Diode LED website to add products to your shopping list. You will then receive a shopping list I.D. number for future reference.

2. Present that I.D. number to your dealer, who will provide pricing and fulfill your order

3. Choose to pick up your order from your local dealer or have it delivered directly to you

THE SHOPPING CART

1. Pull up the customer's shopping list using their shopping list I.D. number

2. Create and fulfill the purchase order directly from the Diode LED website

3. Choose to drop-ship the order directly to the customer or have the products delivered to your location for pick-up

TO OUR DEDICATED DIODE LED DEALER NETWORK:
The Diode LED website allows our Dealers to:

• **Place purchase orders online**
• **Track order shipments**
• **View special promotions**
• **View product webinars**

When a customer provides their shopping list I.D. number, you have the ability to pull up the shopping list by the I.D. number and purchase directly from the Diode LED website using the shopping cart function. The online purchase order function allows you to ship directly to your store or drop ship to the customer's address.

Access to customer shopping lists and the easy conversion to an online purchase order simplifies the quoting and purchasing process for fast and accurate fulfillment of Diode LED orders.

The Importance of Product Safety Certifications

As a technology company, Elemental LED understands the importance of designing our products to meet the strict certification standards of Underwriters Laboratories (UL) or Intertek (ETL). The rigorous testing and certification of these NRTLs (Nationally Recognized Testing Laboratories) are accepted by OSHA (Occupational Safety & Health Administration) as accredited testing organizations and the Listed Mark will meet appropriate installation requirements outlined in section 110.3(B) of the NEC (National Electrical Code).

We go beyond these basic certifications and engineer products that are certified for a wide range of applications to assist in passing field inspections. Many of our products meet both UL and Class 2 requirements. See the chart to the right for an overview of product certifications we hold.

Underwriter Laboratories UL Listing Mark for United States and Canada. This is an updated Listing mark that has the same credentials as the standard UL Listed mark below.

Underwriters Laboratories UL Listed Mark for United States and Canada.

Underwriters Laboratories Recognized Component Mark for United States and Canada.

Intertek Laboratories ETL Listed Mark for United States and Canada.

The Conformité Européene CE mark indicates products sold in the European Economic Area (EEA) have been assessed to meet high safety, health and environmental protection requirements.

CONFORMING STANDARD	RELATING PRODUCT(S)
UL Listed 2108 Low Voltage Lighting Systems, Power Units, Luminaires & Fittings Additionally these products are Suitable for Installation in the Storage Area of a Clothes Closet	12V BLAZE™ 12V BLAZE™ Wet Location 12V ULTRA BLAZE™ 12V DOUBLE BLAZE™ 12V FLUID VIEW® 12V FLUID VIEW Wet Location 12V VALENT® 12V VALENT HD
UL Listed 2108 Low Voltage Lighting Systems, Power Units, Luminaires & Fittings	12V TRIANT® LED Puck Light 12V SPOTMOD® TILE 12V SPOTMOD® LINK 12V SPECIFORM® 24V FLUID VIEW® 24V BLAZE™ 24V ULTRA BLAZE™ 24V AVENUE 24™ 24V DAZZLE 24® RGB 24V DAZZLE 24® RGB Wet Location 24V DAZZLE 24 RGBW 24V DAZZLE 24® RGBW 4D 24V DAZZLE 24® RGBW 4D Wet Location 24V HYDROLUME® 24V SPECIFORM
UL Listed 676 Underwater Luminaire	HYDROLUME®
ETL Listed Conforms to UL Standard 2388 Flexible Lighting Products	120V INFINILINE®
ETL Listed Conforms to UL Standard 1598 Surface Mounted Luminaire	FENCER® Series SABER™ FENCER® Series FOIL™ 2
ETL Listed Conforms to UL Standard 153 Portable Luminaire	FENCER® Series FOIL™ 2
ETL Listed Conforms to UL Standard 2108 Low Voltage Lighting Systems, Power Units, Luminaires & Fittings	SPOTMOD® SPOTMOD® RECESSED GIMBAL CASCADE® 2 SUNRISE® 2
ETL Listed Conforms to UL Standard 508 Industrial Control Equipment	REIGN™ Dimmer Switch
UL Standard 1598 IFDR (Low Voltage Power unit)	LO-PRO® Junction Box & Driver Combo
UL Standard 1598 IFFX (Luminaire Fitting) UL Standard 508A (Industrial Control Panel)	LO-PRO® Junction Box
UL Listed 1310 Class 2 Power Supply	OMNIDRIVE® (Class 2 specific models) Standard Plug-in Adapters Commercial Grade Plug-In Adapters
ETL Listed Conforms to UL Standard 5085-1, 5085-3, 8750 and 1310 (Class 2 models only)	Magnetic Dimmable Drivers
UL Listed 8750 Drivers for LED Arrays, Modules and Controllers	Lutron® Dimmable Drivers
UL Listed 2108 Low Voltage Lighting Systems, Power Units, Luminaires and Fittings	SWITCHEX®

Find our products in the UL Sign Components Manual (SAM).

All LED Tape Light is still certified under UL 2108 when installed with **CHROMAPATH® Aluminum Channels**.
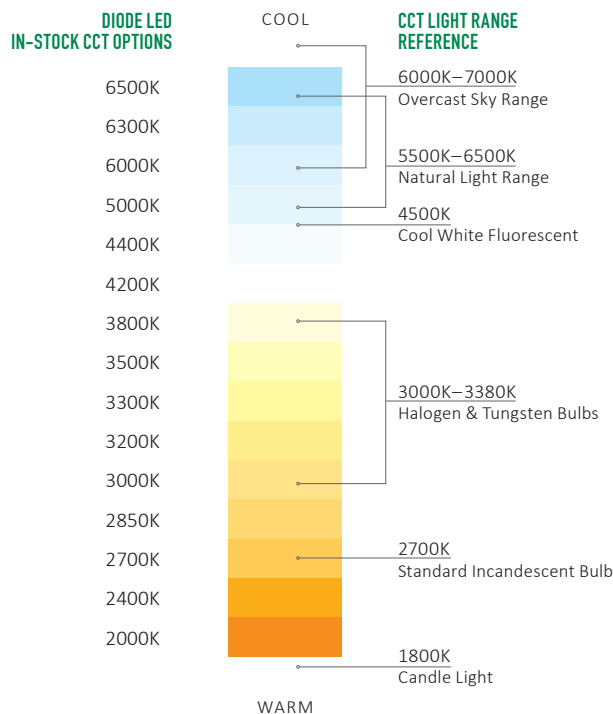
QUALITY OF LIGHT

Without light, it would be impossible to view the world around us. Light illuminates objects for us to see and the spectrum emitted by a light source provides the color in these objects. Variants of color offers advantages for different lighting applications. The lighting industry uses several tools - Kelvin, CCT, CRI, R-values and TM-30 - to describe color characteristics and light quality.

THE CORRELATED COLOR TEMPERATURE SCALE

The Kelvin based CCT (Correlated Color Temperature), is a scale used in lighting to measure the color temperature of a luminaire. It puts specifics to the description of the appearance of white light as "warm", "neutral" or "cool" (CCT chart, below). The color chosen for an application may vary based on the use of the space and the material being illuminated. For example, "warmer" light is very popular in residential applications where "cool" light is more prevalent in commercial and industrial spaces. We offer a wide variety of options to meet your needs for any lighting application.

CORRELATED COLOR TEMPERATURE (CCT) LIGHT RANGE COMPARISON CHART
(MEASURED IN KELVIN)

DIODE LED IN-STOCK CCT OPTIONS

COOL

CCT LIGHT RANGE REFERENCE

Diode LED	CCT Light Range Reference
6500K	6000K–7000K Overcast Sky Range
6300K	
6000K	5500K–6500K Natural Light Range
5000K	
4400K	4500K Cool White Fluorescent
4200K	
3800K	
3500K	
3300K	3000K–3380K Halogen & Tungsten Bulbs
3200K	
3000K	
2850K	
2700K	2700K Standard Incandescent Bulb
2400K	
2000K	
	1800K Candle Light

WARM

OTHER CCT OPTIONS AVAILABLE BY SPECIAL ORDER ONLY.

THE IMPORTANCE OF QUALITY COLOR RENDERING

Quality color rendering is an important aspect of a light source as the light will reveal colors of objects accurately in comparison with an ideal or natural light source (daylight or incandescent bulb). A source with poor color rendering may cause objects to appear dull and unsaturated (see image below) or overly saturated and unnatural. Many artificial light sources have lower CRIs that will mute colors in food, artwork and skin tones, making them appear less vibrant. We use very high CRIs, typically in the range of 80-98 CRI, to assure that colors are rendered vibrantly and true.

HIGH CRI   LOW CRI

Color rendering properties of a light source can be evaluated with complex calculation engines. These tools compare how a set of color samples are rendered (represented) by a light source in comparison to a reference light source.

A FAMILIAR COLOR RENDERING TOOL: CRI

The most familiar calculator is CRI (Color Rendering Index), which has been utilized to measure color rendering properties of light sources for over 50 years. CRI has been widely adopted in the lighting industry for its ease of use as it only calculates a single metric—Fidelity (Ra). Sunlight has a CRI of 100, the highest mark on the 0-100 scale. CRI is calculated using an average of 8 specific R-values representing 8 different colors within the light spectrum. The R-values measure the concentrations of 14 colors within a light source's emitted spectrum and the ability to render individual colors. High R9, R13 and R14 values are particularly important for illuminating skin tones, decorative art and retail merchandise properly. Our products are engineered specifically to deliver high R9, R13 and R14 values to assure your installations deliver superior color rendering.

PASTEL COLORS								SATURATED COLORS				EARTH COLORS	
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14

CRI VALUE AVERAGE   NOT INCLUDED IN CRI VALUE
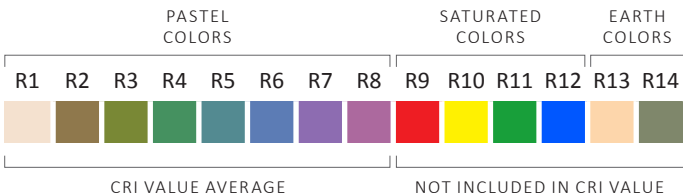
A BRIEF LOOK INTO TM–30:
THE NEXT GENERATION OF COLOR RENDERING

IES TM-30-15 is a new color rendering system that remedies flaws/limitations of CRI, providing complementary and more detailed information that benefits both specifiers and manufacturers. The much wider range of colors is a more accurate reflection of the real world – allowing you to show detailed colors for skin tones, wood grains, decorative art, furnishings, merchandising and more.

While CRI isn't going anywhere soon, it's important to familiarize yourself with the new TM-30 metrics as they will become more common in years to come.

METRIC	SCALE	DESCRIPTION
Fidelity Index (Rf) NEW	0 - 100	A measurement of fidelity comparable to CIE CRI (Ra) but averages the values of 99 color samples instead of 8. A higher value typically provides a more accurate rendition of color in comparison to a natural light source.
Gamut Index (Rg) NEW	60 - 140	Gamut (Rg) measures the average hue and saturation (chroma) shift of a light source using 99 color samples. A value of 60-99 indicates average desaturation. A value of 101-160 indicates average increased saturation.
Color Vector Graphic NEW	Visual	The Color Vector Graphic shows the relative saturation of multiple hues. It's important as it quickly conveys what types of colors are more or less saturated.
Fidelity Skin (Rf,skin) NEW	0 - 100	Fidelity Skin (Rf,skin) is an average of CES15 and CES18 skin tones. A higher value typically provides natural looking 'skin tones'.
Fidelity Red (R9)	0 - 100	Fidelity Red (R9) derives from a single, saturated, red color sample. A higher value is important for illuminating red surfaces, wood grains and skin tones.
CIE CRI (Ra)	<0 - 100	CRI (Ra) is a legacy measurement of Fidelity using 8 color samples and with an undefined lower scale. A higher value typically provides more accurate average rendition of color. Comparably, TM-30 fidelity (Rf) is a much more improved metric for accurate color rendition than CRI (Ra).

A combination of TM-30's Fidelity (Rf), Gamut (Rg) and Color Vector Graphic will help further clarify beyond the typical CRI metric how a test source compares to a reference source.

WHERE CAN YOU FIND TM–30 DATA
FOR DIODE LED PRODUCTS?

TM-30 data including the metrics above and other useful graphics are available for Diode LED's premier lines of lighting products at **www.DiodeLED.com**. Remember, not all applications require the highest quality lighting i.e. garages, warehouses and some outdoor environments. We can help you find the right light for the right application. Additionally, you can count on Diode LED to be at the forefront of understanding and implementing the latest technology to provide superior and quality products.

CRI VS TM–30 RENDERING TOOLS

CIE 13.3-1995 (CRI/Ra)
- Last major update was in 1976
- 8 main color samples (Ra), 6 special samples
- Measures Fidelity (Ra) only

IES TM-30-15
- Released in 2015
- 99 color samples
- Measures Fidelity (Rf), Gamut (Rg) and includes Color Vector Graphic for detailed hues

TM–30 COLOR CHART

TM-30 measures against 99 color samples, all used to provide Fidelity (Rf), Gamut (Rg) and Color Vector Graphics.

Visit us at www.DiodeLED.com to find up-to-date technical information about our products, including information about quality of light, compatibility charts, specification sheets, photometric data, wiring diagrams, educational tutorials, videos and more.

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LINEAR LED LIGHTING

Diode LED is the premier manufacturer of tape and strip light, providing the highest-quality and largest selection of linear LED lighting solutions on the market today. Whether your project requires ambient, task or accent lighting, your environment is indoors or out, we have linear LED lighting solutions that deliver the appropriate brightness, color rendering and run length for your application. We have the perfect solution to illuminate your space.

A   **VALENT® X**
Perfectly diffused high output light for high-end commercial applications.
(Page 25)

B   **HYDROLUME® STRIP LIGHT**
Fully submersible, UV resistant and UL Certified, this unique strip light is perfect for any outdoor and extreme environment applications.
(Page 32)

C   **FLUID VIEW® TAPE LIGHT**
Create ambient lighting anywhere with industry leading linear runs up to 67 ft.
(Pages 16-17)

D   **BLAZE™ TAPE LIGHT**
Our most popular tape light delivers high output light in a wide selection of color temperatures.
(Pages 18-19)

E   **CHROMAPATH® CHANNELS**
Pair our tape light with CHROMAPATH Channels to create tailored fixtures.
(Page 36)

Credit: Anderson Anderson Architecture

E

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Indoor LED Tape Light
Product Comparison Chart

Use the chart below to compare the entire line of Diode LED tape light and find out what works best for you.

PRODUCT	INPUT VOLTAGE	CCT		CRI	LUMENS / FT.	POWER CONSUMPTION /FT	MAX RUN	PAGE
FLUID VIEW® **12V LED Tape Light** Softest illumination tape light with the largest CCT selection.	12VDC		2000K	70	117	1.44W / ft.	37 ft.	16
			2400K	81	105			
			2700K	83	117			
			2850K	82	125			
			3000K	81	143			
			3300K	81	151			
			3500K	82	150			
			3800K	82	144			
			4200K	81	149			
			4400K	82	130			
			5000K	82	146			
			6300K	81	141			
			AMBER	N/A	69			
FLUID VIEW® **24V LED Tape Light** The best CRI with the longest linear runs in the industry. TITLE 24	24VDC		2000K	92	87	1.44W / ft.	67 ft.	17
			2400K	96	90			
			2700K	93	99			
			2850K	92	106			
			3000K	94	104			
			3300K	94	105			
			3500K	93	106			
			3800K	93	114			
			4200K	92	114			
			4400K	92	117			
			5000K	93	116			
			6300K	94	115			
BLAZE™ **12V LED Tape Light** The most popular tape light in the market 10 years running.	12VDC		2400K	81	252	2.88W / ft.	27 ft.	18
			2700K	83	293			
			2850K	82	250			
			3000K	81	286			
			3300K	81	299			
			3500K	82	280			
			3800K	83	270			
			4200K	82	304			
			4400K	82	258			
			5000K	83	317			
			6300K	82	276			
			Blue	N/A	41			
			Green	N/A	205			
			Red	N/A	101			
BLAZE™ **24V LED Tape Light** Large range of CCTs available in 90+ CRI. TITLE 24	24VDC		2400K	95	179	2.88W / ft.	33 ft.	19
			2700K	93	197			
			2850K	92	209			
			3000K	97	202			
			3300K	94	207			
			3500K	94	207			
			3800K	94	224			
			4200K	93	228			
			4400K	92	230			
			5000K	93	226			
			6300K	94	223			

ENVIRONMENT NOTE: Some of our indoor tape light is UL tested and certified for damp location installations. Please refer to the specification sheets for details on environmental ratings.

Indoor LED Tape Light
Product Comparison Chart

Use the chart below to compare the entire line of Diode LED tape light and find out what works best for you.

PRODUCT	INPUT VOLTAGE	CCT		CRI	LUMENS / FT.	POWER CONSUMPTION /FT	MAX RUN	PAGE
ULTRA BLAZE™ **12V LED Tape Light** High light output in a compact design.	12VDC		2700K	81	347	4.32W / ft.	16.4 ft.	20
			3000K	81	360			
			6300K	84	406			
ULTRA BLAZE™ **24V LED Tape Light** High light output in 20ft. runs.	24VDC		2700K	81	368	4.32W / ft.	20 ft.	20
			3000K	81	360			
			6300K	84	406			
DOUBLE BLAZE™ **12V LED Tape Light** Brightest 12V tape light available.	12VDC		2700K	83	517	5.75W / ft.	9.5 ft.	21
			3000K	81	543			
			3500K	83	530			
			4200K	82	528			
			5000K	81	579			
AVENUE 24™ **24V LED Tape Light** Architectural grade tape light. TITLE 24	24VDC		2700K	92	162	2.09W / ft.	40 ft.	23
			3000K	92	153			
			3500K	92	153			
			4200K	92	166			
			5000K	92	168			
VALENT® **12V LED Tape Light** True-to-life color rendering. TITLE 24	12VDC		2500K	93	144	2.2W / ft.	16.4 ft.	24
			2700K	92	150			
			3000K	92	157			
			4200K	95	170			
			5000K	94	170			
			6300K	93	177			
VALENT® High Density **12V LED Tape Light** Brightness in high definition. TITLE 24	12VDC		2500K	93	277	4.4W / ft.	16.4 ft.	24
			2700K	93	297			
			3000K	92	314			
			3500K	93	320			
			4200K	95	337			
			5000K	95	331			
			6300K	93	366			
VALENT® X **24V Tape Light** Perfectly diffused high output light with true-to-life color rendering.	24VDC		2500K	93	502	7.1W / ft.	8 ft.	25
			2700K	92	503			
			3000K	93	526			
			3500K	94	572			
			4200K	94	575			
			5000K	95	582			
			6300K	94	589			

**TITLE 24** HIGH EFFICACY LED REQUIREMENTS Products identified can be used to comply with 2016 Title 24, Part 6 High Efficacy Luminaire requirements in California. For more information, please go to... http://energy.Ca.Gov/title24/2016standards/

Wet Location LED Strip Light Product Comparison Chart

Use the chart below to compare the entire line of Diode LED strip light and find out what works best for you.

PRODUCT	INPUT VOLTAGE	CCT		CRI	LUMENS / FT.	POWER CONSUMPTION /FT	MAX RUN	PAGE
FLUID VIEW® **Wet Location** Featuring the turtle-safe AMBER color for applications near wildlife .	12VDC		3000K	85	100	1.44W / ft.	16.4 ft.	28
			AMBER	N/A	69			
BLAZE™ **Wet Location** High output lighting for wet environments.	12VDC		3000K	86	180	2.88W / ft.	16.4 ft.	29
			6300K	86	190			
INFINILINE® Driverless with long runs, you can plug INFINILINE into a standard receptical and illuminate indoors or outdoors.	120V AC		3000K	N/A	189	See Specification Sheet	164 ft.	31
			5000K	N/A	211			
			Red	N/A	51			
			Green	N/A	105			
			Blue	N/A	45			
HYDROLUME® Submersible, outdoor, wet applications and resistant to saltwater.	24VDC		3500K	76	75	1.13W / ft.	81.5 ft.	32
			6500K	82	82			
HYDROLUME® PLUS Submersible, outdoor, wet applications and resistant to saltwater.	24VDC		2700K	78	155	2.04W / ft.	32.6 ft.	32
			3500K	78	165			
			6500K	74	144			
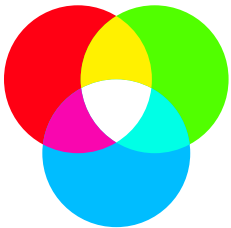
RETAIL & COMMERCIAL LIGHTING SOLUTIONS

CHROMAPATH®
Aluminum Channels

These patented LED tape light channels are stylish and provide a classic and modern design. They offer versatility while providing additional protection for LED tape light from dust, heat and other environmental debris.

Pair with our tape light to create tailored fixtures for any design. View our entire portfolio of channels on page 36.
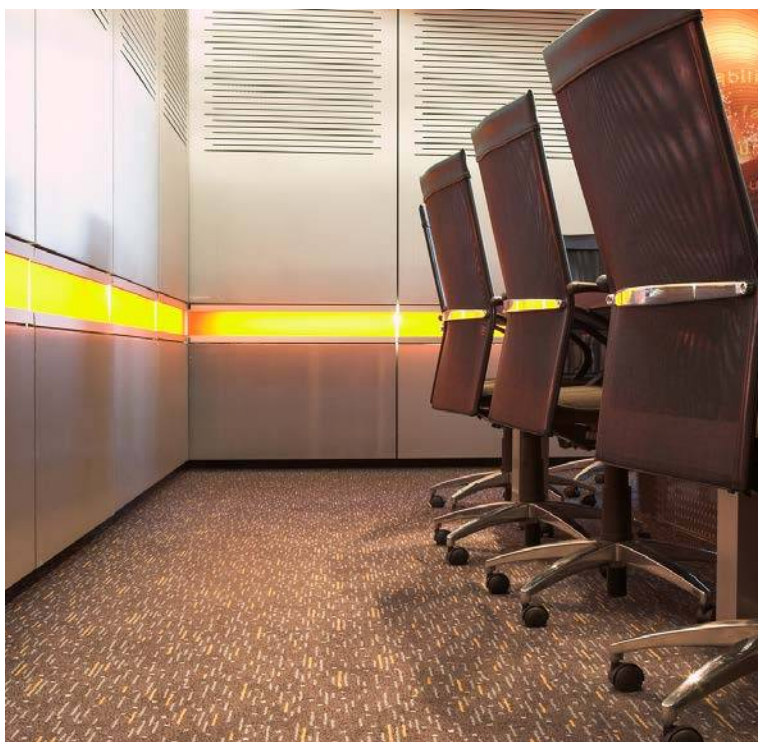
ACTUAL SIZE

FLUID VIEW® 12V LED Tape Light

FEATURES & BENEFITS

- Soft illumination
- Accent or ambient lighting
- Largest CCT selection

QUICK SPECS

Voltage	12VDC
Wattage	1.44W / ft.
Dimmable	Yes
Max. Run	37 ft.
Field Cuttable	Every 2 in.
Certification	UL Listed 2108

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

UL CERTIFIED SAFETY · cULus · CE · UL Listed Field Cuttable

12VDC · RoHS Compliant · UL RATED FOR CLOSET USE

ACCESSORIES FOR FOR THIS PRODUCT ON PAGE 26

SKU	LENGTH	CCT	CRI	LUMENS / FT.
DI-12V-1577	16.4 ft. spool	2000K	70	117
DI-12V-1578	100 ft. spool			
DI-12V-FV24-8016	16.4 ft. spool	2400K	81	105
DI-12V-FV24-80100	100 ft. spool			
DI-12V-FV27-8016	16.4 ft. spool	2700K	83	117
DI-12V-FV27-80100	100 ft. spool			
DI-12V-FV27-80400	400 ft.spool			
DI-12V-FV28-8016	16.4 ft. spool	2850K	82	125
DI-12V-FV28-80100	100 ft. spool			
DI-12V-FV30-8016	16.4 ft. spool	3000K	81	143
DI-12V-FV30-80100	100 ft. spool			
DI-12V-FV30-80400	400 ft. spool			
DI-12V-FV33-8016	16.4 ft. spool	3300K	81	151
DI-12V-FV33-80100	100 ft. spool			
DI-12V-FV35-8016	16.4 ft. spool	3500K	82	150
DI-12V-FV35-80100	100 ft. spool			
DI-12V-FV35-80400	400 ft. spool			
DI-12V-FV38-8016	16.4 ft. spool	3800K	82	144
DI-12V-FV38-80100	100 ft. spool			
DI-12V-FV42-8016	16.4 ft. spool	4200K	81	149
DI-12V-FV42-80100	100 ft. spool			
DI-12V-FV44-8016	16.4 ft. spool	4400K	82	130
DI-12V-FV44-80100	100 ft. spool			
DI-12V-FV50-8016	16.4 ft. spool	5000K	82	146
DI-12V-FV50-80100	100 ft. spool			
DI-12V-FV63-8016	16.4 ft. spool	6300K	81	141
DI-12V-FV63-80100	100 ft. spool			
DI-12V-FVAM-8016	16.4 ft. spool	AMBER	N/A	69
DI-12V-FVAM-80100	100 ft. spool			

FLUID VIEW® 24V LED Tape Light

FEATURES & BENEFITS

- Industry leading 67 ft. of continuous linear light
- High CRI for superior color rendering
- Commercial-grade lighting

QUICK SPECS

Voltage	24VDC
Wattage	1.44W / ft.
Dimmable	Yes
Max. Run	67 ft.
Field Cuttable	Every 4 in.
Certification	UL Listed 2108

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

ACTUAL SIZE

ACCESSORIES FOR FOR THIS PRODUCT ON PAGE 26

SKU	LENGTH	CCT	CRI	LUMENS / FT.
DI-24V-FV20-9067	67 ft. spool	2000K	92	87
DI-24V-FV20-90100	100 ft. spool			
DI-24V-FV24-9067	67 ft. spool	2400K	96	90
DI-24V-FV24-90100	100 ft. spool			
DI-24V-FV27-9067	67 ft. spool	2700K	93	99
DI-24V-FV27-90100	100 ft. spool			
DI-24V-FV27-90400	400 ft. spool			
DI-24V-FV28-9067	67 ft. spool	2850K	92	106
DI-24V-FV28-90100	100 ft. spool			
DI-24V-FV30-9067	67 ft. spool	3000K	94	104
DI-24V-FV30-90100	100 ft. spool			
DI-24V-FV30-90400	400 ft. spool			
DI-24V-FV33-9067	67 ft. spool	3300K	94	105
DI-24V-FV33-90100	100 ft. spool			
DI-24V-FV35-9067	67 ft. spool	3500K	93	106
DI-24V-FV35-90100	100 ft. spool			
DI-24V-FV35-90400	400 ft. spool			
DI-24V-FV38-9067	67 ft. spool	3800K	93	114
DI-24V-FV38-90100	100 ft. spool			
DI-24V-FV42-9067	67 ft. spool	4200K	92	114
DI-24V-FV42-90100	100 ft. spool			
DI-24V-FV44-9067	67 ft. spool	4400K	92	117
DI-24V-FV44-90100	100 ft. spool			
DI-24V-FV50-9067	67 ft. spool	5000K	93	116
DI-24V-FV50-90100	100 ft. spool			
DI-24V-FV63-9067	67 ft. spool	6300K	94	115
DI-24V-FV63-90100	100 ft. spool			

ACTUAL SIZE

BLAZE™ 12V LED Tape Light

FEATURES & BENEFITS

- Most popular lighting solution
- Closet-safe
- Wide CCT collection

QUICK SPECS

Voltage	12VDC
Wattage	2.88W / ft.
Dimmable	Yes
Max. Run	27 ft.
Field Cuttable	Every 1 in.
Certification	UL Listed 2108

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

UL CERTIFIED SAFETY | c(UL)us | CE | UL Listed Field Cuttable

12VDC | RoHS Compliant | UL RATED FOR CLOSET USE

ACCESSORIES FOR FOR THIS PRODUCT ON PAGE 26

SKU	LENGTH	CCT	CRI	LUMENS / FT.
DI-12V-BL24-8016	16.4 ft. spool	2400K	81	252
DI-12V-BL24-80100	100 ft. spool			
DI-12V-BL27-8016	16.4 ft. spool	2700K	83	293
DI-12V-BL27-80100	100 ft. spool			
DI-12V-BL27-80400	400 ft. spool			
DI-12V-BL28-80100	16.4 ft. spool	2850K	82	250
DI-12V-BL28-80400	100 ft. spool			
DI-12V-BL30-8016	16.4 ft. spool	3000K	81	286
DI-12V-BL30-80100	100 ft. spool			
DI-12V-BL30-80400	400 ft. spool			
DI-12V-BL33-8016	16.4 ft. spool	3300K	81	299
DI-12V-BL33-80100	100 ft. spool			
DI-12V-BL35-8016	16.4 ft. spool	3500K	82	280
DI-12V-BL35-80100	100 ft. spool			
DI-12V-BL35-80400	400 ft. spool			
DI-12V-BL38-8016	16.4 ft. spool	3800K	83	270
DI-12V-BL38-80100	100 ft. spool			
DI-12V-BL42-8016	16.4 ft. spool	4200K	82	304
DI-12V-BL42-80100	100 ft. spool			
DI-12V-BL44-80100	16.4 ft. spool	4400K	82	258
DI-12V-BL44-80400	100 ft. spool			
DI-12V-BL50-8016	16.4 ft. spool	5000K	83	317
DI-12V-BL50-80100	100 ft. spool			
DI-12V-BL63-8016	16.4 ft. spool	6300K	82	276
DI-12V-BL63-80100	100 ft. spool			
DI-12V-0142	16.4 ft. spool	Blue	N/A	41
DI-12V-BLBL-0100	100 ft. spool			
DI-12V-0141	16.4 ft. spool	Green	N/A	205
DI-12V-BLGN-0100	100 ft. spool			
DI-12V-0140	16.4 ft. spool	Red	N/A	101
DI-12V-BLRD-0100	100 ft. spool			

BLAZE™ 24V LED Tape Light

FEATURES & BENEFITS

- Up to 33 ft. of continuous linear light
- 90+ CRI for true-to-life color rendering
- Bright for task and work spaces

QUICK SPECS

Voltage	24VDC
Wattage	2.88 W / ft.
Dimmable	Yes
Max. Run	33 ft.
Field Cuttable	Every 2 in.
Certification	UL Listed 2108

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

ACTUAL SIZE

ACCESSORIES FOR FOR THIS PRODUCT ON PAGE 26

SKU	LENGTH	CCT	CRI	LUMENS / FT.
DI-24V-BL24-9033	33 ft. spool	2400K	95	179
DI-24V-BL24-90100	100 ft. spool			
DI-24V-BL27-9033	33 ft. spool	2700K	93	197
DI-24V-BL27-90100	100 ft. spool			
DI-24V-BL27-90400	400 ft. spool			
DI-24V-BL28-9033	33 ft. spool	2850K	92	209
DI-24V-BL28-90100	100 ft. spool			
DI-24V-BL30-9033	33 ft. spool	3000K	97	202
DI-24V-BL30-90100	100 ft. spool			
DI-24V-BL30-90400	400 ft. spool			
DI-24V-BL33-9033	33 ft. spool	3300K	94	207
DI-24V-BL33-90100	100 ft. spool			
DI-24V-BL35-9033	33 ft. spool	3500K	94	207
DI-24V-BL35-90100	100 ft. spool			
DI-24V-BL35-90400	400 ft. spool			
DI-24V-BL38-9033	33 ft. spool	3800K	94	224
DI-24V-BL38-90100	100 ft. spool			
DI-24V-BL42-9033	33 ft. spool	4200K	93	228
DI-24V-BL42-90100	100 ft. spool			
DI-24V-BL44-9033	33 ft. spool	4400K	92	230
DI-24V-BL44-90100	100 ft. spool			
DI-24V-BL50-9033	33 ft. spool	5000K	93	226
DI-24V-BL50-90100	100 ft. spool			
DI-24V-BL63-9033	33 ft. spool	6300K	94	223
DI-24V-BL63-90100	100 ft. spool			

ULTRA BLAZE™ LED Tape Light

ULTRA BLAZE 12V

ULTRA BLAZE 24V

FEATURES & BENEFITS

- High output with low profile
- Commercial-grade illumination
- 24V model features extended run length

QUICK SPECS

Voltage	12VDC & 24VDC
Wattage	4.32W / ft.
Dimmable	Yes
Max. Run	16.4 ft. (12V) | 20 ft. (24V)
Field Cuttable	2 in. (12V) | 4 in. (24V)
Certification	UL Listed 2108

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

UL CERTIFIED SAFETY | cULus | CE | UL Listed Field Cuttable

12VDC | 24VDC | RoHS Compliant

ACCESSORIES FOR FOR THESE PRODUCTS ON PAGE 26

12V ULTRA BLAZE

UL RATED FOR CLOSET USE — Only 12VDC version of ULTRA BLAZE UL Rated for closet use.

SKU	LENGTH	INPUT VOLTAGE	CCT	CRI	LUMENS / FT.
DI-12V-UB27-8016	16.4 ft. spool	12VDC	2700K	81	347
DI-12V-UB27-80100	100 ft. spool				
DI-12V-UB30-8016	16.4 ft. spool	12VDC	3000K	81	360
DI-12V-UB30-80100	100 ft. spool				
DI-12V-UB63-8016	16.4 ft. spool	12VDC	6300K	84	406
DI-12V-UB63-80100	100 ft. spool				

24V ULTRA BLAZE

SKU	LENGTH	INPUT VOLTAGE	CCT	CRI	LUMENS / FT.
DI-24V-UB27-8020	20 ft. spool	24VDC	2700K	81	368
DI-24V-UB27-80100	100 ft. spool				
DI-24V-UB30-8020	20 ft. spool	24VDC	3000K	82	362
DI-24V-UB30-80100	100 ft. spool				
DI-24V-UB63-8020	20 ft. spool	24VDC	6300K	84	415
DI-24V-UB63-80100	100 ft. spool				

DOUBLE BLAZE™ 12V LED Tape Light

FEATURES & BENEFITS

- Highest efficacy tape light offering
- Commercial-grade illumination
- Overhead-ready when paired with CHROMAPATH®

QUICK SPECS

Voltage	12VDC
Wattage	5.75W / ft.
Dimmable	Yes
Max. Run	9.5 ft.
Field Cuttable	Every 1 in.
Certification	UL Listed 2108

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

SKU	LENGTH	CCT	CRI	LUMENS / FT.
DI-12V-DB27-8009	9.5 ft. spool	2700K	83	517
DI-12V-DB27-80100	100 ft. spool			
DI-12V-DB30-8009	9.5 ft. spool	3000K	81	543
DI-12V-DB30-80100	100 ft. spool			
DI-12V-DB35-8009	9.5 ft. spool	3500K	83	530
DI-12V-DB35-80100	100 ft. spool			
DI-12V-DB42-8009	9.5 ft. spool	4200K	82	528
DI-12V-DB42-80100	100 ft. spool			
DI-12V-DB50-8009	9.5 ft. spool	5000K	81	579
DI-12V-DB50-80100	100 ft. spool			

DOUBLE BLAZE™ Tape Light Accessories

PRODUCT IMAGE	SKU	DESCRIPTION
	DI-DBS-5	Splice Connector - 3 in. 5-Pack
	DI-DBD-5	DC Plug Connector - 5.4 in. - 5-Pack
	DI-DBX-5	Bending Extension - 3 in. - 5-Pack
	DI-DBL-5	Tape Link Connector - 5-Pack

AVENUE 24™ Premium 24V LED Tape Light

FEATURES & BENEFITS

- Up to 40 ft. run lengths
- 90+ CRI: Superior color rendering
- Architectural-grade lighting applications

QUICK SPECS

Voltage	24VDC
Wattage	2.09W / ft.
Dimmable	Yes
Max. Run	40 ft.
Field Cuttable	Every 4 in.
Certification	UL Listed 2108

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

ACTUAL SIZE

ACCESSORIES FOR FOR THIS PRODUCT ON PAGE 26

SKU	LENGTH	CCT	CRI	R9	R13	LUMENS / FT.
DI-24V-AV27-9040	40 ft. spool	2700K	95	78	96	134
DI-24V-AV30-9040	40 ft. spool	3000K	90	60	90	141
DI-24V-AV35-9040	40 ft. spool	3500K	91	57	93	182
DI-24V-AV42-9040	40 ft. spool	4200K	92	74	93	167
DI-24V-AV50-9040	40 ft. spool	5000K	90	66	91	176

VALENT® Premium 12V LED Tape Light

ACTUAL SIZE

VALENT

VALENT HD

FEATURES & BENEFITS

- Engineered for optimal true-to-life color rendering
- Superior color rendering: High CRI, R9, & R13
- Two light output options for any application

QUICK SPECS

Voltage	12VDC
Wattage	(V) 2.2W / ft. | (VHD) 4.4W / ft.
Dimmable	Yes
Max. Run	16.4 ft.
Field Cuttable	(V) 2 in. | (VHD) 4 in.
Certification	UL Listed 2108

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

12VDC **RoHS Compliant** **TITLE 24 HIGH EFFICACY LED REQUIREMENTS — CAN BE USED TO COMPLY WITH**

ACCESSORIES FOR FOR THESE PRODUCTS ON PAGE 26

VALENT

SKU	LENGTH	TYPE	CCT	CRI	R9	R13	LUMENS / FT.
DI-12V-1VA25-9016	16.4 ft. spool	VALENT	2500K	93	61.7	94	144
DI-12V-1VA25-90100	100 ft. spool						
DI-12V-1VA27-9016	16.4 ft. spool	VALENT	2700K	92	68.9	92	150
DI-12V-1VA27-90100	100 ft. spool						
DI-12V-1VA30-9016	16.4 ft. spool	VALENT	3000K	92	65.6	92	157
DI-12V-1VA30-90100	100 ft. spool						
DI-12V-1VA42-9016	16.4 ft. spool	VALENT	4200K	95	84.6	95	170
DI-12V-1VA42-90100	100 ft. spool						
DI-12V-1VA50-9016	16.4 ft. spool	VALENT	5000K	94	84.0	95	170
DI-12V-1VA50-90100	100 ft. spool						
DI-12V-1VA63-9016	16.4 ft. spool	VALENT	6300K	93	83.9	93	177
DI-12V-1VA63-90100	100 ft. spool						

VALENT High Density

SKU	LENGTH	TYPE	CCT	CRI	R9	R13	LUMENS / FT.
DI-12V-2VA25-9016	16.4 ft. spool	VALENT HD	2500K	93	61.6	94	277
DI-12V-2VA25-90100	100 ft. spool						
DI-12V-2VA27-9016	16.4 ft. spool	VALENT HD	2700K	93	68.9	92	297
DI-12V-2VA27-90100	100 ft. spool						
DI-12V-2VA30-9016	16.4 ft. spool	VALENT HD	3000K	92	65.6	92	314
DI-12V-2VA30-90100	100 ft. spool						
DI-12V-2VA35-9016	16.4 ft. spool	VALENT HD	3500K	93	65	91	320
DI-12V-2VA35-90100	100 ft. spool						
DI-12V-2VA42-9016	16.4 ft. spool	VALENT HD	4200K	95	84.6	95	337
DI-12V-2VA42-90100	100 ft. spool						
DI-12V-2VA50-9016	16.4 ft. spool	VALENT HD	5000K	95	91.6	97	331
DI-12V-2VA50-90100	100 ft. spool						
DI-12V-2VA63-9016	16.4 ft. spool	VALENT HD	6300K	93	83.9	93	366
DI-12V-2VA63-90100	100 ft. spool						

VALENT® X
Perfectly Diffused Commercial Lighting

VALENT X LED Lighting is a linear lighting solution designed and engineered to provide high quality natural LED light with total linear diffusion. Combined with CHROMAPATH® Aluminum Channels, VALENT X provides a tailored fixture with smooth, vibrant, uninterrupted light output. No hot-spots or dark areas.

FEATURES & BENEFITS

- 90+ CRI: True-to-life color rendering
- Over 500 lumens per foot
- Wide CCT options
- Perfect diffusion
- Customized solutions
- Assembled and shipped from our Northern California facility

IN-HOUSE CUSTOMIZATION

Get a quote today! 877.817.6028
or email quotes@DiodeLED.com

VALENT X FIXTURES WITH
CHROMAPATH

SLIM

SQUARE

45°

VALENT X is only available as a custom lighting fixture, installed in the top-selling, patented CHROMAPATH Channels*.

View CHROMAPATH on pages 40-42.
*Only for use in SLIM, SQUARE and 45° models.

UL CERTIFIED SAFETY   RoHS Compliant   CUSTOMIZABLE   90+ HIGH CRI
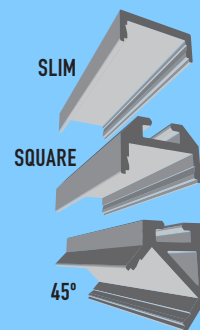
MODEL OFFERINGS

CCT	CRI	LUMENS / FOOT
2500K	93	502
2700K	92	503
3000K	93	526
3500K	94	572
4200K	94	575
5000K	95	582
6300K	94	589

QUICK SPECS

Voltage	24VDC
Wattage	7.1W / ft.
Max. Run	8 ft.

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

CLICKTIGHT® PRO Connectors

TAPE LIGHT COMPATIBILITY:

- AVENUE 24™ LED Tape Light
- BLAZE™ LED Tape Light
- FLUID VIEW® LED Tape Light
- ULTRA BLAZE™ LED Tape Light
- VALENT® LED Tape Light

CLICKTIGHT PRO Tape-to-Tape Connector

Patent pending connectors used to attach identical LED tape light types resulting in a continuous linear run.

- Comes in a pack of 5
- Includes 10 tape light fasteners and 20 screws

CLICKTIGHT PRO Tape-to-Wire Connector

Connect Diode LED tape light to your custom length of wire via spade connection (24AWG − 18AWG). Ideal for use as a low voltage power feed or as a bending extension to jump corners and obstacles.

- Comes in a pack of 10 with 25 spade connectors
- 10 wire fasteners with 10 nails

SKU	TYPE	BUNDLE OPTIONS
DI-CKTP-TTT-5	Tape-To-Tape Connector	Pack of 5
DI-CKTP-TTW-10	Tape-To-Wire Connector	Pack of 10

TAPEGUARD® LED Tape Light Cover

TAPE LIGHT COMPATIBILITY:

AVENUE 24™
FLUID VIEW®
BLAZE™
VALENT®
DAZZLE 24® RGB
DAZZLE 24® RGBW

The TAPEGUARD LED Tape Light Cover is the easiest way to provide protection for indoor LED lighting installations. TAPEGUARD covers and protects tape light from dust, grease and dirt and creates a surface that can be easily wiped clean. Choose a clear cover for maximum light output or a frosted cover for subtle light diffusion.

SKU (Single unit)	BUNDLE SKU (Pack of 10)	TYPE
DI-TAPE-GRD-FR	DI-TAPE-GRD-FR-10	Frosted Cover
DI-TAPE-GRD-CL	DI-TAPE-GRD-CL-10	Clear Cover

Tape Light Fastener

Tape Light Fasteners help keep LED tape light organized and secure while supporting connections. Screws are included.

SKU	BUNDLE OPTIONS
DI-WM-TF	Pack of 10

CLICKTIGHT® Single Color Tape Light Connectors

CLICKTIGHT Connectors are an easy way to install your standard single color LED tape light out in the field. Enhancements have been made to the 8mm and 10mm CLICKTIGHT connectors to make it even easier and faster to complete your installation.

New LED window to 8mm CLICKTIGHT Connectors
(Applies to BLAZE™, FLUID VIEW® and AVENUE 24™)
Enhancements include a unique LED window to allow the LED tape light to be applied deeper into the connector, solving cut point limitations found on tighter density tape light such as 12V and 24V BLAZE. No longer will you have to remember special cutting instructions or lose any unused LED tape segments.

New LED chip window for better connections
BLAZE, FLUID VIEW & AVENUE 24

New UL Listed 2464 Wire
Enhancements to both 8mm and 10mm CLICKTIGHT Connectors include the UL Listed 2464 lead wire to ensure installations meet UL and NEC code compliance.

For a limited time, the previous version CLICKTIGHT Connectors will be available with limited inventory. Please reference the Diode LED Price Guide and website for details on product SKU and availability.

Connector Note: Class 2 maximum load limit on all CLICKTIGHT tape light connectors.
60W on 12V circuits
96W on 24V circuits

PRODUCT IMAGE	PRODUCT NAME	SKU (PACK OF 5)	SKU (PACK OF 25)	LENGTH	LED TAPE LIGHT COMPATIBILITY	
					AVENUE 24® BLAZE™ FLUID VIEW®	ULTRA BLAZE™ VALENT®
	CLICKTIGHT Tape Link Connector	DI-CKT-TL8-5	DI-CKT-TL8-25	-	●	
		DI-CKT-TL10-5	DI-CKT-TL10-25	-		●
	CLICKTIGHT DC Plug Connector	DI-CKT-DC8-5	DI-CKT-DC8-25	-	●	
		DI-CKT-DC10-5	DI-CKT-DC10-25	-		●
	CLICKTIGHT Splice Connector	DI-CKT-3SP8-5	DI-CKT-3SP8-25	3 in.	●	
		DI-CKT-24SP8-5	DI-CKT-24SP8-25	24 in.	●	
		DI-CKT-48SP8-5	DI-CKT-48SP8-25	48 in.	●	
		DI-CKT-96SP8-5	DI-CKT-96SP8-25	96 in.	●	
		DI-CKT-3SP10-5	DI-CKT-3SP10-25	3 in.		●
		DI-CKT-24SP10-5	DI-CKT-24SP10-25	24 in.		●
		DI-CKT-48SP10-5	DI-CKT-48SP10-25	48 in.		●
	CLICKTIGHT Flexible Extension Connector	DI-CKT-3BX8-5	DI-CKT-3BX8-25	3 in.	●	
		DI-CKT-6BX8-5	DI-CKT-6BX8-25	6 in.	●	
		DI-CKT-12BX8-5	DI-CKT-12BX8-25	12 in.	●	
		DI-CKT-24BX8-5	DI-CKT-24BX8-25	24 in.	●	
		DI-CKT-48BX8-5	DI-CKT-48BX8-25	48 in.	●	
		DI-CKT-3BX10-5	DI-CKT-3BX10-25	3 in.		●
		DI-CKT-6BX10-5	DI-CKT-6BX10-25	6 in.		●
		DI-CKT-12BX10-5	DI-CKT-12BX10-25	12 in.		●
		DI-CKT-24BX10-5	DI-CKT-24BX10-25	24 in.		●
		DI-CKT-48BX10-5	DI-CKT-48BX10-25	48. in		●

ACTUAL SIZE

FLUID VIEW® 12V Wet Location LED Strip Light

FEATURES & BENEFITS

- Protected from wet environments
- Excellent color rendering
- Only wild life certified strip light (Amber)

QUICK SPECS

|	
Voltage	12VDC
Wattage	1.44W / ft.
Dimmable	Yes
Max. Run	16.4 ft.
Field Cuttable	Every 2 in.
Certification	UL Listed 2108

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

UL CERTIFIED SAFETY   c UL us   CE   UL Listed Field Cuttable

12VDC   WET LOCATION   RoHS Compliant   UL RATED FOR CLOSET USE

ACCESSORIES FOR FOR THIS PRODUCT ON PAGE 30

SKU	LENGTH	CCT	CRI	LUMENS / FT.
DI-12V-FV30-W8016	16.4 ft. spool	3000K	85	100
DI-12V-FVAM-W8016	16.4 ft. spool	AMBER	N/A	69

WILDLIFE LIGHTING
PROTECTING WILDLIFE THROUGH RESPONSIBLE LIGHTING PRACTICES

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION CERTIFIED LIGHTING PRODUCTS

Amber holds this esteemed certification and demonstrates how Diode LED products play a helpful role in the environment. Lighting is mounted close to the surface and produces low lumens with long wavelengths (560nm or longer) to protect animals in their natural environment.

BLAZE™ 12V Wet Location LED Strip Light

ACTUAL SIZE

FEATURES & BENEFITS

- Protected from wet environments
- Excellent color rendering
- High output brightness

QUICK SPECS

Voltage	12VDC
Wattage	2.88W / ft.
Dimmable	Yes
Max. Run	16.4 ft.
Field Cuttable	Every 1 in.
Certification	UL Listed 2108

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

UL CERTIFIED SAFETY   c**UL**us   CE   UL Listed Field Cuttable

12VDC   WET LOCATION   RoHS Compliant   UL RATED FOR CLOSET USE

ACCESSORIES FOR FOR THIS PRODUCT ON PAGE 30

SKU	LENGTH	CCT	CRI	LUMENS / FT.
DI-12V-BL30-W8016	16.4 ft. spool	3000K	86	180
DI-12V-BL63-W8016	16.4 ft. spool	6300K	86	190

TAILORED LED STRIP LIGHT FOR WET ENVIRONMENTS

Diode LED's tailored assembly program includes Wet Location LED Strip Light for specified lengths in environments exposed to moisture.

Our team of highly skilled technicians will assemble your Wet Location Strip Light to the lengths you specify complete with leads and connections. Don't let labor, time and e-waste costs slow your project down.

Contact our Customer Service Team or visit **www.DiodeLED.com** for more details.

Wet Location Strip Light Accessories

Connector Note: Class 2 maximum load limit on all CLICKTIGHT tape light connectors.

60W on 12V circuits
96W on 24V circuits

Wet Location Splice Connector Pair

PRODUCT IMAGE	SKU	BUNDLE OPTIONS
	DI-10MM-WL-SCP-5	Pack of 5
	DI-10MM-WL-SCP-25	Pack of 25

Wet Location DC Adapter Connector

PRODUCT IMAGE	SKU	PLUG GENDER	BUNDLE OPTIONS
	DI-10MM-WL-DC-F-5	Female	Pack of 5
	DI-10MM-WL-DC-F-25	Female	Pack of 25
	DI-10MM-WL-DC-M-5	Male	Pack of 5
	DI-10MM-WL-DC-M-25	Male	Pack of 25

Wet Location Male-to-Female Extension Cable

PRODUCT IMAGE	SKU	LENGTH	BUNDLE OPTIONS
	DI-10MM-WL6-EXT-5	6 in.	Pack of 5
	DI-10MM-WL6-EXT-25	6 in.	Pack of 25
	DI-10MM-WL12-EXT-5	12 in.	Pack of 5
	DI-10MM-WL12-EXT-25	12 in.	Pack of 25
	DI-10MM-WL24-EXT-5	24 in.	Pack of 5
	DI-10MM-WL24-EXT-25	24 in.	Pack of 25

Wet Location LED Splitter Plug

PRODUCT IMAGE	SKU	TYPE	BUNDLE OPTIONS
	DI-10MM-WLSP2-5	2-Way	Pack of 5
	DI-10MM-WLSP2-25	2-Way	Pack of 25
	DI-10MM-WLSP3-5	3-Way	Pack of 5
	DI-10MM-WLSP3-25	3-Way	Pack of 25
	DI-10MM-WLSP5-5	5-Way	Pack of 5
	DI-10MM-WLSP5-25	5-Way	Pack of 25

MOUNTING CLIPS

SKU	DESCRIPTION
DI-0754	Pack of 10

WET LOCATION END-CAPS

SKU	DESCRIPTION
DI-0755	Pack of 10

SILICONE SEALANT

SKU	DESCRIPTION
DI-WPSL	Single

INFINILINE®

Our INFINILINE 120V LED Strip Light excels at large scale applications with a complete plug-in installation for continuous indoor/outdoor LED lighting. Designed and built to provide high output lighting and long distance linear performance, INFINILINE is a direct-connect to 120V LED light source, simply put - there is no need for a driver. This unique plug-and-go lighting solution works well with any architectural or landscape project as installation is cost-effective and hassle free.

UP TO 164 FT OF LIGHTING

DIRECT-CONNECT TO FREEDOM

- **NO DRIVER REQUIRED**
  INFINILINE plugs into a standard 120VAC receptacle

- **IP44 RATED**
  Great for indoor and outdoor environments

- **FACTORY FINISHED**
  In-stock, made-to-order and ships in 5–7 business days

- **LONG RUNS**
  Continuous light up to 164 feet

APPLICATIONS

- Architectural affects
- Landscaping
- Long corridors and coves
- Indoor/outdoor pathways
- Stairways
- Patio and decks

CONNECTION TYPE

Each factory finished order of INFINILINE features a standard 120VAC electrical connection.

c ETL us LISTED Intertek   120V AC   WET LOCATION   CUSTOMIZABLE

QUICK SPECS

Voltage	120VAC
Max. Run	164 ft.
Environment	Indoor / outdoor

Visit www.DiodeLED.com for specification sheets, install guides, IES files and photometric reports.

INFINILINE 2 Coming Soon
Newly Designed & Patent Pending
Features include:
- Enhanced specifications
- Multiple connection options

MODEL OFFERINGS

CCT	LUMENS / FT.
3000K	189
5000K	211
Red	51
Green	105
Blue	45

Contact Diode LED Customer Service for buying options or speak to your dealer.

Contact us for a quote!
877.817.6028
or email
quotes@ DiodeLED.com

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HYDROLUME®
LED Lighting for All Environments

POPULAR APPLICATIONS

- Indoor/outdoor accent lighting
- Steps, paths and driveways
- Decks, gardens and trellises
- Coastlines, marine areas and docks
- Pools, fountains and water features
- Garages and woodworking workshops

The patent pending HYDROLUME is the only flexible submersible strip light that is UL Listed to Standards UL 676 and UL 2108 in accordance with the following Articles of the National Electrical Code® (NEC):

Article 680 Swimming Pools, Fountains and Similar Installations
Article 682 Natural and Artificially Made Bodies of Water
Article 411 Lighting Systems Operating at 30 Volts or Less and Lighting Equipment Connected to Class-2 Power Sources

HYDROLUME is certified under UL 676 - Underwater Luminaires. This certification conforms to Article 680 of the National Electrical Code for installation in Swimming Pools and Spas when installed with the Mounting Channel (DI-HL-MTCH) on the next page. It also conforms to Article 682 of the NEC for installation in Fountains.

HYDROLUME 24V LED Strip Light

MODEL TYPE	CCT		LUMENS / FT.
HYDROLUME		3500K	75
HYDROLUME		6500K	82
HYDROLUME PLUS		2700K	155
HYDROLUME PLUS		3500K	165
HYDROLUME PLUS		6500K	144
HYDROLUME RGB		RGB COMING SOON	

Contact Diode LED Customer Service for buying options or speak to your dealer.

QUICK SPECS

Voltage	24VDC
Wattage	(H) 1.13W/ft.	(HP) 2.04W/ft.
Dimmable	Yes
Max. Run	(H) 81.5 ft.	(HP) 32.6 ft.
Field Cuttable	Non-Cuttable
Environment	IP68
Certification	UL Listed 676 & 2108

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

Fully submersible in pools and fountains.

Resistant to high heat and extreme sun exposure.

UV–RESISTANT
No degradation or discoloration in direct sunlight

SALTWATER–RESISTANT
Increased longevity in coastal and marine environments

CHLORINE & POOL SAFE
Enhanced performance in treated water
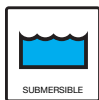
SUBMERSIBLE
Waterproof, fully submersible and weather resistant

LOW VOLTAGE
Minimal heat and greater safety

CUSTOMIZABLE
On-demand lengths are manufactured in-house

MANUFACTURED AND SHIPPED IN 5–7 BUSINESS DAYS.

HYDROLUME Accessories

HYDROLUME Mounting Bracket
SKU: DI-HL-MTBR
This bracket mounts to surfaces with a single screw. HYDROLUME is then snapped into place. Packs of ten.

HYDROLUME Stake Bracket
SKU: DI-HL-STBR
This bracket raises the strip light so that it's clear of low foliage, dirt and surface obstructions. Packs of four.

HYDROLUME Mounting Channel*
SKU: DI-HL-MTCH
These 39.4 in. (1 meter) mounting channels are easily trimmed to custom lengths. Packs of two.

*HYDROLUME Mounting Channel Brackets DI-HL-MTCH are required for use in Pools, Spas, and Fountain applications.

We factory-finish HYDROLUME in our California based Operations Center.

Get a quote today!
877.817.6028
www.DiodeLED.com

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TAILORED
BUILT YOUR WAY & READY TO INSTALL

CUSTOM FINISHED LED TAPE & STRIP LIGHT

Order Diode LED tape and strip light in specified lengths with the connection of your choice. No more cutting and soldering. View our linear light options on page 9.

CUSTOM CUT CHROMAPATH® CHANNELS

Factory finished CHROMAPATH Channels and covers are cut to specified lengths. You have many stylish model options to choose from with Diode LED.

FULLY LOADED FIXTURES WITH LED TAPE LIGHT

Create a customized, low-profile light fixture to specified length and color temperature by adding your choice of LED tape light to your preferred CHROMAPATH Channel.

Credit: B+N Industries Inc.

FIXTURES

OUR PROJECT SUPPORT TEAM IS STANDING BY

Detailed quotes are provided for complex installations to include lighting sections, connections, layout design and more.

Call toll-free at **877.817.6028**
or email **quotes@DiodeLED.com**
to start your custom solution today.

diode led ®
a division of elemental LED
www.DiodeLED.com

A

B

Credit: Anderson Anderson Architecture

C

Credit: DSPTCH San Francisco

D
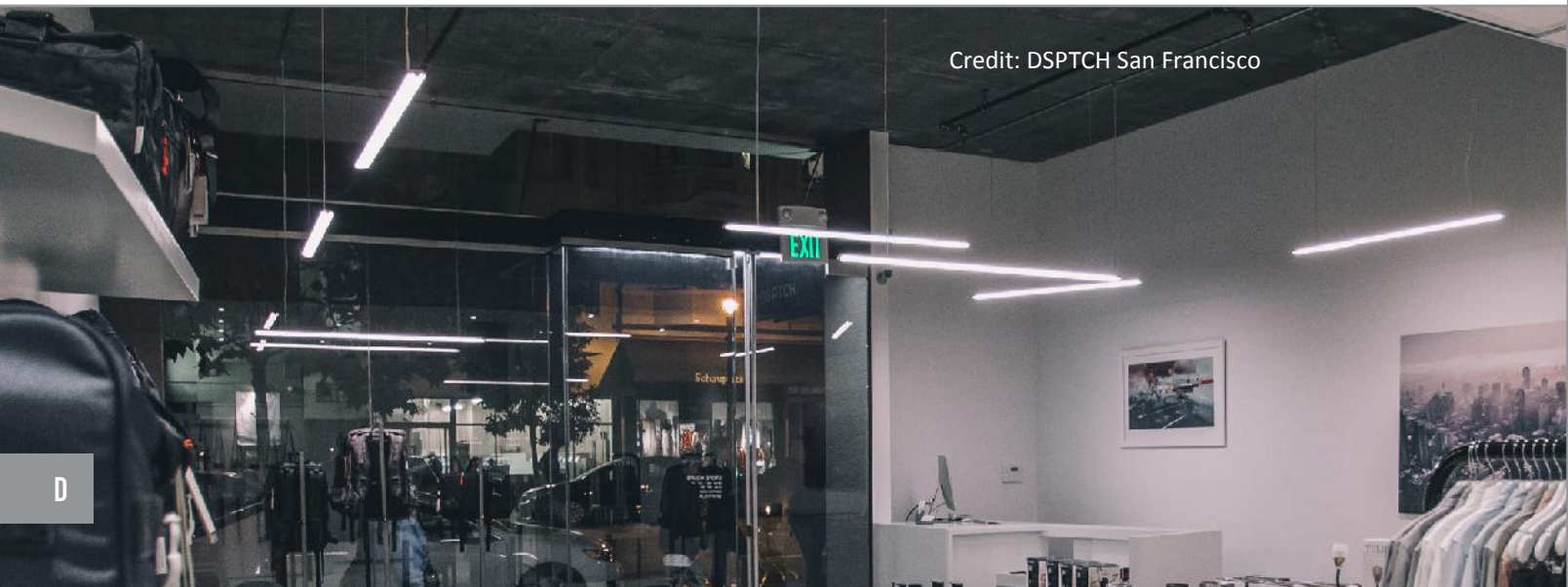
TAILORED FIXTURES

HOW IT WORKS

1 Specify your lighting requirements for brightness, color and dimensions.

2 Choose the linear LED tape light that is best for your application.

3 Select the CHROMAPATH channel form factor that is optimal for your project.

4 Talk to a representative about connections and installation.

You now have a custom lighting solution that is made to your specifications and ready to install.

CHROMAPATH® ALUMINUM CHANNELS

Our patented CHROMAPATH Channels are a must have accessory for your stylish, efficient and high-impact linear lighting design. These channels not only provide light diffusion to enhance any space, but also protect indoor LED tape light from dust and other elements.

A **NEW COLOR OPTIONS**
Introducing new satin black and glossy white options along side the familiar brushed aluminum finish.
(Pages 40-43)

B **STYLE YOUR WAY**
Take advantage of Diode LED's vast tape light portfolio to create your own fixture with amazing impact.
(Pages 45-49)

C **PREMIUM DIFFUSION**
High quality lighting without the hot spots or dots thanks to our Premium Diffusion Channel Covers.
(Pages 40-42)

D **HANGING FIXTURES**
Design hanging fixtures in ways never seen before.
(Page 43 & 46)

SLIM   **45°**   **SQUARE**   **DUO**
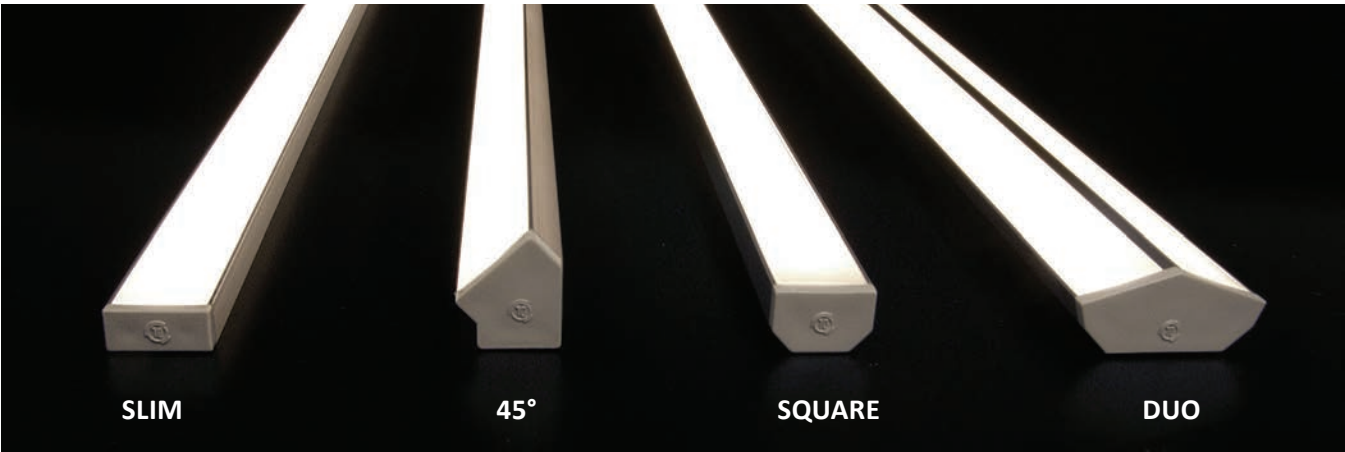
CHROMAPATH® BUILDER CHANNELS
ASSEMBLE YOUR FIXTURE THE WAY YOU WANT

GLOSSY WHITE

ALUMINUM

SATIN BLACK

SLIM Channel pictured here.

FEATURES & BENEFITS
- Industrial extrusions for custom lighting
- In-house and field cuttable channels to work with individual specifications
- Channels act as a heat sink, cooling and prolonging the LED tape light lifespan
- Provides additional defense from dust and debris, protecting your LED investment

CHROMAPATH BUILDER OVERVIEW

	SLIM	45°	SQUARE	DUO
FINISH				
Aluminum	•	•	•	•
Glossy White	•	•	•	•
Satin Black	•	•	•	•
LENGTH				
48 in.	•	•	•	•
96 in.	•	•	•	
COVER OPTIONS				
Premium Diffusion	•	•	•	
Frosted	•	•	•	•
Clear	•	•	•	•

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

Credit: DSPTCH San Francisco

Credit: Anderson Anderson Architecture

CHROMAPATH® BUILDER
SLIM

0.82 in.

0.38 in.

MOUNTING: Surface or Recessed

Tape Light   Channel

Channel Cover
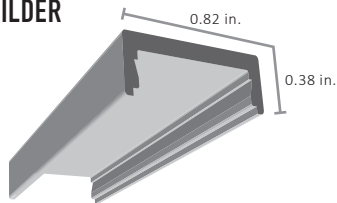
INCLUDES
SLIM channel only

COMPATIBILITY

FLUID VIEW®	DOUBLE BLAZE™	VALENT® X
BLAZE™	VALENT®	AVENUE 24™
ULTRA BLAZE™	VALENT® HD	DAZZLE® RGB(W)
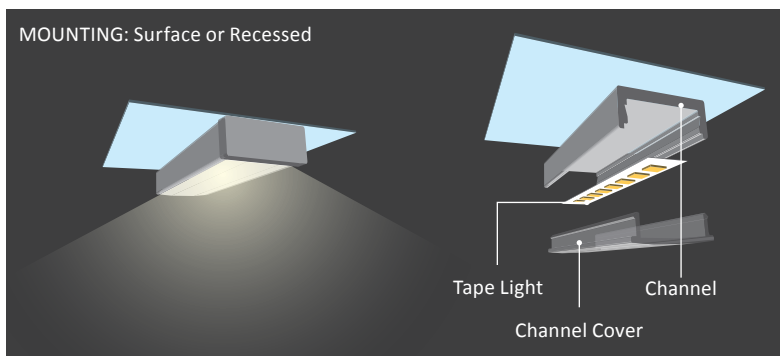
CHANNEL OPTIONS

☐ SKU ALUMINUM	☐ SKU WHITE FINISH	■ SKU BLACK FINISH	LENGTH	BUNDLE OPTION
DI-CPCHA-SL48	DI-CPCHA-SL48W	DI-CPCHA-SL48B	48 in.	Single
DI-CPCHA-SL48-10	DI-CPCHA-SL48W-10	DI-CPCHA-SL48B-10	48 in.	Pack of 10
DI-CPCHA-SL96	DI-CPCHA-SL96W	DI-CPCHA-SL96B	96 in.	Single
DI-CPCHA-SL96-10	DI-CPCHA-SL96W-10	DI-CPCHA-SL96B-10	96 in.	Pack of 10

PREMIUM DIFFUSION COVER AND END-CAP

PRODUCT INFORMATION	

PREMIUM DIFFUSION COVER (PD):
The ultimate in total diffusion for uninterrupted continuous LED light output.
Note: warm shift in Kelvin of 75K and an average 24% decrease in delivered lumens. Refer to install guide for optimal performance guidelines.

SKU	FORM FACTOR	LENGTH	BUNDLES
DI-CPCHC-PD48	PD Cover	48 in.	Single
DI-CPCHC-PD48-10	PD Cover	48 in.	Pack of 10
DI-CPCHC-PD96	PD Cover	96 in.	Single
DI-CPCHC-PD96-10	PD Cover	96 in.	Pack of 10

PRODUCT IMAGE	FORM FACTOR
	SLIM Premium Diffusion End-Cap 5 extra sets

☐ SKU ALUMINUM	☐ SKU WHITE FINISH	■ SKU BLACK FINISH
DI-CPEC-SLPD	DI-CPEC-SLPDW	DI-CPEC-SLPDB

STANDARD COVERS FROSTED / CLEAR AND END-CAPS

PRODUCT INFORMATION	

FROSTED COVER:
Protects LED tape light and slightly softens light.
Note: Average warm shift in Kelvin of 35K and average 28% decrease in delivered lumens.

CLEAR COVER:
Protects the LED tape light with no visible color shift or change in delivered lumens.

SKU	FORM FACTOR	LENGTH	BUNDLES
DI-CPCHC-FR48	Frosted Cover	48 in.	Single
DI-CPCHC-FR48-10	Frosted Cover	48 in.	Pack of 10
DI-CPCHC-FR96	Frosted Cover	96 in.	Single
DI-CPCHC-FR96-10	Frosted Cover	96 in.	Pack of 10
DI-CPCHC-CL48	Clear Cover	48 in.	Single
DI-CPCHC-CL48-10	Clear Cover	48 in.	Pack of 10
DI-CPCHC-CL96	Clear Cover	96 in.	Single
DI-CPCHC-CL96-10	Clear Cover	96 in.	Pack of 10

PRODUCT IMAGE	FORM FACTOR
	SLIM Standard End-Cap 5 extra sets

☐ SKU ALUMINUM	☐ SKU WHITE FINISH	■ SKU BLACK FINISH
DI-CPEC-SL	DI-CPEC-SLW	DI-CPEC-SLB

MOUNTING OPTIONS

MOUNTING TAPE

SKU	MOUNTING OPTION
DI-1633	4ft.
DI-1634	12ft.

MOUNTING U-CLIPS
Includes: Pair of clips with screws

☐ ALUMINUM	☐ WHITE	■ BLACK
DI-CPCH-UC-BA	DI-CPCH-UC-WH	DI-CPCH-UC-BL

CHROMAPATH® BUILDER
45°

0.67 in.

0.94 in.

INCLUDES
End-to-end connector plugs & mounting clips

COMPATIBILITY
FLUID VIEW®	DOUBLE BLAZE™	VALENT® X
BLAZE™	VALENT®	AVENUE 24™
ULTRA BLAZE™	VALENT® HD	DAZZLE® RGB(W)

MOUNTING: Surface

Channel

Tape Light

Channel Cover
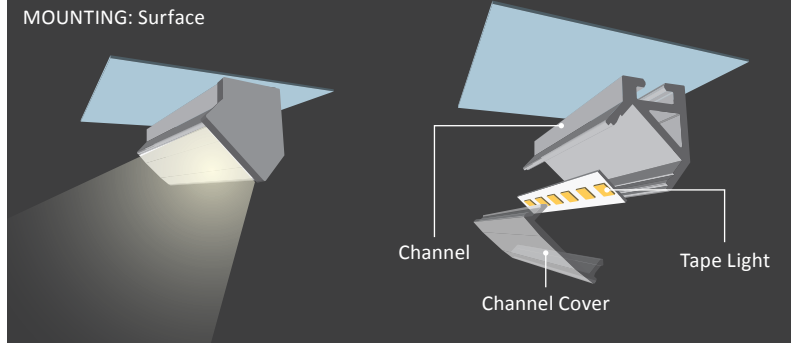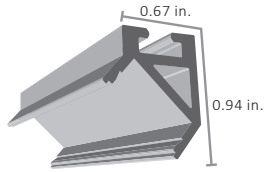
CHANNEL OPTIONS

◻ SKU ALUMINUM	◻ SKU WHITE FINISH	◼ SKU BLACK FINISH	LENGTH	BUNDLE OPTION	INCLUDES PER CHANNEL
DI-CPCHA-4548	DI-CPCHA-4548W	DI-CPCHA-4548B	48 in.	Single	•4x end-to-end connectors
DI-CPCHA-4548-10	DI-CPCHA-4548W-10	DI-CPCHA-4548B-10	48 in.	Pack of 10	•2x mounting clips
DI-CPCHA-4596	DI-CPCHA-4596W	DI-CPCHA-4596B	96 in.	Single	•8x end-to-end connectors
DI-CPCHA-4596-10	DI-CPCHA-4596W-10	DI-CPCHA-4596B-10	96 in.	Pack of 10	•4x mounting clips

PREMIUM DIFFUSION COVER AND END-CAP

PRODUCT INFORMATION	

PREMIUM DIFFUSION COVER (PD):
The ultimate in total diffusion for uninterrupted continuous LED light output.
Note: warm shift in Kelvin of 75K and an average 24% decrease in delivered lumens. Refer to install guide for optimal performance guidelines.

SKU	FORM FACTOR	LENGTH	BUNDLES
DI-CPCHC-PD48	PD Cover	48 in.	Single
DI-CPCHC-PD48-10	PD Cover	48 in.	Pack of 10
DI-CPCHC-PD96	PD Cover	96 in.	Single
DI-CPCHC-PD96-10	PD Cover	96 in.	Pack of 10

PRODUCT IMAGE	FORM FACTOR
	45° Premium Diffusion End-Cap 5 extra sets

◻ SKU ALUMINUM	◻ SKU WHITE FINISH	◼ SKU BLACK FINISH
DI-CPEC-45PD	DI-CPEC-45PDW	DI-CPEC-45PDB

STANDARD COVERS FROSTED / CLEAR AND END-CAPS

PRODUCT INFORMATION	

FROSTED COVER:
Protects LED tape light and slightly softens light.
Note: Average warm shift in Kelvin of 35K and average 28% decrease in delivered lumens.

CLEAR COVER:
Protects the LED tape light with no visible color shift or change in delivered lumens.

SKU	FORM FACTOR	LENGTH	BUNDLES
DI-CPCHC-FR48	Frosted Cover	48 in.	Single
DI-CPCHC-FR48-10	Frosted Cover	48 in.	Pack of 10
DI-CPCHC-FR96	Frosted Cover	96 in.	Single
DI-CPCHC-FR96-10	Frosted Cover	96 in.	Pack of 10
DI-CPCHC-CL48	Clear Cover	48 in.	Single
DI-CPCHC-CL48-10	Clear Cover	48 in.	Pack of 10
DI-CPCHC-CL96	Clear Cover	96 in.	Single
DI-CPCHC-CL96-10	Clear Cover	96 in.	Pack of 10

PRODUCT IMAGE	FORM FACTOR
	45° Standard End-Cap 5 extra sets

◻ SKU ALUMINUM	◻ SKU WHITE FINISH	◼ SKU BLACK FINISH
DI-CPEC-45	DI-CPEC-45W	DI-CPEC-45B

MOUNTING OPTIONS

MOUNTING CLIPS

SKU	DESCRIPTION
DI-CPMC2-SCR4	Pack of 2 Clips / 4 screws
DI-1630-20	Pack of 20 Clips / 40 screws

VERTICAL MOUNTING BRACKETS

SKU	DESCRIPTION
DI-1912	Pack of 2

END-TO-END CONNECTOR PLUGS

SKU	DESCRIPTION
DI-1631-10	Pack of 10

ADJUSTABLE ANGLE MOUNTING

ROTATING MOUNTING CLIPS
Includes: Pair of clips with screws

◻ ALUMINUM	◻ WHITE	◼ BLACK
DI-CPCH-RC-BA	DI-CPCH-RC-WH	DI-CPCH-RC-BL

CHROMAPATH® BUILDER
SQUARE

0.82 in.

0.55 in.

MOUNTING: Surface

INCLUDES
End-to-end connector plugs
& mounting clips

Tape Light

Channel Cover

Channel

COMPATIBILITY

FLUID VIEW®	DOUBLE BLAZE™	VALENT® X
BLAZE™	VALENT®	AVENUE 24™
ULTRA BLAZE™	VALENT® HD	DAZZLE® RGB(W)

CHANNEL OPTIONS

☐ SKU ALUMINUM	☐ SKU WHITE FINISH	■ SKU BLACK FINISH	LENGTH	BUNDLE OPTION	INCLUDES PER CHANNEL
DI-CPCHA-SQ48	DI-CPCHA-SQ48W	DI-CPCHA-SQ48B	48 in.	Single	• 4x end-to-end connectors
DI-CPCHA-SQ48-10	DI-CPCHA-SQ48W-10	DI-CPCHA-SQ48B-10	48 in.	Pack of 10	• 2x mounting clips
DI-CPCHA-SQ96	DI-CPCHA-SQ96W	DI-CPCHA-SQ96B	96 in.	Single	• 8x end-to-end connectors
DI-CPCHA-SQ96-10	DI-CPCHA-SQ96W-10	DI-CPCHA-SQ96B-10	96 in.	Pack of 10	• 4x mounting clips

PREMIUM DIFFUSION COVER AND END-CAP

PRODUCT INFORMATION	

PREMIUM DIFFUSION COVER (PD):
The ultimate in total diffusion for uninterrupted continuous LED light output.
Note: warm shift in Kelvin of 75K and an average 24% decrease in delivered lumens. Refer to install guide to optimal performance guidelines.

SKU	FORM FACTOR	LENGTH	BUNDLES
DI-CPCHC-PD48	PD Cover	48 in.	Single
DI-CPCHC-PD48-10	PD Cover	48 in.	Pack of 10
DI-CPCHC-PD96	PD Cover	96 in.	Single
DI-CPCHC-PD96-10	PD Cover	96 in.	Pack of 10

PRODUCT IMAGE	FORM FACTOR
	SQUARE Premium Diffusion End-Cap 5 extra sets

☐ SKU ALUMINUM	☐ SKU WHITE FINISH	■ SKU BLACK FINISH
DI-CPEC-SQPD	DI-CPEC-SQPDW	DI-CPEC-SQPDB

STANDARD COVERS FROSTED / CLEAR AND END-CAPS

PRODUCT INFORMATION	

FROSTED COVER:
Protects LED tape light and slightly softens light.
Note: Average warm shift in Kelvin of 35K and average 28% decrease in delivered lumens.

CLEAR COVER:
Protects the LED tape light with no visible color shift or change in delivered lumens.

SKU	FORM FACTOR	LENGTH	BUNDLES
DI-CPCHC-FR48	Frosted Cover	48 in.	Single
DI-CPCHC-FR48-10	Frosted Cover	48 in.	Pack of 10
DI-CPCHC-FR96	Frosted Cover	96 in.	Single
DI-CPCHC-FR96-10	Frosted Cover	96 in.	Pack of 10
DI-CPCHC-CL48	Clear Cover	48 in.	Single
DI-CPCHC-CL48-10	Clear Cover	48 in.	Pack of 10
DI-CPCHC-CL96	Clear Cover	96 in.	Single
DI-CPCHC-CL96-10	Clear Cover	96 in.	Pack of 10

PRODUCT IMAGE	FORM FACTOR
	SQUARE Standard End-Cap 5 extra sets

☐ SKU ALUMINUM	☐ SKU WHITE FINISH	■ SKU BLACK FINISH
DI-CPEC-SQ	DI-CPEC-SQW	DI-CPEC-SQB

MOUNTING OPTIONS

MOUNTING CLIPS

SKU	DESCRIPTION
DI-CPMC2-SCR4	Pack of 2 Clips / 4 screws
DI-1630-20	Pack of 20 Clips / 40 screws

VERTICAL MOUNTING BRACKETS

SKU	DESCRIPTION
DI-1912	Pack of 2

END-TO-END CONNECTOR PLUGS

SKU	DESCRIPTION
DI-1631-10	Pack of 10

ADJUSTABLE ANGLE MOUNTING

ROTATING MOUNTING CLIPS
Includes: Pair of clips with screws

☐ ALUMINUM	☐ WHITE	■ BLACK
DI-CPCH-RC-BA	DI-CPCH-RC-WH	DI-CPCH-RC-BL

DL

CHROMAPATH® BUILDER
DUO

0.75 in. 1.70 in.

INCLUDES
End-to-end connector
plugs & mounting clips

COMPATIBILITY
FLUID VIEW®   VALENT®
BLAZE™   VALENT® HD
ULTRA BLAZE™   AVENUE 24™

DAZZLE® RGB(W)

MOUNTING: Surface
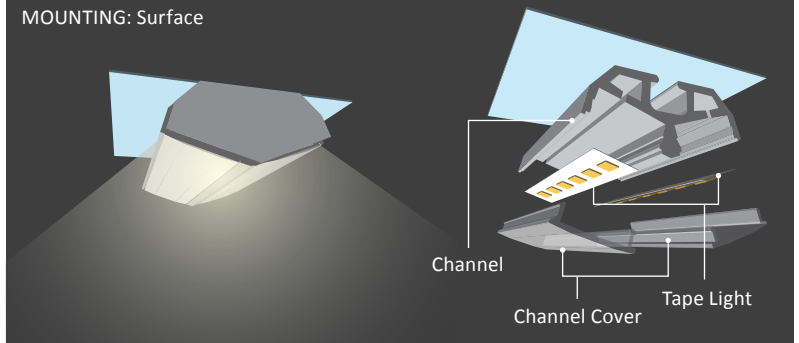
Channel
Channel Cover
Tape Light

CHANNEL OPTIONS

◻ SKU ALUMINUM	◻ SKU WHITE FINISH	◼ SKU BLACK FINISH	LENGTH	BUNDLE OPTION	INCLUDES PER CHANNEL
DI-CPCHA-DU48	DI-CPCHA-DU48W	DI-CPCHA-DU48B	48 in.	Single	• 4x end-to-end connectors
DI-CPCHA-DU48-10	DI-CPCHA-DU48W-10	DI-CPCHA-DU48B-10	48 in.	Pack of 10	• 2x mounting clips

CLEAR AND FROSTED COVERS

		SKU	FORM FACTOR	LENGTH	BUNDLES
	FROSTED COVER: Protects LED tape light and slightly softens light. Please note there is an average warm shift in Kelvin of 35K and an average 28% decrease in delivered lumens.	DI-CPCHC-FR48	Frosted Cover	48 in.	Single
		DI-CPCHC-FR48-10	Frosted Cover	48 in.	Pack of 10
	CLEAR COVER: Protects the LED tape light with no visible color shift or change in delivered lumens.	DI-CPCHC-CL48	Clear Cover	48 in.	Single
		DI-CPCHC-CL48-10	Clear Cover	48 in.	Pack of 10

PRODUCT IMAGE	FORM FACTOR	◻ SKU ALUMINUM	◻ SKU WHITE FINISH	◼ SKU BLACK FINISH
	DUO Standard 5 extra sets	DI-CPEC-DU	DI-CPEC-DUW	DI-CPEC-DUB

MOUNTING OPTIONS

ADJUSTABLE ANGLE MOUNTING

MOUNTING CLIPS

SKU	DESCRIPTION
DI-CPMC2-SCR4	Pack of 2 Clips / 4 screws
DI-1630-20	Pack of 20 Clips / 40 screws

VERTICAL MOUNTING BRACKETS

SKU	DESCRIPTION
DI-1913	Pack of 2

END-TO-END CONNECTOR PLUGS

SKU	DESCRIPTION
DI-1631-10	Pack of 10

ROTATING MOUNTING CLIPS
Includes: Pair of clips with screws

◻ ALUMINUM	◻ WHITE	◼ BLACK
DI-CPCH-RC-BA	DI-CPCH-RC-WH	DI-CPCH-RC-BL

CHROMAPATH BUILDER
HANGING HARDWARE

SKU	DESCRIPTION
DI-CPCH-HNG	• 2x pendant cables • 2x sets of hardware
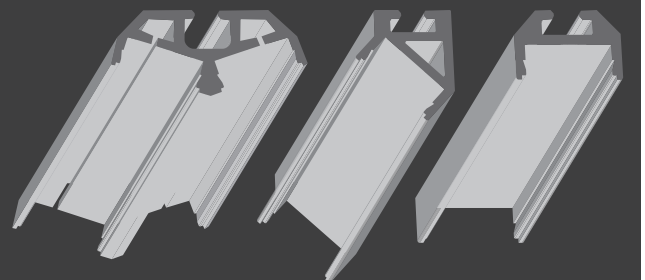
Compatible with **DUO, 45°** & **SQUARE** channels only

CHROMAPATH® CHANNEL BUNDLES
PACKAGED CHANNELS READY TO LOAD

- COMPLETE WITH ACCESSORIES

- LED TAPE LIGHT READY

- EASY TO INSTALL

- STYLES FOR ANY APPLICATION
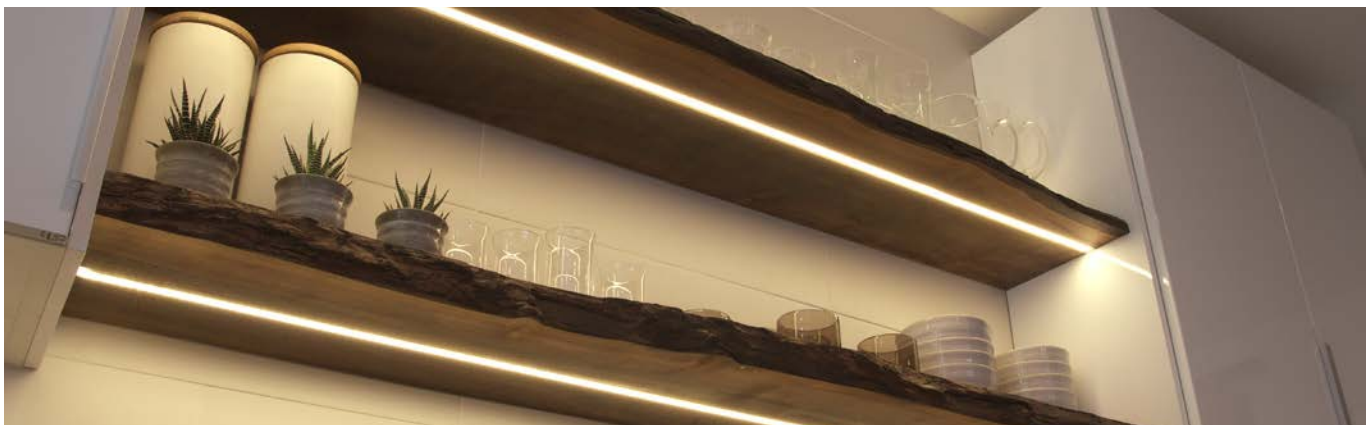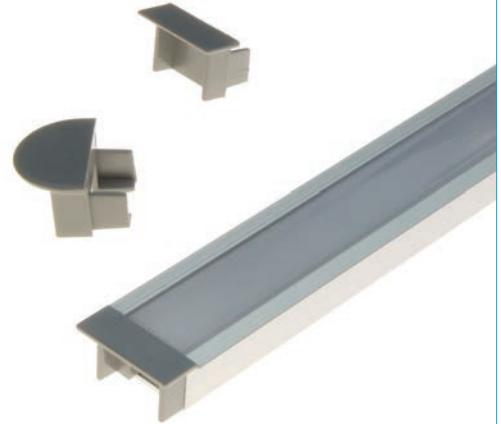
NOTE: **CHROMAPATH Bundles** are **not** interchangeable with each other **nor** compatible with **CHROMAPATH Builder** channels.
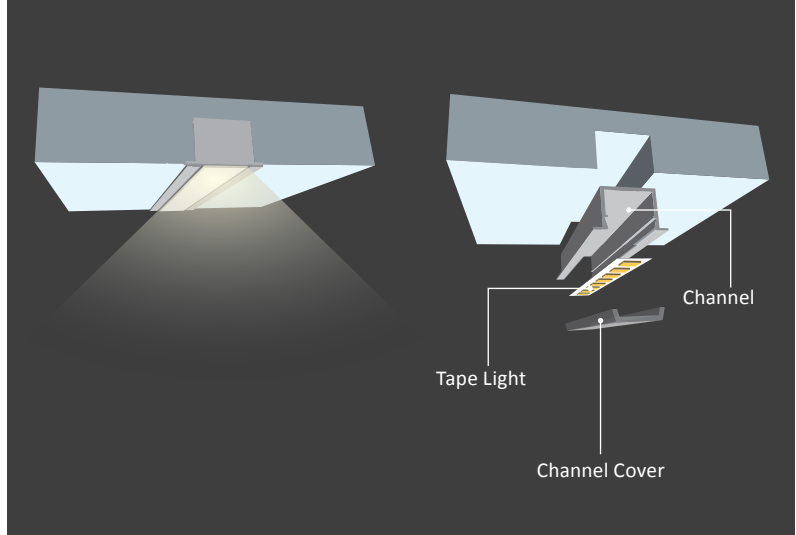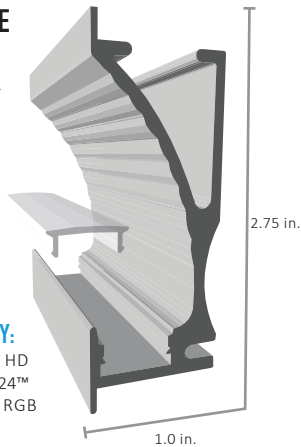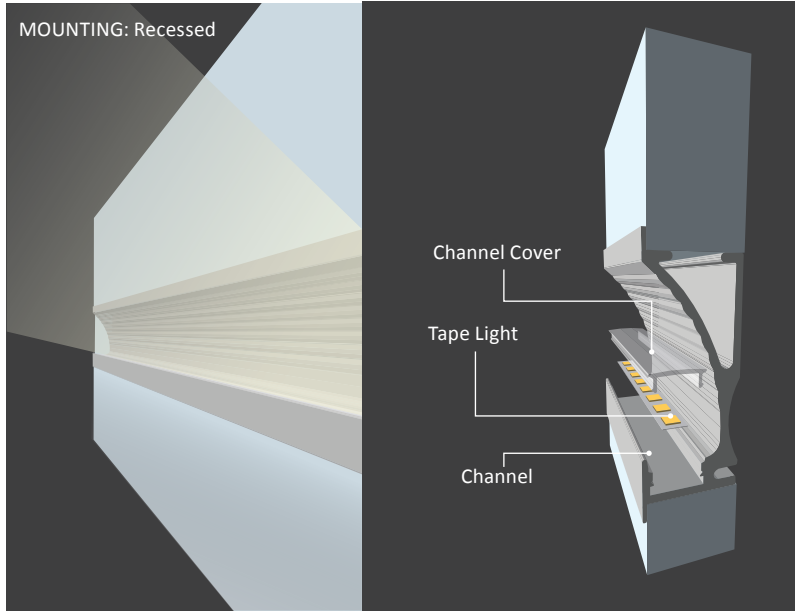
CHROMAPATH® BUNDLE
ULTRA SLIM

0.5 in.
0.24 in.

TAPE LIGHT COMPATIBILITY:
FLUID VIEW®   VALENT® HD
BLAZE™   AVENUE 24™
ULTRA BLAZE™   DAZZLE® RGB
VALENT®
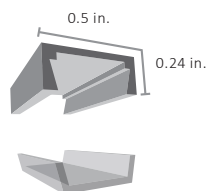
SKU	PRODUCT INCLUDES
DI-CPCHB-USL-48	• 48 in. channel & frosted cover • End caps • Mounting hardware
DI-CPCHB-USL-ACC	• 2x end-cap sets • 2x mounting hardware
DI-CPCHB-USL-CM	• Corner mount
DI-CPCHB-USL-RC	• 2x Rotating clip

MOUNTING: Surface

Corner Mount   Rotating Clip

Tape Light   Channel
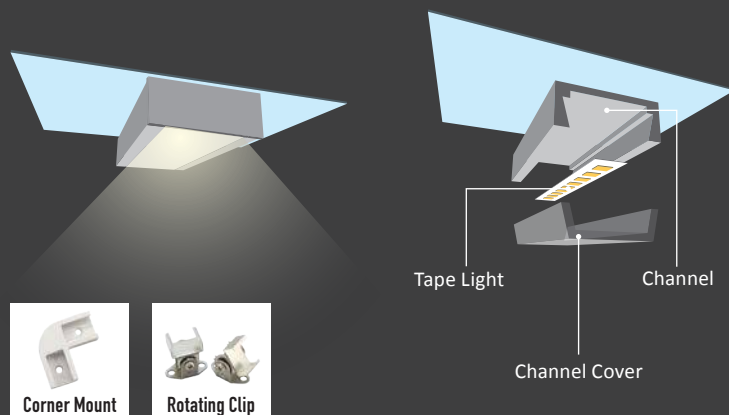
Channel Cover

CHROMAPATH® BUNDLE
ULTRA SLIM
PREMIUM DIFFUSION

0.5 in.
0.24 in.

(Total height with cover) 0.75 in.

TAPE LIGHT COMPATIBILITY:
FLUID VIEW®   VALENT® HD
BLAZE™   AVENUE 24™
ULTRA BLAZE™   DAZZLE® RGB
VALENT®
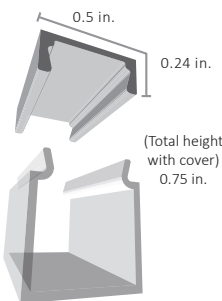
SKU	PRODUCT INCLUDES
DI-CPCHB-USPD-48	• 48 in. channel & frosted cover • End caps • Mounting hardware
DI-CPCHB-USPD-ACC	• 2x end-cap sets • 2x mounting hardware
DI-CPCHB-USL-CM	• Corner mount
DI-CPCHB-USL-RC	• 2x Rotating clip

MOUNTING: Surface

Corner Mount   Rotating Clip

Tape Light

Channel
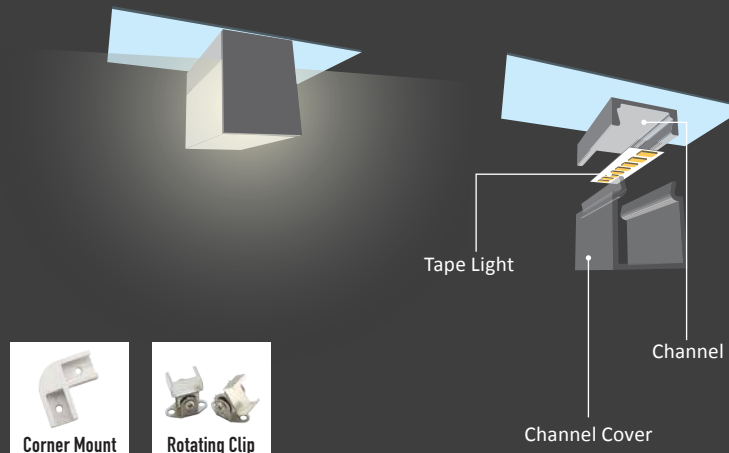
Channel Cover

CHROMAPATH® BUNDLE
WAVEFORM

0.56 in.
0.22 in.

TAPE LIGHT COMPATIBILITY:
FLUID VIEW®   VALENT® HD
BLAZE™   AVENUE 24™
ULTRA BLAZE™   DAZZLE® RGB
VALENT®
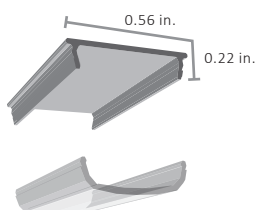
SKU	PRODUCT INCLUDES
DI-CPCHB-WF-48	• 48 in. channel & frosted cover • End-caps • Mounting hardware
DI-CPCHB-WF-ACC	• 2x end-cap sets • 2x mounting hardware
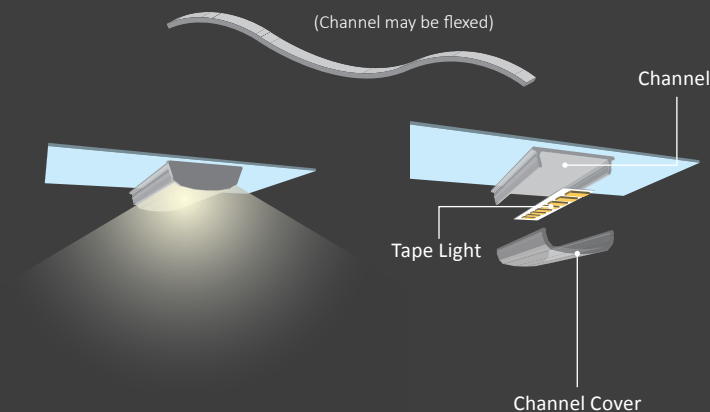
MOUNTING: Surface

(Channel may be flexed)

Channel

Tape Light
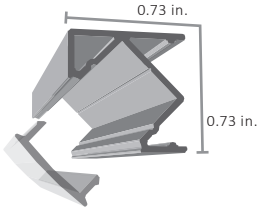
Channel Cover

NOTE: **CHROMAPATH Bundles** are **not** interchangeable with each other **nor** compatible with **CHROMAPATH Builder** channels.
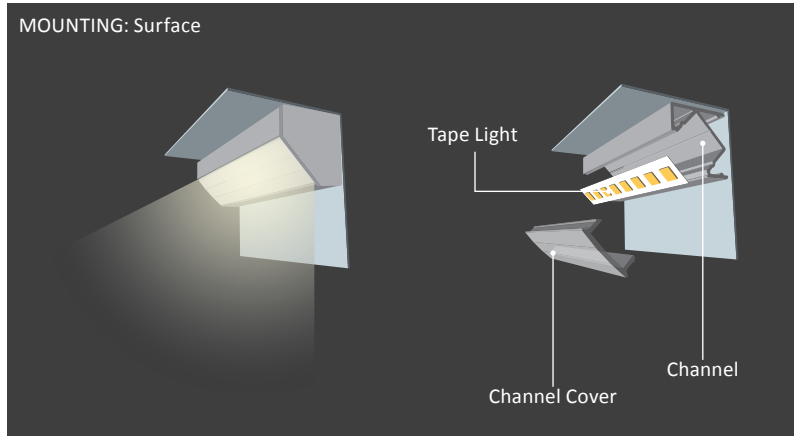
CHROMAPATH® BUNDLE
SLIM RECESSED

0.65 in.
0.38 in.

Recessed Width: 0.49 in.

TAPE LIGHT COMPATIBILITY:

FLUID VIEW®   VALENT®
BLAZE™   VALENT® HD
ULTRA   AVENUE 24™
BLAZE™   DAZZLE® RGB
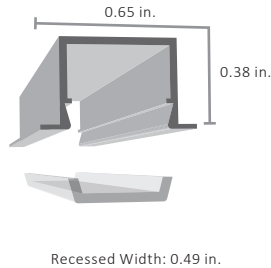
SKU	OPTION	INCLUDES
DI-CPCHA-SLR48	48 in. Bundle	• 48 in. channel • Frosted cover • End cap bundle
DI-CPCHA-SLR96	96 in. Bundle	• 96 in. channel • Frosted cover • End cap bundle
DI-CPEC-SLR-3	Additional End Cap Bundles	• 3x end-cap sets

MOUNTING: Recessed

Channel
Tape Light
Channel Cover

CHROMAPATH® BUNDLE
RECESSED

0.67 in.
0.49 in.

Recessed Width: 1.03 in.

TAPE LIGHT COMPATIBILITY:

FLUID VIEW®   VALENT®
BLAZE™   VALENT® HD
ULTRA BLAZE™   AVENUE 24™
DOUBLE BLAZE™   DAZZLE® RGB(W)
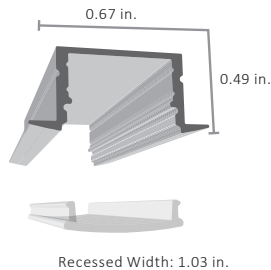
SKU	PRODUCT INCLUDES
DI-CPCHB-REC-48	• 48 in. channel & frosted cover • End-caps • Mounting hardware
DI-CPCHB-REC-ACC	• 2x end-cap sets • 2x mounting hardware

MOUNTING: Recessed

Channel
Tape Light
Channel Cover
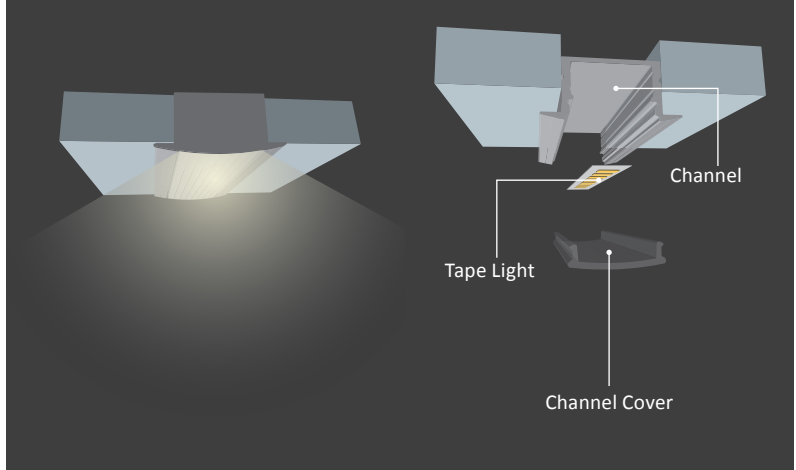
CHROMAPATH® BUNDLE
DOME

0.76 in.
0.53 in.

TAPE LIGHT COMPATIBILITY:

FLUID VIEW®   VALENT®
BLAZE™   VALENT® HD
ULTRA BLAZE™   AVENUE 24™
DOUBLE BLAZE™   DAZZLE® RGB(W)
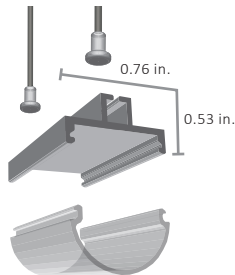
SKU	PRODUCT INCLUDES
DI-CPCHB-DOME-48	• 48 in. channel & frosted cover • End-caps • 2x Pendant hardware
DI-CPCHB-DOME-ACC	• 2x end-cap sets • 2x pendant hardware

MOUNTING: Hanging
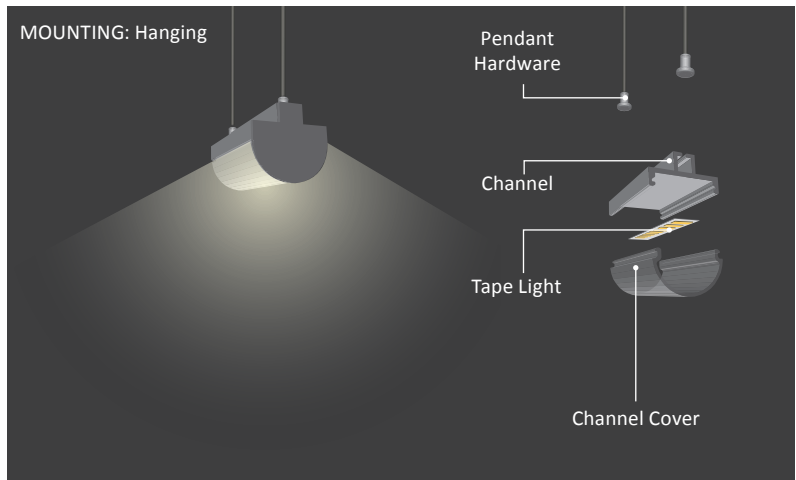
Pendant Hardware
Channel
Tape Light
Channel Cover

NOTE: **CHROMAPATH Bundles** are **not** interchangeable with each other **nor** compatible with **CHROMAPATH Builder** channels.

CHROMAPATH® BUNDLE
REFLECTOR

2.75 in.

1.0 in.

TAPE LIGHT COMPATIBILITY:
FLUID VIEW®	VALENT® HD
BLAZE™	AVENUE 24™
ULTRA BLAZE™	DAZZLE® RGB
VALENT®	

MOUNTING: Recessed

Channel Cover

Tape Light

Channel

SKU	PRODUCT INCLUDES
DI-CPCHB-RFCTR-48	• 48 in. channel & frosted cover • End caps
DI-CPCHB-RFCTR-ACC	• 2x end-cap sets

CHROMAPATH® BUNDLE
SCONCE

1.21 in.

1.1 in.

TAPE LIGHT COMPATIBILITY:
FLUID VIEW®	VALENT®
BLAZE™	VALENT® HD
ULTRA BLAZE™	AVENUE 24™
DOUBLE BLAZE™	DAZZLE® RGB(W)

MOUNTING: Surface

Tape Light

Channel Cover

Channel

Channel Mounting Plate
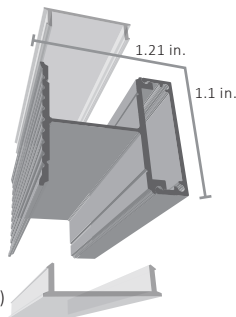
SKU	PRODUCT INCLUDES
DI-CPCHB-SCNC-48	• 48 in. channel & frosted cover • End caps • Mounting hardware
DI-CPCHB-SCNC-ACC	• 2x end-cap sets
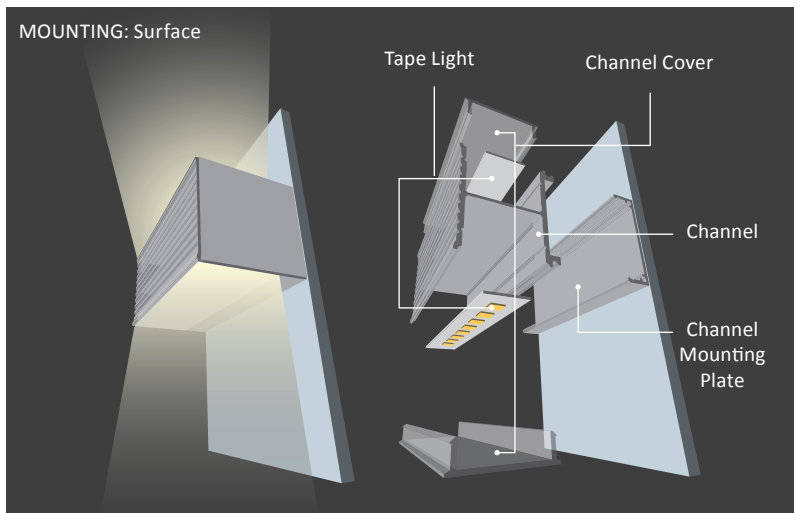
CHROMAPATH® BUNDLE
EDGE-LIT

0.28 in.

1.35 in.

0.9 in.

TAPE LIGHT COMPATIBILITY:
Only for use with
SPECIFORM®.
See page 80 for details.

MOUNTING: Surface

Glass or plastic
(Not included)

Channel

SPECIFORM®
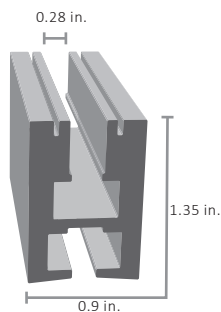
SKU	PRODUCT INCLUDES
DI-CPCHB-EGLT-48	• 48 in. channel only • End caps
DI-CPCHB-EGLT-ACC	• 2x end-cap sets
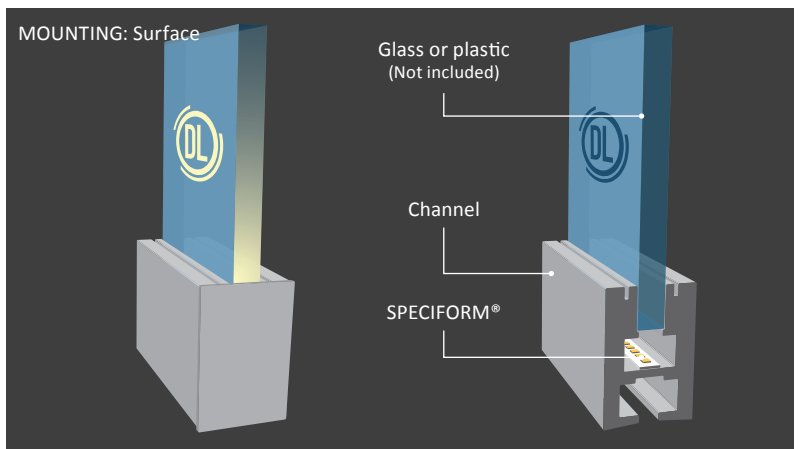
NOTE: **CHROMAPATH Bundles** are **not** interchangeable with each other **nor** compatible with **CHROMAPATH Builder** channels.

CHROMAPATH® BUNDLE
45° DECO

0.73 in.
0.73 in.

TAPE LIGHT COMPATIBILITY:
FLUID VIEW®   VALENT® HD
BLAZE™   AVENUE 24™
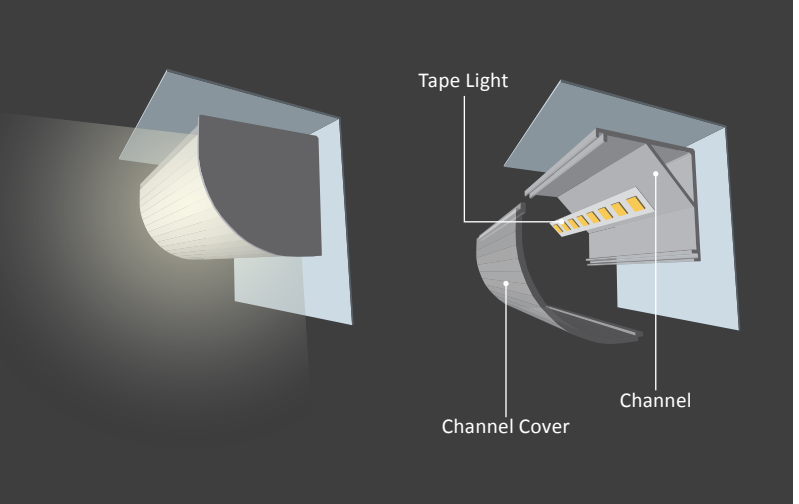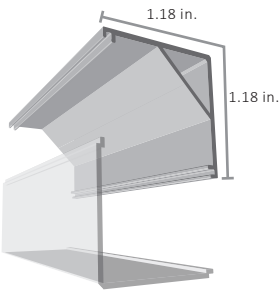ULTRA BLAZE™   DAZZLE® RGB
VALENT®

SKU	PRODUCT INCLUDES
DI-CPCHB-45DCO-48	• 48 in. channel & frosted cover • End-caps • Mounting hardware
DI-CPCHB-45DCO-ACC	• 2x end-cap sets • 2x mounting hardware

MOUNTING: Surface

Tape Light
Channel
Channel Cover

CHROMAPATH® BUNDLE
10mm ROUNDED CORNER

0.63 in.
0.63 in.

TAPE LIGHT COMPATIBILITY:
FLUID VIEW®   VALENT® HD
BLAZE™   AVENUE 24™
ULTRA BLAZE™   DAZZLE® RGB
VALENT®
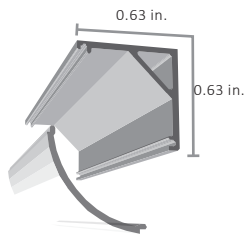
SKU	PRODUCT INCLUDES
DI-CPCHB-RC10-48	• 48 in. channel & frosted cover • End-caps • Mounting hardware
DI-CPCHB-RC10-ACC	• 2x end-cap sets • 2x mounting hardware

MOUNTING: Surface

Tape Light
Channel
Channel Cover
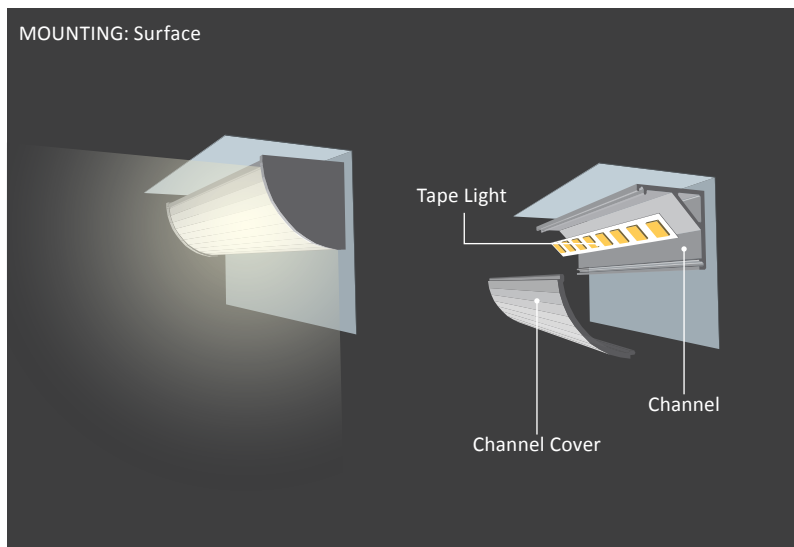
CHROMAPATH® BUNDLE
10mm SQUARE CORNER

0.63 in.
0.63 in.

TAPE LIGHT COMPATIBILITY:
FLUID VIEW®   VALENT® HD
BLAZE™   AVENUE 24™
ULTRA BLAZE™   DAZZLE® RGB
VALENT®
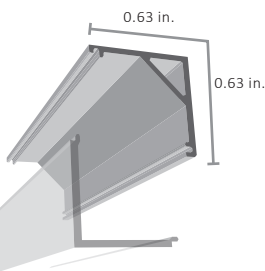
SKU	PRODUCT INCLUDES
DI-CPCHB-SQC10-48	• 48 in. channel & frosted cover • End-caps • Mounting hardware
DI-CPCHB-SQC10-ACC	• 2x end-cap sets • 2x mounting hardware
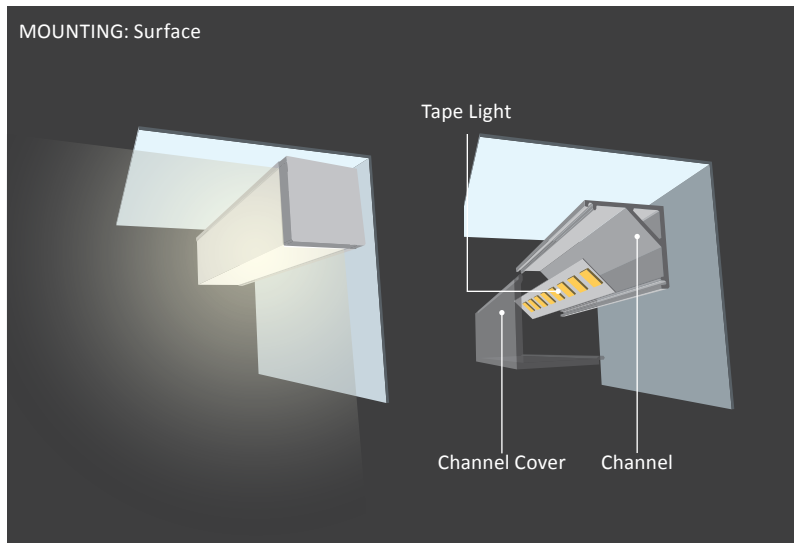
MOUNTING: Surface

Tape Light
Channel Cover   Channel

NOTE: **CHROMAPATH Bundles** are **not** interchangeable with each other **nor** compatible with **CHROMAPATH Builder** channels.

CHROMAPATH® BUNDLE
20mm ROUNDED CORNER
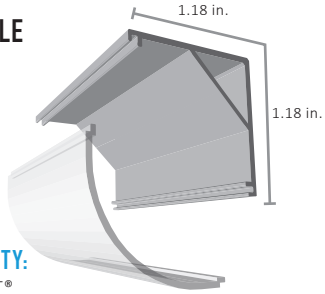
1.18 in.

1.18 in.

MOUNTING: Surface

Tape Light

Channel Cover

Channel

TAPE LIGHT COMPATIBILITY:
FLUID VIEW®	VALENT®
BLAZE™	VALENT® HD
ULTRA BLAZE™	AVENUE 24™
DOUBLE BLAZE™	DAZZLE® RGB(W)

SKU	PRODUCT INCLUDES
DI-CPCHB-RC20-48	• 48 in. channel & frosted cover • End-caps • Mounting hardware
DI-CPCHB-RC20-ACC	• 2x end-cap sets • 2x mounting hardware

CHROMAPATH® BUNDLE
20mm SQUARE CORNER

1.18 in.

1.18 in.

MOUNTING: Surface

Tape Light

Channel Cover

Channel

TAPE LIGHT COMPATIBILITY:
FLUID VIEW®	VALENT®
BLAZE™	VALENT® HD
ULTRA BLAZE™	AVENUE 24™
DOUBLE BLAZE™	DAZZLE® RGB(W)

SKU	PRODUCT INCLUDES
DI-CPCHB-SQC20-48	• 48 in. channel & frosted cover • End-caps • Mounting hardware
DI-CPCHB-SQC20-ACC	• 2x end-cap sets • 2x mounting hardware
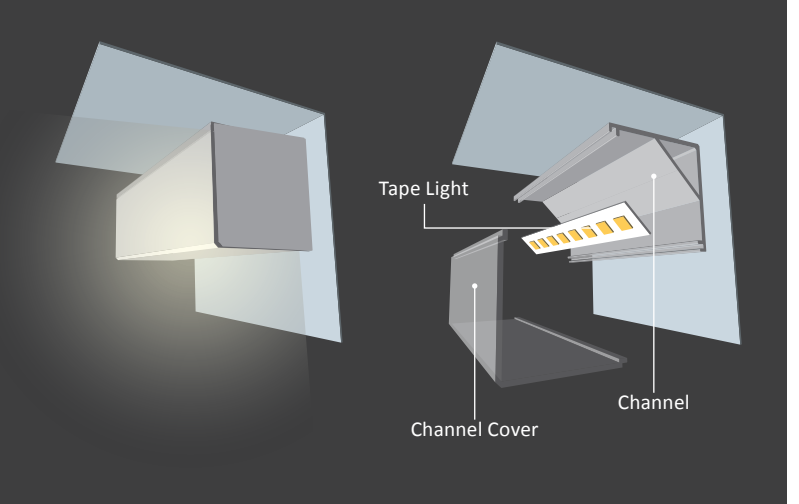
CHROMAPATH® BUNDLE
90º SIDEVIEW
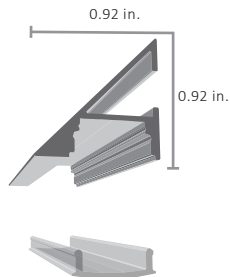
0.92 in.

0.92 in.

MOUNTING: Surface

Channel

Tape Light

Channel Cover

TAPE LIGHT COMPATIBILITY:
FLUID VIEW®	VALENT® HD
BLAZE™	AVENUE 24™
ULTRA BLAZE™	DAZZLE® RGB
VALENT®	

SKU	PRODUCT INCLUDES
DI-CPCHB-90SD-48	• 48 in. channel & frosted cover • End-caps • Mounting hardware
DI-CPCHB-90SD-ACC	• 2x end-cap sets • 2x mounting hardware

Credit: Kitchen Studio Monterey

A

B

C

D
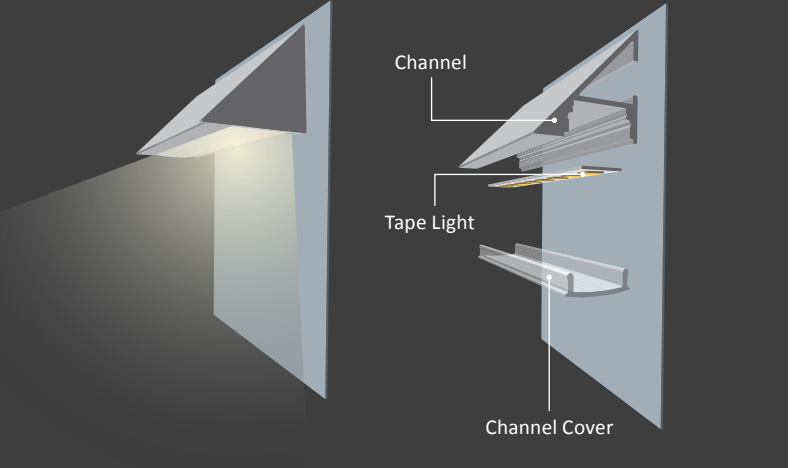
COLOR CHANGING LIGHT & COLOR CONTROLLERS

Diode LED's color controllers offer the capability of changing color pattern, speed and brightness level to light your space just the way you want with intuitive and easy-to-use controls.

A **ATTRIBUTE™ COLOR CONTROL SYSTEM**
Fast and easy color control of a space at the touch of a button.
(Page 59)

B **TOUCHDIAL™ LED CONTROL SYSTEM**
Remotely control lighting in multiple locations with the optional controller or your mobile device.
(Page 59)

C **DAZZLE® RGB & RGBW LED TAPE LIGHT**
Full color linear tape light options for indoor and outdoor applications.
(Pages 52-58)

D **NICOLAUDIE® LED CONTROL SYSTEMS**
Expand and control commercial and residential DMX projects with Nicolaudie DMX Controllers.
(Page 61)

E **ANY-SCALE COLOR CONTROL**
DMX control systems can connect with our LED linear lighting for large-scale lighting projects.
(Page 60-61)

E

ACTUAL SIZE

DAZZLE 24® 24V RGB LED Tape Light
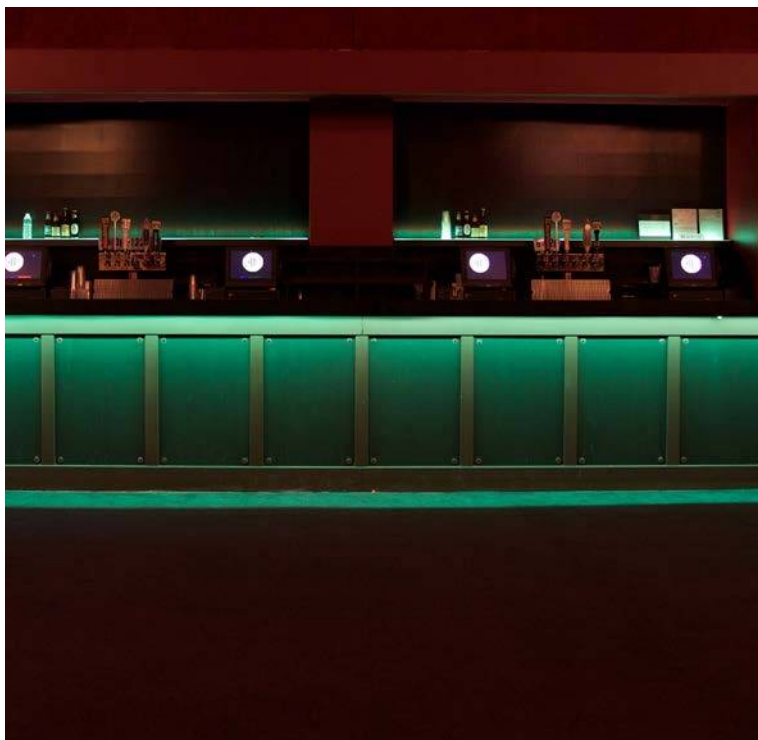
FEATURES & BENEFITS
- 16 million color combinations
- Dynamic and versatile accent lighting
- Compatible with Nicolaudie® DMX or Diode LED Color Controllers

QUICK SPECS

Voltage	24VDC
Wattage	4.32W / ft.
Max. Run	16.4 ft.
Field Cuttable	Every 4 in.
Certification	UL Listed 2108

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

UL CERTIFIED SAFETY   cULus   CE   UL Listed Field Cuttable

24VDC   COLOR-CHANGING   RoHS Compliant

ACCESSORIES FOR FOR THESE PRODUCTS ON PAGE 58

SKU	CCT	CRI	LUMENS / FT.	LENGTH
DI-24V-DRGB-0016	RGB	N/A	160	16.4 ft. spool
DI-24V-DRGB-00100	RGB	N/A	160	100 ft. spool

COLOR CONTROLLERS

Find out about our color controllers to create a dazzling effect for your event. Color controllers featured on page 59.

DAZZLE 24® 24V Wet Location RGB LED Strip Light

FEATURES & BENEFITS

- Indoor or outdoor
- 16 million color combinations
- Compatible with Nicolaudie® DMX or Diode LED Color Controllers

QUICK SPECS

Voltage	24VDC
Wattage	4.32W / ft.
Max. Run	16.4 ft.
Field Cuttable	Every 4 in.
Certification	UL Listed 2108

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

ACCESSORIES FOR FOR THESE PRODUCTS ON PAGE 58

SKU	CCT	CRI	LUMENS / FT.	LENGTH
DI-24V-DRGB-W016	RGB	-	160	16.4 ft. spool

Wet Location RGB Connector & Accessories

Connector Note: Class 2 maximum load limit on all strip light connectors and extension cables.

PRODUCT IMAGE	PRODUCT NAME	SKU
	Wet Location RGB Splice Connector Pair	DI-0766
	Wet Location RGB Extension Cable	DI-0778

MOUNTING CLIPS

SKU	DESCRIPTION
DI-WLMC-RGB	Pack of 10

RGB WET LOCATION END-CAPS

SKU	DESCRIPTION
DI-0842-25	Pack of 25

SILICONE SEALANT

SKU	DESCRIPTION
DI-WPSL	One tube of sealant

DAZZLE 24® 24V RGBW LED Tape Light

FEATURES & BENEFITS

- Color-changing and white light LEDs
- Up to 4 billion colors to blend & match
- Achieve colors from saturated to pastel

QUICK SPECS

Voltage	24VDC
Wattage	4.39W / ft.
Max. Run	20 ft.
Field Cuttable	Every 8 in.
Certification	UL Listed 2108

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

UL CERTIFIED SAFETY · cRUus · CE · UL Listed Field Cuttable

24VDC · COLOR-CHANGING · RoHS Compliant

SKU	CCT	CRI	LUMENS / FT.	LENGTH
DI-24V-RGBW-0020	RGBW / 3000K	RGB: NA 3000K: 82.3	198 max	20 ft. spool
DI-24V-RGBW-00100	RGBW / 3000K	RGB: NA 3000K: 82.3	198 max	100 ft. spool

ABOUT RGBW LIGHTING

The alternating white light and color-changing chips work together to broaden the spectrum of light. While red, green and blue light mix your standard colors, white light maximizes general brightness and adds the ability to generate pastels. Expand your color range with RGBW.
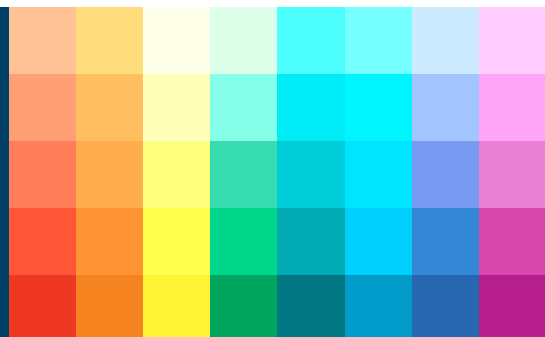
ACTUAL SIZE

DAZZLE 24® 24V RGBW 4D LED Tape Light

FEATURES & BENEFITS

- 4 billion color combinations
- Increased LED density for enhanced color saturation, blending and brightness
- DMX or Diode LED controller compatible

QUICK SPECS

Voltage	24VDC
Wattage	6.4W / ft.
Max. Run	16.4 ft.
Field Cuttable	Every 4 in.
Certification	UL Listed 2108

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

UL CERTIFIED SAFETY   cULus   CE   UL Listed Field Cuttable

24VDC   COLOR-CHANGING   RoHS Compliant

ACCESSORIES FOR FOR THESE PRODUCTS ON PAGE 58

SKU	CCT	CRI	LUMENS / FT.	LENGTH
DI-24V-RGBW4-0016	RGBW 2700K	RGB: NA 2700k: 81	274	16.4 ft. Spool

The New DAZZLE RGBW 4D!

The Four Ds of DAZZLE RGBW 4D

DENSITY - Tighter LED population for the brightest output

DIFFUSION - Compatable with CHROMAPATH Premium Diffusion Covers

DISTRIBUTION - The best light distribution of any RGBW product available

DYNAMICS - Best color-mixing for exact color-matching

DAZZLE 24® 24V RGBW 4D Wet Location LED Strip Light

ACTUAL SIZE

FEATURES & BENEFITS

- 4 billion color combinations
- Increased LED density for enhanced color saturation, blending and brightness
- DMX or Diode LED controller compatible

QUICK SPECS

Voltage	24VDC
Wattage	6.4W / ft.
Max. Run	16.4 ft.
Field Cuttable	Every 4 in.
Certification	UL Listed 2108

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

UL CERTIFIED SAFETY   c**UL**us   CE   UL Listed Field Cuttable

24VDC   COLOR-CHANGING   RoHS Compliant   WET LOCATION

ACCESSORIES FOR FOR THESE PRODUCTS ON PAGE 58

SKU	CCT	CRI	LUMENS / FT.	LENGTH
DI-24V-RGBW4-W016	RGBW / 3000K	RGB: NA 3000k: 81	239	16.4 ft. Spool

Wet Location RGB Connector & Accessories

Connector Note: Class 2 maximum load limit on all strip light connectors.

PRODUCT IMAGE	PRODUCT NAME	SKU
	RGBW Wet Location Extension Cable - 39 in	DI-RGBW-WEXT
	RGBW Wet Location Accessories Pack Includes: 10x mounting clips, 20x screws, 2x open end caps, 2x closed end caps, 1 x splice cable pair (M/F)	DI-RGBW-WACY
	Silicone Sealant (1 tube)	DI-WPSL

CLICKTIGHT® Color Changing Tape Light Accessories

Connector Note: Class 2 maximum load limit on all CLICKTIGHT tape light connectors.
60W on 12V circuits
96W on 24V circuits

PRODUCT IMAGE	PRODUCT NAME	SKU (PACK OF 5)	SKU (PACK OF 25)	LENGTH	LED TAPE LIGHT COMPATIBILITY	
					DAZZLE® RGB	DAZZLE® RGBW
	CLICKTIGHT TAPE LINK CONNECTOR	DI-0895-5	DI-0895-25	N/A	●	
		DI-RGBW-CKT-LNK-5	DI-RGBW-CKT-LNK-25	N/A		●
	CLICKTIGHT SPLICE CONNECTOR	DI-0885-5	DI-0885-25	3 in.	●	
		DI-0886-5	DI-0886-25	24 in.	●	
		DI-0887-5	DI-0887-25	48 in.	●	
		DI-RGBW-CKT3-SPLE-5	DI-RGBW-CKT3-SPLE-25	3 in.		●
		DI-RGBW-CKT24-SPLE-5	DI-RGBW-CKT24-SPLE-25	24 in.		●
	CLICKTIGHT FLEXIBLE EXTENSION CONNECTOR	DI-0890-5	DI-0890-25	3 in.	●	
		DI-1090-5	DI-1090-25	6 in.	●	
		DI-1091-5	DI-1091-25	12 in.	●	
		DI-0891-5	DI-0891-25	24 in.	●	
		DI-0892-5	DI-0892-25	48 in.	●	
		DI-RGBW-CKT3-EXT-5	DI-RGBW-CKT3-EXT-25	3 in.		●
		DI-RGBW-CKT24-EXT-5	DI-RGBW-CKT24-EXT-25	24 in.		●

TOUCHDIAL™ LED Control System

RGB/RGBW 4-ZONE
REMOTE CONTROLLER

5-ZONE REMOTE
DIMMER CONTROL

WIFI HUB
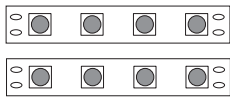
RECEIVER

LOW VOLTAGE
TAPE/FIXTURE

FEATURES & BENEFITS

- For medium and large-scale LED lighting installations
- Integrates with existing WiFi network with WiFi Hub
- Supports **iOS** and **Android** mobile devices
- Control of up to 8 lighting zones
- Modular system design

SKU	TYPE
DI-RF-REC-CV-A	TOUCHDIAL Receiver
DI-RF-REM-RGBW-4	TOUCHDIAL RGB/RGBW 4-Zone Remote Controller
DI-RF-REM-DIM-5	TOUCHDIAL Remote Dimmer 5-Zone Dimmer Control
DI-WiFi-RF-TRMS	TOUCHDIAL WiFi Hub

ATTRIBUTE™ Color Controller

REMOTE CONTROL

CONTROL RECEIVER

FEATURES & BENEFITS

- Compact and easy to use
- Includes one receiver and one (RF) remote
- Ideal for small scale applications
- Single zone function
- Works with RGB & RGBW LED lighting
- 10 pre-loaded dynamic control settings

SKU	TYPE
DI-ATT-RGBW-REM	ATTRIBUTE RGB(W) Receiver and Remote Controller

WHY USE DMX?

- Diode LED custom offerings
- UL recognized technology
- Fully customized lighting
- Commercial-scale applications
- Control multiple zones or rooms
- Digital control system
- Infinitely expandable
- Long distance runs

CONTROL

Our DMX controllers offer a wide range of options from pre-programmed control to fully customized scenes and functions. Control lighting from a wall-mount or surface mount touch-pad, WiFi control from a mobile device or a free-standing DMX controller. Control a single zone or up to 10 zones independently from a single controller to create lighting effects in separate rooms, spaces within a room or multiple fixtures producing independent lighting effects.

CONNECT

Directly connect DMX Controllers to any of our LED tape light via a DMX decoder supporting DMX512 for master control of simple lighting changes across all lighting with fully customized scenes.

EXPAND

Our selection of DMX accessories expand the number of luminaires or zones on a single controller. Span distances of up to 1,000 feet wirelessly between DMX devices using our Wireless DMX Transmitter/Receivers or DMX Extension Cables for direct connectivity.

DMX LED Controller Models

DMX accessories can be found online at www.DiodeLED.com

DMX Wall Mount Controller

DMX wall mount color control systems provide professional-level control of color-changing RGB and RGBW LED lighting in one or multiple independent areas.

SKU	WIFI	DIMENSIONS
DI-DMX-WIFI-WMUS-3Z-WH	Built-in	4.72 x 2.95 x 1.15 in.

FEATURES & BENEFITS
- IOS & Android compatible
- Up to 3 zones
- Fits in a single gang box

DMX COMPATIBLE · COLOR-CHANGING · 12VDC · 24VDC

Nicolaudie® STICK–KE1 DMX LED Controller

The sleek, touch-sensitive keypad lets you select color-changing mode, speed and dimming and can store up to 200 custom lighting scenes across 5 separate zones.

SKU	WIFI	DIMENSIONS
DI-DMX-ST1	Router required	6.61 x 5.03 x 0.50 in.

FEATURES & BENEFITS
- Software programmable
- Fits in a single gang box
- iOS and Android compatible

DMX COMPATIBLE · COLOR-CHANGING · DIMMABLE

Nicolaudie® STICK–GA2 DMX LED Controller

The sleek, attractive, touch-sensitive surface lets you control and dim color-changing lights, as well as dim single color LED lights.

SKU	WIFI	DIMENSIONS
DI-DMX-GA2	Not Available	4.43 x 3.38 x 0.39 in.

FEATURES & BENEFITS
- Digital display
- Touch-sensitive pad
- Fits in a single gang box

DMX COMPATIBLE · COLOR-CHANGING · DIMMABLE

Nicolaudie® STICK–DE3 DMX LED Controller

Our most robust DMX controller, the STICK-DE3 can store up to 500 scenes across 10 separate zones and features a full-color display for operational and zone related information.

SKU	WIFI	DIMENSIONS
DI-DMX-DE3	Router required	5.7 x 4.17 x 0.43 in

FEATURES & BENEFITS
- IOS & Android compatible
- Software programmable
- Calendar function

DMX COMPATIBLE · COLOR-CHANGING · DIMMABLE

Nicolaudie® SLESA–U9 DMX LED Color Controller

This LED controller is ideal for taking your light show on the road. Quick connections make this the perfect controller in multiple venues or isolated locations.

SKU	WIFI	DIMENSIONS
DI-DMX-ESA	Not Available	3.11 x 2.95 x 1.70 in.

FEATURES & BENEFITS
- Light shows on-the-go
- Free-standing & compact
- Built-in memory

DMX COMPATIBLE · COLOR-CHANGING · DIMMABLE

A

B

C

D

LED FIXTURE LIGHTING

Diode LED Fixtures are engineered for style, performance and ease of installation. High light output and quality but compact in design with a modern approach, these LED fixtures are desirable for any commercial or residential project.

A **FENCER® SABER™ FIXTURE**
High quality task lighting with total light diffusion eliminates spotting and dark shadows.
(Page 66)

B **TRIANT® LED PUCK LIGHT**
This versatile puck light is a bright and dependable fixture for task and shelving applications.
(Page 72)

C **WET LOCATION FIXTURES**
Diode LED offers diverse options for your wet location lighting needs.
(Pages 74-75)

D **SPOTMOD® GIMBAL LIGHT**
Adjustable and recessable, this compact fixture is perfect for a low profile spot of light where you need it.
(Page 75)

E **SPOTMOD® LINK FIXTURE**
Small, bright and available in multiple finishes; this stylish fixture can be connected in series and offers superior light quality and output.
(Pages 64-65)

SPOTMOD® LINK LED Fixture

FEATURES & BENEFITS

- High color rendering 90+ CRI
- Single LED source
- Plug-and-play installation
- Low operating temperature
- Daisy-chain up to 7 fixtures
- SWITCHEX® compatible

QUICK SPECS

Voltage	12VDC
CRI	90+*
Power Consumption	3.6W
Dimmable	Yes
Certification	UL Listed 2108

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

SPOTMOD LINK

	CCT	LUMENS	WHITE	ALUMINUM	BLACK	BRONZE
	2700K	240	DI-12V-SPOT-LK27-90-WH	DI-12V-SPOT-LK27-90-AL	DI-12V-SPOT-LK27-90-BL	DI-12V-SPOT-LK27-90-BR
	3000K	240	DI-12V-SPOT-LK30-90-WH	DI-12V-SPOT-LK30-90-AL	DI-12V-SPOT-LK30-90-BL	DI-12V-SPOT-LK30-90-BR
	4000K	240	DI-12V-SPOT-LK40-90-WH	DI-12V-SPOT-LK40-90-AL	DI-12V-SPOT-LK40-90-BL	DI-12V-SPOT-LK40-90-BR
	5000K*	240	DI-12V-SPOT-LK50-80-WH	DI-12V-SPOT-LK50-80-AL	DI-12V-SPOT-LK50-80-BL	DI-12V-SPOT-LK50-80-BR

*Note: 5000K CCT is 80+ CRI and does not comply with Title 24 installations.

SPOTMOD LINK ACCESSORIES

SPOTMOD LINK Adapter Cable
(2-pin male to DC female – 1 ft.)
Dimensions: 12 x 0.45 in. (L x Dia)

WHITE	BLACK
DI-SPOT-LK-ADP	DI-SPOT-LK-ADP-BL

SPOTMOD TILE and LINK Extension Cable
(2-pin male to female – 5 ft.)
Dimensions: 60 x .25 x .25 in. (L x W x H)

WHITE	BLACK
DI-SPOT-5EXT	DI-SPOT-5EXT-BL

SPOTMOD LINK
Detachable mounting ring for recessed installations
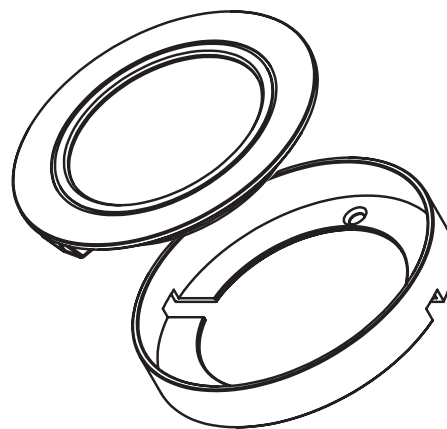
2.3(dia) x 0.45(depth) in.

SPOTMOD® TILE LED Fixture

FEATURES & BENEFITS

• High color rendering 90+ CRI
• Single LED source
• Plug-and-play installation
• Low operating temperature
• SWITCHEX® compatible

QUICK SPECS

Voltage	12VDC
CRI	90+*
Power Consumption	3.6W
Dimmable	Yes
Certification	UL Listed 2108

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

SPOTMOD TILE

CCT	LUMENS	WHITE	ALUMINUM	BLACK	BRONZE
2700K	220	DI-12V-SPOT-TL27-90-WH	DI-12V-SPOT-TL27-90-AL	DI-12V-SPOT-TL27-90-BL	DI-12V-SPOT-TL27-90-BR
3000K	220	DI-12V-SPOT-TL30-90-WH	DI-12V-SPOT-TL30-90-AL	DI-12V-SPOT-TL30-90-BL	DI-12V-SPOT-TL30-90-BR
4000K	220	DI-12V-SPOT-TL40-90-WH	DI-12V-SPOT-TL40-90-AL	DI-12V-SPOT-TL40-90-BL	DI-12V-SPOT-TL40-90-BR
5000K*	220	DI-12V-SPOT-TL50-80-WH	DI-12V-SPOT-TL50-80-AL	DI-12V-SPOT-TL50-80-BL	DI-12V-SPOT-TL50-80-BR

*Note: 5000K CCT is 80+ CRI and does not comply with Title 24 installations.

SPOTMOD TILE ACCESSORIES

**SPOTMOD TILE Adapter Cable
(2–pin female to DC female – 1 ft.)**
Dimensions: 12 x 0.45 in. (L x Dia)

WHITE	BLACK
DI-SPOT-TL-ADP	DI-SPOT-TL-ADP-BL

SPOTMOD TILE Power Distribution Splitter Box, 6-way
Dimensions: 3 x 1 x 0.5 in. (L x W x H)

WHITE	BLACK
DI-SPOT-TLSP6	DI-SPOT-TLSP6-BL

**SPOTMOD TILE and LINK Extension Cable
(2–pin male to female – 5 ft.)**
Dimensions: 60 x .25 x .25 in. (L x W x H)

WHITE	BLACK
DI-SPOT-5EXT	DI-SPOT-5EXT-BL

SPOTMOD TILE

Slim design and easy mounting
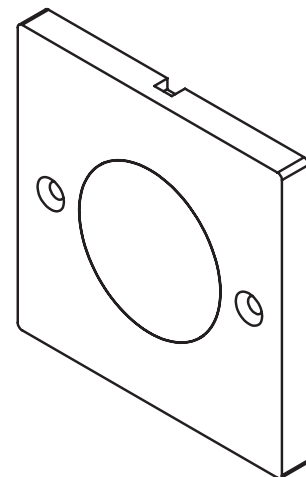
2.36 x 2.36 x 0.25 in.

FENCER® Series SABER™ LED Fixture

TITLE 24 HIGH EFFICACY LED REQUIREMENTS — CAN BE USED TO COMPLY WITH

Products identified can be used to comply with 2016 Title 24, Part 6 High Efficacy Luminaire requirements in California. For more information, please go to...
http://energy.Ca.Gov/title24/2016standards/

32 in.
24 in.
16 in.
8 in.

DIRECT-CONNECT & PREMIUM DIFFUSION

FEATURES & BENEFITS

- Premium diffused light- No LED hot spots
- 120VAC direct-connect fixture
- Includes captive screws for easy installation
- Easy and fast retrofit for traditional fixtures
- Superior CRI and R values
- Daisy-chain multiple fixtures for long runs

QUICK SPECS

Voltage	120VAC
Dimmable	Yes
CRI	98
Light Beam Angle	120 degree
Environment	Indoor
Certification	ETL Listed 1598

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

ETL LISTED c us Intertek   120VAC   90+ HIGH CRI   DIMMABLE

DL

FENCER® SABER™ Models & Accessories

COMPATIBILITY: Fixtures and accessories are not for use with FENCER FOIL on the next page.

SKU	LENGTH	CCT	LUMENS	FIXTURE COLOR	DIMENSIONS
DI-120V-SABER-PD27-8-BZ-V2	8 in.	2700K	278	Dark Bronze	8.21 x 3.62 x 0.96 in.
DI-120V-SABER-PD27-8-WH-V2	8 in.	2700K	278	White	8.21 x 3.62 x 0.96 in.
DI-120V-SABER-PD27-16-BZ-V2	16 in.	2700K	620	Dark Bronze	16.03 x 3.62 x 0.96 in.
DI-120V-SABER-PD27-16-WH-V2	16 in.	2700K	620	White	16.03 x 3.62 x 0.96 in.
DI-120V-SABER-PD27-24-BZ-V2	24 in.	2700K	844	Dark Bronze	23.85 x 3.62 x 0.96 in.
DI-120V-SABER-PD27-24-WH-V2	24 in.	2700K	844	White	23.85 x 3.62 x 0.96 in.
DI-120V-SABER-PD27-32-BZ-V2	32 in.	2700K	1305	Dark Bronze	31.67 x 3.62 x 0.96 in.
DI-120V-SABER-PD27-32-WH-V2	32 in.	2700K	1305	White	31.67 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-8-BZ-V2	8 in.	3000K	278	Dark Bronze	8.21 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-8-WH-V2	8 in.	3000K	278	White	8.21 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-16-BZ-V2	16 in.	3000K	620	Dark Bronze	16.03 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-16-WH-V2	16 in.	3000K	620	White	16.03 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-24-BZ-V2	24 in.	3000K	844	Dark Bronze	23.85 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-24-WH-V2	24 in.	3000K	844	White	23.85 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-32-BZ-V2	32 in.	3000K	1305	Dark Bronze	31.67 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-32-WH-V2	32 in.	3000K	1305	White	31.67 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-8-BZ-V2	8 in.	3500K	278	Dark Bronze	8.21 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-8-WH-V2	8 in.	3500K	278	White	8.21 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-16-BZ-V2	16 in.	3500K	620	Dark Bronze	16.03 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-16-WH-V2	16 in.	3500K	620	White	16.03 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-24-BZ-V2	24 in.	3500K	844	Dark Bronze	23.85 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-24-WH-V2	24 in.	3500K	844	White	23.85 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-32-BZ-V2	32 in.	3500K	1305	Dark Bronze	31.67 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-32-WH-V2	32 in.	3500K	1305	White	31.67 x 3.62 x 0.96 in.

PRODUCT IMAGE	PRODUCT DESCRIPTION	SKU	COLOR	
	FENCER Series SABER Master On/Off Switch & J-Box	DI-1305-WH		White
		DI-1305-BZ		Dark Bronze
	FENCER Series SABER Occupancy Sensor	DI-120V-SABER-MS-WH		White
		DI-120V-SABER-MS-BZ		Dark Bronze
	FENCER Series SABER Linkable End-to-End Connector	DI-1306-WH		White
		DI-1306-BK		Black
	FENCER Series SABER 6 in. Extension Cable	DI-1307-WH		White
		DI-1307-BK		Black
	FENCER Series SABER 12 in. Extension Cable	DI-1308-WH		White
		DI-1308-BK		Black
	FENCER Series SABER 24 in. Extension Cable	DI-1309-WH		White
		DI-1309-BK		Black
	FENCER Series SABER 72 in. Extension Cable	DI-1310-WH		White
		DI-1310-BK		Black
	FENCER Series SABER 72 in. Power Cable with AC Plug	DI-1311-WH		White
		DI-1311-BK		Black
	FENCER Series SABER 72 in. Power Cable with Hard-Wire Connection	DI-1312-WH		White
		DI-1312-BK		Black

FENCER® Series FOIL™ 2 LED Fixture

TITLE 24 HIGH EFFICACY LED REQUIREMENTS — CAN BE USED TO COMPLY WITH

Products identified can be used to comply with 2016 Title 24, Part 6 High Efficacy Luminaire requirements in California. For more information, please go to...
http://energy.Ca.Gov/title24/2016standards/

32 in.   24 in.   18 in.   12 in.

DIRECT-CONNECT & PREMIUM DIFFUSION

ADJUSTABLE MOUNTING BRACKET
FOIL 2 comes with adjustable mounting brackets that allow you to angle your lighting to your preference.
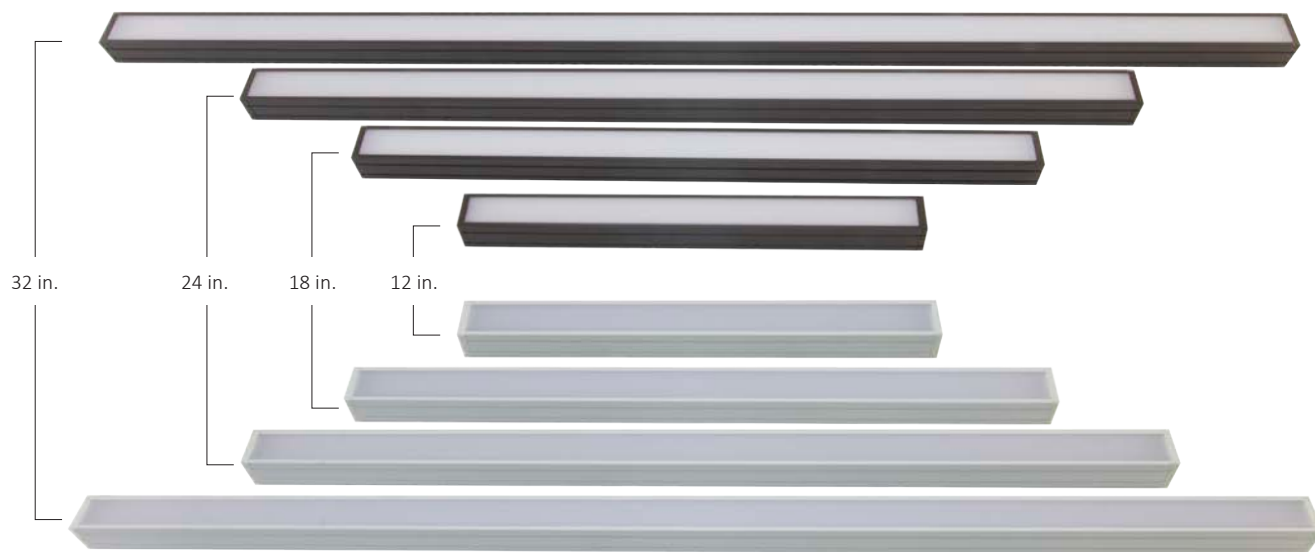
FEATURES & BENEFITS
• Premium diffused light: no LED hot spots
• 120VAC direct-connect fixture
• Easy and fast retrofit for traditional fixtures
• Superior CRI and R values
• Daisy-chain multiple fixtures for long runs

QUICK SPECS

Voltage	120VAC
Dimmable	Yes
CRI	98
Light Beam Angle	120 degree
Environment	Indoor
Certification	ETL Listed 153 ETL Listed 1598 - see installation guide for details

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

c ETL us LISTED Intertek   120VAC   90+ HIGH CRI   DIMMABLE

PRODUCT DESCRIPTION	SKU	COLOR	INSTALLATION NOTE
FENCER Series Foil Direct-Wire Switch & Junction Box	DI-120V-FOIL-JBOX-WH	White	Direct-wire Switch and J-Box required for all hard-wired installations.
	DI-120V-FOIL-JBOX-BZ	Dark Bronze	

DL

FENCER® FOIL™ 2 Models & Accessories

COMPATIBILITY: Fixtures and accessories are not for use with FENCER SABER on the previous page.

SKU	LENGTH	CCT	LUMENS	FIXTURE COLOR	DIMENSIONS
DI-120V-FOIL-PD27-12-BZ	12 in.	2700K	554	Dark Bronze	12.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD27-12-WH	12 in.	2700K	554	White	12.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD27-18-BZ	18 in.	2700K	718	Dark Bronze	18.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD27-18-WH	18 in.	2700K	718	White	18.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD27-24-BZ	24 in.	2700K	1037	Dark Bronze	24.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD27-24-WH	24 in.	2700K	1037	White	24.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD27-32-BZ	32 in.	2700K	1225	Dark Bronze	32.81 x 0.97 x 1.09 in.
DI-120V-FOIL-PD27-32-WH	32 in.	2700K	1225	White	32.81 x 0.97 x 1.09 in.
DI-120V-FOIL-PD30-12-BZ	12 in.	3000K	554	Dark Bronze	12.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD30-12-WH	12 in.	3000K	554	White	12.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD30-18-BZ	18 in.	3000K	718	Dark Bronze	18.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD30-18-WH	18 in.	3000K	718	White	18.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD30-24-BZ	24 in.	3000K	1037	Dark Bronze	24.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD30-24-WH	24 in.	3000K	1037	White	24.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD30-32-BZ	32 in.	3000K	1225	Dark Bronze	32.81 x 0.97 x 1.09 in.
DI-120V-FOIL-PD30-32-WH	32 in.	3000K	1225	White	32.81 x 0.97 x 1.09 in.
DI-120V-FOIL-PD35-12-BZ	12 in.	3500K	554	Dark Bronze	12.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD35-12-WH	12 in.	3500K	554	White	12.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD35-18-BZ	18 in.	3500K	718	Dark Bronze	18.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD35-18-WH	18 in.	3500K	718	White	18.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD35-24-BZ	24 in.	3500K	1037	Dark Bronze	24.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD35-24-WH	24 in.	3500K	1037	White	24.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD35-32-BZ	32 in.	3500K	1225	Dark Bronze	32.81 x 0.97 x 1.09 in.
DI-120V-FOIL-PD35-32-WH	32 in.	3500K	1225	White	32.81 x 0.97 x 1.09 in.
DI-120V-FOIL-PD40-12-BZ	12 in.	4000K	554	Dark Bronze	12.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD40-12-WH	12 in.	4000K	554	White	12.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD40-18-BZ	18 in.	4000K	718	Dark Bronze	18.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD40-18-WH	18 in.	4000K	718	White	18.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD40-24-BZ	24 in.	4000K	1037	Dark Bronze	24.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD40-24-WH	24 in.	4000K	1037	White	24.31 x 0.97 x 1.09 in.
DI-120V-FOIL-PD40-32-BZ	32 in.	4000K	1225	Dark Bronze	32.81 x 0.97 x 1.09 in.
DI-120V-FOIL-PD40-32-WH	32 in.	4000K	1225	White	32.81 x 0.97 x 1.09 in.

PRODUCT IMAGE	PRODUCT DESCRIPTION	SKU	COLOR
	FENCER Series FOIL Linkable End-to-End Connector	DI-FOIL-ETE-WH	White
		DI-FOIL-ETE-BZ	Dark Bronze
	FENCER Series FOIL 6 in. Extension Cable	DI-FOIL-6EXT-WH	White
		DI-FOIL-6EXT-BL	Black
	FENCER Series FOIL 12 in. Extension Cable	DI-FOIL-12EXT-WH	White
		DI-FOIL-12EXT-BL	Black
	FENCER Series FOIL 72 in. Power Cable with AC Plug	DI-FOIL-ACPWR-WH	White
		DI-FOIL-ACPWR-BL	Black
	FENCER Series FOIL 72 in. Power Cable with Hard-Wire Connection	DI-FOIL-HWPWR-WH	White
		DI-FOIL-HWPWR-BL	Black

TRIANT®
LED Puck Light

FEATURES & BENEFITS

- Sleek, sturdy aluminum housing with multiple finish options
- Exclusive, high performance Samsung® LEDs
- Smooth and consistent dimming
- UL Listed for residential and commercial applications

QUICK SPECS

Voltage	12VDC
Wattage per Fixture	3.92W / 326mA
Dimmable	Yes
Environment	Indoor
Dimensions	2.72 x 0.53 in.
Certification	UL Listed 2108

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

c(UL)us LISTED   12VDC   DIMMABLE

TRIANT® Models & Accessories

SKU	CCT		CRI	LUMENS	FINISH	
DI-0332-SA		3000K	82	275		Brushed Aluminum
DI-0332-SB		3000K	82	275		Black Satin
DI-0332-SW		3000K	82	275		White Satin
DI-0333-SA		6200K	74.5	348		Brushed Aluminum
DI-0333-SB		6200K	74.5	348		Black Satin
DI-0333-SW		6200K	74.5	348		White Satin

2.72 in.

Surface mounting (with mounting ring)

0.53 in.

Mounting ring

Recessed mounting (without mounting ring)

2.55 in.

36 in.

2.26 in.
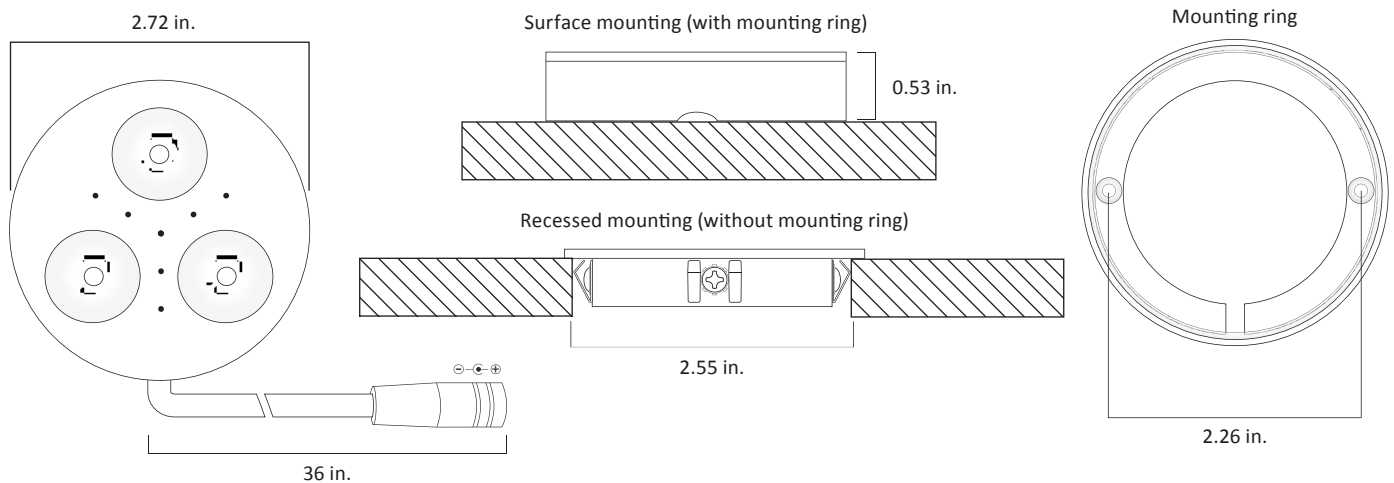
PRODUCT IMAGE	PRODUCT DESCRIPTION		PRODUCT IMAGE	PRODUCT DESCRIPTION

Adapter Splice Cable – Female

Pack of 5: DI-PVC2464-DL42-SPL-F-5	White
Pack of 25: DI-PVC2464-DL42-SPL-F-25	

Adapter Splice Cable – Male

Pack of 5: DI-PVC2464-DL42-SPL-M-5	White
Pack of 25: DI-PVC2464-DL42-SPL-M-25	

39 in. DC Extension Cable

Pack of 5: DI-0708-5	White
Pack of 25: DI-0708-25	
Pack of 5: DI-0708B-5	Black
Pack of 5: DI-0708B-25	

2-Way DC Splitter

Pack of 5: DI-0720-5	White
Pack of 25: DI-0720-25	
Pack of 5: DI-0720B-5	Black
Pack of 25: DI-0720B-25	

3-Way DC Splitter

Pack of 5: DI-0705-5	White
Pack of 25: DI-0705-25	
Pack of 5: DI-0705B-5	Black
Pack of 25: DI-0705B-25	

4-Way DC Splitter

Pack of 5: DI-DCSP4-5	White
Pack of 25: DI-DCSP4-25	

5-Way DC Splitter

Pack of 5: DI-0707-5	White
Pack of 25: DI-0707-25	
Pack of 5: DI-0707B-5	Black
Pack of 25: DI-0707B-25	

CASCADE® 2 LED Light Bar

FEATURES & BENEFITS

- Suitable for indoor and wet location environments
- Ideal for commercial and retail applications
- Plug-and-play installation
- High light output
- Linkable up to 60W

QUICK SPECS

Voltage	12VDC
Wattage per Fixture	(12 in.) 3.4W | (24 in.) 6.7W
Dimmable	Yes
Environment	Outdoor/Indoor
Finish	Brushed Aluminum
Certification	ETL Listed 2108

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

ACCESSORIES FOR FOR THESE PRODUCTS ON PAGE 76

SKU	LENGTH	CCT		LUMENS	CRI
DI-12V-CS230-8001	12 in.		3000K	295	82
DI-12V-CS230-8002	24 in.		3000K	584	82
DI-12V-CS263-8001	12 in.		6300K	328	84
DI-12V-CS263-8002	24 in.		6300K	655	84

SUNRISE® 2 LED Light Bar

FEATURES & BENEFITS

- Suitable for indoor and wet location environments
- Ideal for commercial and retail applications
- Plug-and-play installation
- Slim and low-profile
- Linkable up to 8 fixtures

QUICK SPECS

Voltage	12VDC
Wattage per Fixture	3W
Dimmable	Yes
Environment	Outdoor/Indoor
Finish	Brushed Aluminum
Certification	ETL Listed 2108

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

ACCESSORIES FOR FOR THESE PRODUCTS ON PAGE 76

SKU	LENGTH	CCT		LUMENS	CRI
DI-12V-SR230-8002	24 in.		3000K	271	81
DI-12V-SR263-8002	24 in.		6300K	264	82

SPOTMOD® Recessed Gimbal Wet Location LED Fixture

FEATURES & BENEFITS
- Sleek, compact and sturdy aluminum housing
- 15° and 45° beam angle options
- Adjustable gimbal for directional lighting
- Suitable for indoor and outdoor applications

QUICK SPECS

Voltage	12VDC
Wattage per Fixture	2.13W / 176mA
Dimmable	Yes
Environment	Outdoor/Indoor
Finish	Brushed Aluminum
Dimensions	1.25 x 2.05 x 0.91 in.
Certification	ETL Listed 2108

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

ACCESSORIES FOR FOR THESE PRODUCTS ON PAGE 76

SKU	BEAM ANGLE	CCT	LUMENS	CRI
DI-SPOT-RG30-15-BA	15°	3000K	130	82
DI-SPOT-RG30-45-BA	45°	3000K	134	82
DI-SPOT-RG50-15-BA	15°	5000K	163	66
DI-SPOT-RG50-45-BA	45°	5000K	167	66

SPOTMOD® Wet Location LED Fixture

FEATURES & BENEFITS
- 15° and 45° beam angle options
- Compact and sturdy aluminum housing
- Suitable for indoor and outdoor applications
- Low wattage and heat

QUICK SPECS

Voltage	12VDC
Wattage per Fixture	2.13W / 176mA
Dimmable	Yes
Environment	Outdoor/Indoor
Finish	Brushed Aluminum
Dimensions	1.56 x 1.56 x 1.1 in.
Certification	ETL Listed 2108

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

ACCESSORIES FOR FOR THESE PRODUCTS ON PAGE 76

SKU	BEAM ANGLE	CCT	LUMENS	CRI
DI-SPOT-SP30-15-BA	15°	3000K	130	82
DI-SPOT-SP30-45-BA	45°	3000K	134	82
DI-SPOT-SP50-15-BA	15°	5000K	163	66
DI-SPOT-SP50-45-BA	45°	5000K	167	66

Wet Location LED Fixture Accessories

Connector Note: Class 2 maximum load limit on all CLICKTIGHT tape light connectors.

60W on 12V circuits
96W on 24V circuits

For use with the following fixtures only:

CASCADE® 2
SUNRISE® 2
SPOTMOD® Gimbal Wet location
SPOTMOD® Wet location

Wet Location Splice Connector Pair

One pair is included with strip light. Connector pair includes both male and female connectors.
Dimensions: 4.5 x 0.3 in.

SKU	BUNDLE
DI-0725-5	5 Pairs
DI-0725-25	25 Pairs

FEATURES & BENEFITS
• Wet or dry environments
• Durable and flexible

12VDC	24VDC	WET LOCATION

Wet Location Male to Female Extension Cables

Creates an extension between wet location light connectors.
Dimensions: 0.3 in. (width)

6 IN.	12 IN.	24 IN.	BUNDLE
DI-0757-5	DI-0758-5	DI-0759-5	Pack of 5
DI-0757-25	DI-0758-25	DI-0759-25	Pack of 25

FEATURES & BENEFITS
• Wet or dry environments
• Durable and flexible

12VDC	24VDC	WET LOCATION

Wet Location Splitter Plug Connector

Delivers power to multiple non-linear locations.
Dimensions: 8 x 0.5 in. (L x W)

2-WAY	3-WAY	5-WAY	BUNDLE
DI-0804-5	DI-0805-5	DI-0806-5	Pack of 5
DI-0804-25	DI-0805-25	DI-0806-25	Pack of 25

FEATURES & BENEFITS
• Wet or dry environments
• Durable and flexible

12VDC	24VDC	WET LOCATION

Wet Location Plug to DC Plug Connector

Wet location plug converter for use with DC accessories and Diode LED's Plug-In Adapters. (See page 88)
Dimensions: 6 x 0.3 in. (L x W)

MALE	FEMALE	BUNDLE
DI-0710M-5	DI-0710F-5	Pack of 5
DI-0710M-25	DI-0710F-25	Pack of 25

FEATURES & BENEFITS
• Wet or dry environments
• Durable and flexible

12VDC	24VDC

A

B

C

D

SIGN & DISPLAY LIGHTING

Diode LED offers a wide breadth of commercial lighting for retail, display and sign lighting. Explore the multitude of possibilities with our high-impact LED lighting solutions from Diode LED.

A **LIGHT GUIDE PANELS**
High-performance and sized to your project specifications, make a statement with backlit graphics or as an ambient fixture.
(Page 86)

B **PURALIGHT® 2 LED MODULE**
Compact and bright, these modules illuminate your display in dry and wet environments.
(Page 82)

C **SPECIFORM® RETAIL**
Customize your linear lighting needs by size or output.
(Page 80)

D **SPECIFORM® COMMERCIAL**
The ultimate solution for mass-production and large-scale lighting solutions.
(Page 82)

E **EQUIFLUX® LED DISPLAY GRAPHICS LIGHT**
Make a statement using your fabric panel display with the brightest and best graphics display light.
(Page 84)

SPECIFORM®
Mass Production for Easy Installation

MAKE THE LIGHT FIT YOUR PROJECT.
<u>NOT</u> THE OTHER WAY AROUND.

The ultimate solution for mass production of large-scale, commercial and residential LED linear lighting projects. SPECIFORM is perfect for those that have big plans and need lighting that is ready to install. Name your specs and we will deliver a modular, semi rigid, quick and easy to install, lighting solution that's made just for the job.

MADE-TO-ORDER LED LIGHTING:
- Connect from 4 inch to 4 foot lengths
- Link up to 16 feet of linear light sections
- Wide selection of color temperatures
- Choose your brightness
- 12VDC or 24VDC
- Multiple mounting options
- Quick turnaround

Specify your exact lighting requirements for unique lighting projects.

Perfect solution for large scale rollout.

SPECIFORM IS PERFECT FOR:

- Retail and display
- Casinos
- Offices
- Residential builders
- Hotel and hospitality
- Restaurants and bars
- Hospitals

YOUR SPECS (customized by you)

Voltage	12VDC or 24VDC
CRI Range	80-90+
Lumens	Custom
Wire Quick Connects	Optional
Certification	UL Listed 2108

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

COLOR OFFERINGS

CCT
2400K
2700K
3000K
3500K
4200K
5000K
6300K

Other CCT options available by special order only. Contact Diode LED's Customer Service for more details.

UL CERTIFIED SAFETY

c **UL** us

12VDC 24VDC

DIMMABLE CUSTOMIZABLE

90+ HIGH CRI
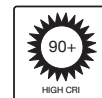
ORDERING NOTE: pricing and lead-time are based on project scale.

Talk to a sales representative today to find out more about SPECIFORM. Call 877.817.6028 or email quotes@DiodeLED.com for details.

EXHIBITUS DISPLAYS — fabricated LED lighting for pre-designed displays and architecture.

PURALIGHT® 2
LED Light Modules

The PURALIGHT 2 LED Light Modules come in multi-unit strands of water-resistant, durable modules that are ready to perform in all environments. Easy to install, compact, resilient and high performing with an 80+ CRI output, these light modules are perfect for backlit or channel letter signage, halo illumination and architectural accents. The support of our Customer Service Team along with an IP65 rating promote peace of mind for an installation that will stand the test of time.

FEATURES & BENEFITS
- Wide beam angle eliminates hot spots
- 80+ CRI*: Superior color rendering
- IP65 (Indoor/Outdoor)
- Adhesive backing
- Cuttable between modules

QUICK SPECS

Voltage	12VDC
Light Beam Angle	160°
Environment	Outdoor/Indoor
Certification	Component Recognized

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

c**UL**us | CE | 12VDC | WET LOCATION | COLOR-CHANGING | DIMMABLE

MONOBRIGHT™

DUOBRIGHT™

TRIOBRIGHT™

TILEBRIGHT™

PURALIGHT®2 Model Options

MONOBRIGHT™
LED Light Module

SKU	CCT	INPUT VOLTAGE	LUMENS PER MODULE	CRI	WATTAGE PER MODULE / SPOOL	MAXIMUM RUN	DETAILS
DI-12V-P2-MB75	7500K	12VDC	181	72	2.1W / 42W	20 ft.	52 x 35 x 7.4 mm 2.05 x 1.38 x 0.3 in. 20 modules /strand

DUOBRIGHT™
LED Light Module

SKU	CCT	LUMENS PER MODULE	INPUT VOLTAGE	CRI	WATTAGE PER MODULE / SPOOL	MAXIMUM RUN	DETAILS
DI-12V-P2-DB__*	3000K	56	12VDC	84	0.72W / 36W	50 ft.	49.2 x 20.5 x 5.5 mm 1.94 x 0.81 x 0.22 in. 40 modules /strand
	4000K	64					
	5000K	63					
	6200K	65					
	9000K	59					
	11000K	58					
	Yellow	See Specification Sheet					
	Red						
	Green						
	Blue						

TRIOBRIGHT™
LED Light Module

SKU	CCT	LUMENS PER MODULE	INPUT VOLTAGE	CRI	WATTAGE PER MODULE / SPOOL	MAXIMUM RUN	DETAILS
DI-12V-P2-TB__*	3000K	78	12VDC	84	1.08W / 43.2W	40 ft.	73 x 19 x 5.5 mm 2.88 x 0.75 x 0.22 in. 40 modules /strand
	4000K	94					
	5000K	87					
	6200K	88					
	9000K	98					
	11000K	85					
	Yellow	See Specification Sheet					
	Red						
	Green						
	Blue						

TILEBRIGHT™
LED Light Module

SKU	CCT	LUMENS PER MODULE	INPUT VOLTAGE	CRI	WATTAGE PER MODULE / SPOOL	MAXIMUM RUN	DETAILS
DI-12V-P2-TL__*	3000K	105	12VDC	84	1.44W / 57.6W	40 ft	48 x 44.3 x 4.5 mm 1.89 x 1.75 x 0.18 in. 40 modules /strand
	4000K	121					
	5000K	114					
	6200K	128					
	9000K	114					
	11000K	110					
	Yellow	See Specification Sheet					
	Red						
	Green						
	Blue						

*BUILD YOUR SKU NUMBER: Substitute with **30**(3000K), **40**(4000K), **50**(5000K), **62**(6200K), **90**(9000K), **11**(11000K) CCT options or **YL**(Yellow), **RD**(Red), **GN**(Green), **BL**(Blue)

TRIOBRIGHT
RGB LED Light Module
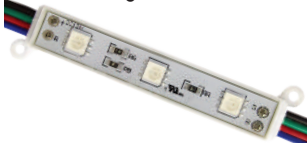
SKU	CCT	INPUT VOLTAGE	LUMENS PER MODULE	CRI	WATTAGE PER MODULE / SPOOL	MAXIMUM LENGTH	DETAILS
DI-12V-TRGB	RGB	12VDC	14 max	N/A	0.72W / 18W	25 ft.	71 x 12 x 7.2 mm 2.78 x 0.47 x 0.28 in. 25 modules /strand

EQUIFLUX® LED Display Graphics Light

The EQUIFLUX® 1055 LED Display Graphics Lighting System is a high-powered LED linear light mounted on rigid metal printed circuit board (PCB) that provides bright, even lighting for retail and trade show display graphics. The optical LEDs are specifically designed to produce uniform illumination without hot spots or shadows with up to 4 feet of light throw. The bright, evenly distributed light renders whites cleanly and colors vividly. Our EQUIFLUX LED Display Graphics Lighting System was specifically designed and engineered by Elemental LED to provide the highest quality center illumination for display graphics with all the inherent benefits of LED technology.

The optical lens directs the light in an intersecting parallel beam, creating a column of consistent illumination. Each LED is covered by a 10° x 55° degree optical lens that creates an elliptical light throw that optimizes the lumen output. The 10 degree beam angle focuses the vertical light output to provide light within a narrow framework, while the 55 degree beam angle maximizes the spread for overall side-to-side coverage. The result is an ultra-bright, uniform distribution of light with no hot spots or shadows, ideally suited for narrow display frameworks. The lightweight light bar mounts directly to extruded aluminum framing systems and other narrow metal display frame systems using the included slot-mounted compression screws.

FEATURES & BENEFITS

- Even and consistent light distribution
- Optically refined reflective patterns
- High-impact light
- Linkable up to 9 ft.

QUICK SPECS

Voltage	24VDC
Light Beam Angle	10° x 55°
Environment	Indoor only
Certification	UL Listed 2108

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

SIDE VIEW
10° vertical lensing provides a narrow vertical lighting beam.

MAXIMUM LIGHT COVERAGE

With up to 4 feet of light throw, the EQUIFLUX LED Display Graphics Light can fit into most display frame systems for full coverage illumination of graphics.

FRONT VIEW
55° horizontal lensing provides a wide horizontal intersecting lighting beam.
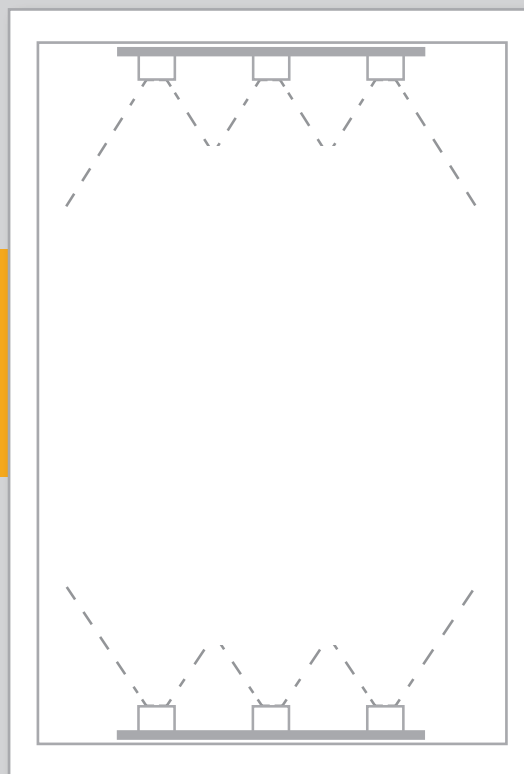
EQUIFLUX® Model Options

24-inch EQUIFLUX

12-inch EQUIFLUX

SKU	VOLTAGE	LED CHIPS PER FIXTURE	LUMENS PER FIXTURE	WATTAGE PER FIXTURE	CCT		DIMENSIONS
DI-24V-EQUI-6500-12-1055	24VDC	3	686	9.4W		6500K	11.4 x 1.2 x 0.4 in.
DI-24V-EQUI-6500-24-1055	24VDC	6	1371	18.8W		6500K	22.9 x 1.2 x 0.4 in.
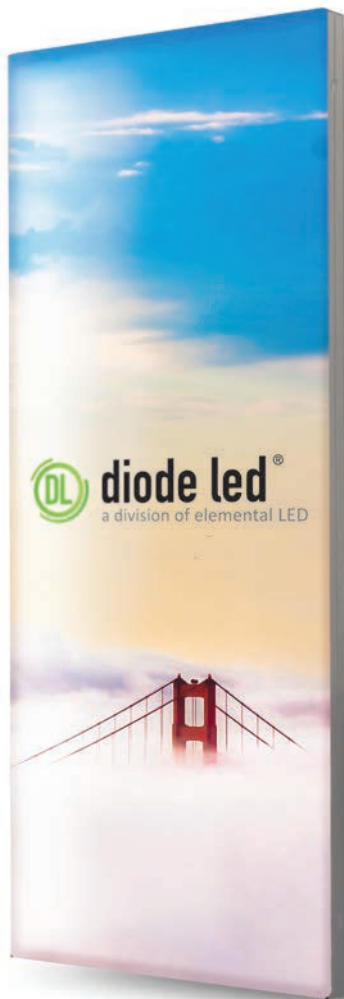
Displays that Stand Out

EQUIFLUX is mounted along the inside edges of the display and directs light inward into the graphic for up to 4 ft. of maximum illumination.

LIGHT GUIDE PANELS

UL Listed Fixture
Dimmable
CCT Matching
RGB Options
12V or 24V Power

Light Guide Panels for Display & General Illumination

The best option for even light diffusion across a display or backlit graphic image is now ready to order, with the LED Light Guide Panel by Diode LED. We customize the LED Panel based on your specifications and on the dimensions of the graphic. Using a unique dot pattern on each customized panel, these light guide panels deliver even light distribution previously unavailable on a thin form factor.

MADE-TO-ORDER FOR EVERY PROJECT

No matter the size of the project, you get the best combination of panel tiling with your desired brightness, color temperature and thickness. We also offer custom framing to secure and protect your new, ideal light panel. We work with you to achieve the best performance from your light panel for backlit display or accent lighting.

FEATURES & BENEFITS

- Low-profile form factor
- Even and consistent light distribution
- Customized dimensions

QUICK SPECS

Voltage	12 or 24VDC
Certification	UL Listed

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

c UL us LISTED   12VDC   24VDC

DIMMABLE   CUSTOMIZABLE   COLOR-CHANGING

LIGHT GUIDE PANEL ORDERING GUIDE

What is the application?

Examples: General illumination, backlit graphics, signage, illuminated shelving, light boxes

What size will you need?

We can build you the Light Guide Panel of your choosing in sizes up to 58 x 118 inches.

CORRELATED COLOR TEMPERATURES:
2000K - 6500K

NEW COLORS:
Red, Green, Blue, Yellow & RGB

LET OUR EXPERIENCED TEAM HELP YOU BUILD YOUR NEXT LIGHT GUIDE PANEL PROJECT. CALL **877.817.6028** OR EMAIL **quotes@DiodeLED.com**.

✔ **Custom Sizes:** Up to 58 x 118 in. panels

✔ **LED Color:** Custom color options

✔ **Lumen Output:** Custom brightness

✔ **Power Options:** Plug-in adapter or hard-wire driver options

✔ **Control:** Dimmable, On/Off or remote color control

A

B

C

D

SWITCHES, DIMMERS, WIRE & ACCESSORIES

A **LO-PRO® JUNCTION BOX**
Patent pending UL Listed electrical enclosure that can be used with select drivers in a wide range of environments for commercial, retail and residential applications.
(Page 97)

B **INLINE DIMMERS & SWITCHES**
Ideal for temporary or short term installations to control LED lighting systems.
(Page 92)

C **MULTI-CONDUCTOR WIRE**
Safe and durable, Diode LED multi-conductor wire serves every need.
(Page 94)

D **SWITCHEX®**
DRIVER + DIMMER SWITCH
Simplify installations by using an LED driver and switch combined together.
(Page 90)

E **TOUCHDIAL®**
LED CONTROL SYSTEM
Control multiple zones of LED lighting systems with a remote or mobile device using your WiFi network.
(Page 92)

SWITCHEX®
Driver + Dimmer Switch

The patent pending SWITCHEX combines an LED dimmer switch and LED power supply into a single integrated unit. The SWITCHEX Driver + Dimmer Switch accepts 120VAC and converts it to low voltage DC, all within a standard electrical box. With power options up to 100W, it is a true revolutionary step forward for power and control of LED lighting.

SEE MODEL OPTIONS ON PAGE 108 OR LEARN MORE ABOUT SWITCHEX ON THE WEBSITE...

www.DiodeLED.com/switchex

WINNER OF THE ARCHITECTURAL SSL PRODUCT INNOVATION AWARD

Fits in standard electrical boxes.
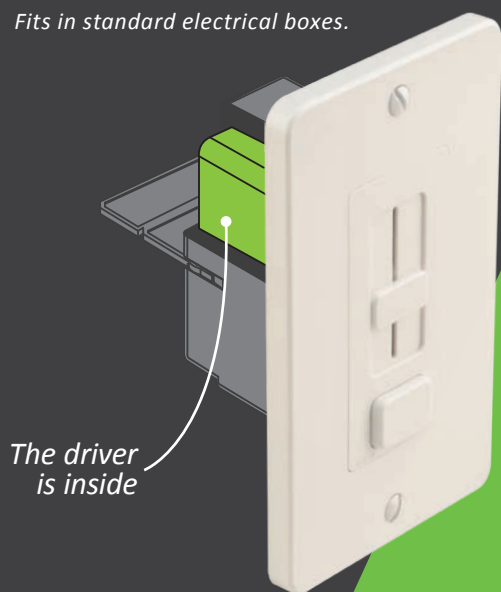
The driver is inside

FEATURES & BENEFITS
- Simplifies your LED installation
- Eliminates compatibility issues between drivers and switches
- Superior LED dimming performance (100% – 5%)
- Preset dimmer with on/off switch
- Interchangeable faceplate colors included

QUICK SPECS

Environment	Indoor
Input Voltage	120VAC
Output Voltage	12VDC & 24VDC models
Wattage	40W , 60W & 100W models
Mounting	Standard electrical box
Certifications	UL Listed 2108

12VDC   24VDC

REIGN® Wall Mount LED Dimmer Switch

REIGN Wall Mount LED Dimmer Switches are the stylish companion for Constant Voltage Drivers to provide smooth dimming range, from 100% – 1%, with no flickering, humming or dead-travel. They fit right into a standard electrical box for easy installation.

TOUCH DIMMER:
Featuring a touch-sensitive surface with fade-on/fade-off illumination and power memory.

BUTTON SLIDE:
Intuitive and compact slider with an on/off button switch with fade-on/fade-off illumination

FULL SLIDE
A sturdy, easy-to-grip slider with an on/off toggle switch.

TOUCH DIMMER

FULL SLIDE

BUTTON SLIDE

FEATURES & BENEFITS

- 12V-24V PWM Dimmers
- Choice of 2 finishes
- 100W limit
- Easy upgrade from a single on/off switch

ETL Listed — Intertek

DIMMABLE

12VDC

24VDC

QUICK SPECS

Environment	Indoor
Voltage	12VDC & 24VDC
Maximum Wattage	100W
Mounting	Standard electrical box
Certification	ETL Listed 508

COMPATIBILITY NOTE

REIGN Dimmer Switches are low voltage dimmer switches that operate only with our standard 12V or 24VDC Constant Voltage Drivers (page 120-123). See the specifications sheet on www.DiodeLED.com for compatibility and installation guidlelines.

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

SKU	VOLTAGE	FINISH	SWITCH TYPE
DI-1150-LA	12-24VDC	Light Almond	Button Slide
DI-1150-W	12-24VDC	Gloss White	Button Slide
DI-1151-LA	12-24VDC	Light Almond	Full Slide
DI-1151-W	12-24VDC	Gloss White	Full Slide
DI-REIGN-TS-LA	12-24VDC	Light Almond	Touch Dimmer
DI-REIGN-TS-WH	12-24VDC	Gloss White	Touch Dimmer

12V–24VDC Inline Switches & Dimmers

Choose from any of these dimmers and switches for use with our low-voltage LED lighting and Constant Voltage Driver or Plug-In Adapter for simple to complex control over your lighting application.

Consult the product page at www.DiodeLED.com to find complete installation guides and specification sheets.

Inline LED Dimmer Switch

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

SKU	WORKING VOLTAGE	MAX. LOAD	COLOR
DI-0715	12-24VDC	12V: 24W max. 24V: 48W max.	White
DI-0715-B	12-24VDC		Black
DI-INLINE-DS-5A-W	12-24VDC	12V: 60W max. 24V: 100W max.	White
DI-INLINE-DS-5A-B	12-24VDC		Black

FEATURES & BENEFITS
- Good for small installations
- White or Black
- 12V and 24V compatible
- Use with Constant Voltage Drivers and Plug-In Adapters

| 12VDC | 24VDC | DIMMABLE |

Inline On/Off Led Switch

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

SKU	WORKING VOLTAGE	MAX. LOAD	COLOR
DI-0714	12-24VDC	12V: 24W max. 24V: 48W max.	White
DI-0714-B	12-24VDC		Black
DI-INLINE-OS-5A-W	12-24VDC	12V: 60W max. 24V: 100W max.	White
DI-INLINE-OS-5A-B	12-24VDC		Black

FEATURES & BENEFITS
- Good for small installations
- White or Black
- 12V and 24V compatible
- Use with Constant Voltage Drivers and Plug-In Adapters

| 12VDC | 24VDC |

TOUCHDIAL™ LED Control System

The new TOUCHDIAL zone control system controls solid-color dimming and RGB(W) LED lighting via mobile device and additional TOUCHDIAL controls.

SKU	ITEM
DI-RF-REC-CV-A	TOUCHDIAL Receiver
DI-RF-REM-RGBW-4	TOUCHDIAL RGB(W) Remote Control
DI-RF-REM-DIM-5	TOUCHDIAL Remote Dimmer Control
DI-WIFI-RF-TRMS	TOUCHDIAL WiFi Hub

FEATURES & BENEFITS
- Works in existing WiFi network
- iOS and Android devices
- Controls up to 8 lighting zones
- Expandable with additional receivers

| 12VDC | 24VDC |

| DIMMABLE | COLOR-CHANGING |

For complete control of changing your color mode, speed and brightness level, check out the TOUCHDIAL WiFi Control System on page 59.

DC Plug Accessories

Adapter Splice Cables and DC Splitters are rated for Class 2 applications.

12V – Up to 60W
24V – Up to 100W

PRODUCT IMAGE	PRODUCT DESCRIPTION	SKU	COLOR
	Adapter Splice Cable – Female Allows lead wire connections from a female DC Plug. Wire: 18/2 AWG. Dimensions: 42 x 0.45 in. (L x Dia)	**Pack of 5:** DI-PVC2464-DL42-SPL-F-5 **Pack of 25:** DI-PVC2464-DL42-SPL-F-25	☐ White
	Adapter Splice Cable – Male Allows lead wire connections from a male DC Plug. Wire: 18/2 AWG. Dimensions: 42 x 0.45 in. (L x Dia)	**Pack of 5:** DI-PVC2464-DL42-SPL-M-5 **Pack of 25:** DI-PVC2464-DL42-SPL-M-25	☐ White
	39 in. DC Extension Cable Creates an extension between any fixture or accessory featuring standard DC plugs. Wire: 18/2 AWG. Dimensions: 39.4 x 0.45 in. (L x Dia)	**Pack of 5:** DI-0708-5 **Pack of 25:** DI-0708-25 **Pack of 5:** DI-0708B-5 **Pack of 25:** DI-0708B-25	☐ White ■ Black
	2–Way DC Splitter Splits power output from single female DC plug to two male DC plugs. Wire: 22/2 AWG. Dimensions: 8 x 0.4 in. (L x Dia)	**Pack of 5:** DI-0720-5 **Pack of 25:** DI-0720-25 **Pack of 5:** DI-0720B-5 **Pack of 25:** DI-0720B-25	☐ White ■ Black
	3–Way DC Splitter Splits power output from single female DC plug to three male DC plugs. Wire: 22/2 AWG. Dimensions: 8 x 0.6 in. (L x Dia)	**Pack of 5:** DI-0705-5 **Pack of 25:** DI-0705-25 **Pack of 5:** DI-0705B-5 **Pack of 25:** DI-0705B-25	☐ White ■ Black
	4–Way DC Splitter Splits power output from single female DC plug to four male DC plugs. Wire: 22/2 AWG. Dimensions: 8 x 0.6 in. (L x Dia)	**Pack of 5:** DI-DCSP4-5 **Pack of 25:** DI-DCSP4-25	☐ White
	5–Way DC Splitter Splits power output from single female DC plug to five male DC plugs. Wire: 22/2 AWG. Dimensions: 8 x 0.6 in. (L x Dia)	**Pack of 5:** DI-0707-5 **Pack of 25:** DI-0707-25 **Pack of 5:** DI-0707B-5 **Pack of 25:** DI-0707B-25	☐ White ■ Black

Wire Management — Clips and Fasteners

PRODUCT IMAGE		PRODUCT DESCRIPTION	SKU	MOUNTING	DIMENSIONS
		Wire Fastener (10 pack) Recommended Usage: 16/2, 18/2, 20/2, 20/3, 20/4, 20/5 AWG wire	DI-WM-WF	(2) #5 x 1/2 in. Zinc Screws	0.94 x 0.3 x 0.2 in. (L x W x H)
		Wire Clip (10 pack) Recommended Usage: 20/2, 20/3, 20/4, 20/5 AWG wire	DI-WM-WC	3M™ Adhesive Tape	0.57 x 0.37 x 0.22 in. (L x W x H)
		J-Clip (10 pack) Recommended Usage: CL-2, RJ45, XLR, AC Power Cord	DI-WM-JC	(1) #5 x 1/2 in. Zinc Screw	0.87 x 0.39 x 0.35 in. (L x W x H)

In–Wall Rated Two Conductor Wire

Hide the wires behind the wall for a discrete installation. The In-Wall Rated Wire is the best option for this low-voltage lighting configuration and is perfect for large or small remodels and upgrades. This Class 2 wire conforms to National Electrical Code (NEC) safety standards for in-wall lighting installation and comes in 16 AWG and 18 AWG (American Wire Gauge).

FEATURES & BENEFITS
• UL Listed Class 2 wire
• Rated for use in-wall installations
• High purity, oxygen-free copper
• Durable outer jacket insulation

SKU	NUMBER OF CONDUCTORS	GAUGE	LENGTH
DI-0824-F	2 Conductors	18 AWG	1 ft.
DI-0824-S	2 Conductors	18 AWG	250 ft. spool
DI-0825-F	2 Conductors	16 AWG	1 ft.
DI-0825-S	2 Conductors	16 AWG	250 ft. spool

Multi–Conductor Wire

Multi-Conductor Wire offers the flexibility to accommodate large LED linear lighting installations. This stranded wire is available in several gauges and your choice of number of conductors to match the LED lighting type in your installation.

FEATURES & BENEFITS
• UL 2464 AWM copper stranded wire
• PVC jacketing is molded to the internal wiring for durability and safety
• This PVC jacketed wiring is highly flexible for ease of installation
• All internal wires are color coded to easily differentiate specific wires during installation

2 Conductor   4 Conductor   5 Conductor
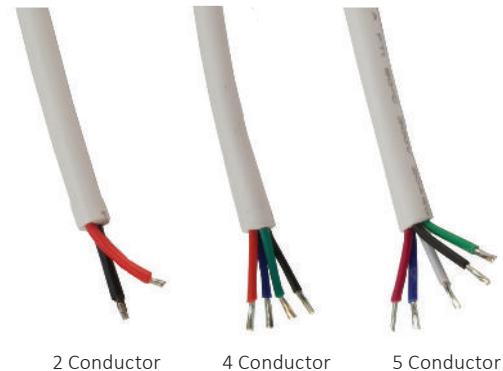
WHITE JACKET	BLACK JACKET	NUMBER OF CONDUCTORS	WIRE GAUGE	LENGTH
DI-PVC2464-182MCW-001	DI-PVC2464-182MCB-001	2 Conductors	18 AWG	1 ft.
DI-PVC2464-182MCW-250	DI-PVC2464-182MCB-250	2 Conductors	18 AWG	250 ft. spool
DI-PVC2464-202MCW-001	DI-PVC2464-202MCB-001	2 Conductors	20 AWG	1 ft.
DI-PVC2464-202MCW-250	DI-PVC2464-202MCB-250	2 Conductors	20 AWG	250 ft. spool
DI-PVC2464-204MCW-001	DI-PVC2464-204MCB-001	4 Conductors	20 AWG	1 ft.
DI-PVC2464-204MCW-250	DI-PVC2464-204MCB-250	4 Conductors	20 AWG	250 ft. spool
DI-PVC2464-205MCW-001	-	5 Conductors	20 AWG	1 ft.
DI-PVC2464-205MCW-250	-	5 Conductors	20 AWG	250 ft. spool

Voltage Drop

WHAT IS VOLTAGE DROP?

Voltage drop is defined as the amount of voltage loss that occurs through all or part of a circuit. Wires and electrical components carrying current have resistance to current flow, causing voltage drop.

It's important to consider voltage drop when specifying an LED array system (ex. LED tape light, modules, etc.) as the LED driver (power supply) is generally installed in a remote location aside from the luminaire. This requires specifying the proper wire gauge (AWG) or thickness of wire to allow current to flow properly through varying distances from the LED driver to luminaire. Specifying the incorrect wire gauge can lead to a variety of problems including perceived flicker and shift in brightness across long runs of LED tape light.

Example: 12V Voltage Drop & Wire Length Distance Chart

WIRE GAUGE	10 W .83 A	20 W 1.7 A	30 W 2.5 A	40 W 3.3 A	50 W 2.1 A	60 W 4.2 A
18 AWG	34 ft.	17 ft.	11 ft.	8 ft.	6 ft.	5 ft.
16 AWG	54 ft.	27 ft.	18 ft.	13 ft.	10 ft.	9 ft.
14 AWG	86 ft.	43 ft.	29 ft.	21 ft.	17 ft.	14 ft.
12 AWG	134 ft.	68 ft.	45 ft.	34 ft.	27 ft.	22 ft.
10 AWG	199 ft.	99 ft.	66 ft.	49 ft.	39 ft.	33 ft.

1. Determine Total Load: A 16.4 ft. spool of BLAZE is 47.2 watts. Round up to the nearest load of 50 watts.

2. Determine Distance from LED Driver to Load: Let's assume the distance is 25 ft. Round up to nearest distance of 27 ft.

3. It's recommended to install 12 AWG wire between the driver and luminaire to eliminate excess voltage drop.

12V Voltage Drop & Wire Length Distance Chart (3% Drop or 11.64V)*

WIRE GAUGE	10 W .83 A	20 W 1.7 A	30 W 2.5 A	40 W 3.3 A	50 W 2.1 A	60 W 4.2 A
18 AWG	34 ft.	17 ft.	11 ft.	8 ft.	6 ft.	5 ft.
16 AWG	54 ft.	27 ft.	18 ft.	13 ft.	10 ft.	9 ft.
14 AWG	86 ft.	43 ft.	29 ft.	21 ft.	17 ft.	14 ft.
12 AWG	134 ft.	68 ft.	45 ft.	34 ft.	27 ft.	22 ft.
10 AWG	199 ft.	99 ft.	66 ft.	49 ft.	39 ft.	33 ft.

*These tables provide general guidelines for determining wire gauge based on total load and distance from led driver to beginning of luminaire. For more accurate wire gauge recommendations for our most popular products, please visit www.DiodeLED.com and click on 'Technical Documents' under the 'Resources' tab.

24V Voltage Drop & Wire Length Distance Chart (3% Drop or 23.28V)*

WIRE GAUGE	10 W .42 A	20 W .83 A	30 W 1.3 A	40 W 1.7 A	50 W 2.1 A	60 W 2.5 A	70 W 2.9 A	80 W 3.3 A	100 W 4.2 A
18 AWG	134 ft.	68 ft.	45 ft.	33 ft.	27 ft.	22 ft.	19 ft.	17 ft.	14 ft.
16 AWG	215 ft.	109 ft.	72 ft.	54 ft.	43 ft.	36 ft.	31 ft.	27 ft.	22 ft.
14 AWG	345 ft.	174 ft.	115 ft.	86 ft.	69 ft.	57 ft.	49 ft.	43 ft.	36 ft.
12 AWG	539 ft.	272 ft.	181 ft.	135 ft.	108 ft.	90 ft.	77 ft.	68 ft.	56 ft.
10 AWG	784 ft.	397 ft.	263 ft.	197 ft.	158 ft.	131 ft.	112 ft.	98 ft.	82 ft.

Junction Boxes

Junction boxes (wire boxes) allow for safe wire connections and are ideal for installations that will be inspected for electrical codes requiring two conductor connections within an enclosure. Refer to the NEC and local electrical codes for requirements.

Mini Terminal Junction Box

The Mini Terminal Junction Box is a safe and easy way to splice wiring in a lighting application and features a slim design for low profile LED installations. This junction box is rated for high and low voltage electrical connections up to 450V, but is not rated for in-wall use.

FEATURES & BENEFITS
- Reinforced protected terminal block
- For use with solid or stranded wire
- Screw type connection
- Surface mount installation

SKU	MAX. LOAD	DIMENSIONS
DI-0841	24 Amps	1.87 x 1 x 0.75 in.

Commercial-Grade Mini Junction Boxes

Both models offers these safety features and benefits:
- Input terminal accepts 20 – 18 AWG cable
- Output terminal accepts 20 – 14 AWG cable
- Max Voltage Rating: 300VAC
- Max Amperage Rating: 10A

FEATURES & BENEFITS
- Commercial-grade insulated plastic
- Indoor and outdoor models
- Compact and easy to use
- Includes 3-wire push-in terminal block connector

SKU	ENVIRONMENT	DIMENSIONS
DI-JBOX-IND	Indoor	2.6 x 1.4 x 0.9 in.
DI-JBOX-OUT	Outdoor	4.8 x 1.8 x 1.1 in.

MEAN WELL® Junction Boxes

The MEAN WELL® Junction Box is NEMA 1 rated, with a silver finish with 1/2 inch NPT knockouts and features an easy access cover panel. Intended for contractor installations.

FEATURES & BENEFITS
- NEMA 1 steel enclosure
- ETL Listed
- Ground terminal connection

This junction box is for use with the following Constant Voltage Drivers only:
12V 150 Watt (DI-0908)
12V 200 Watt (DI-0909)
24V 200 Watt (DI-0957)

SKU	ENVIRONMENT	DIMENSIONS
DI-0940	Indoor	15.5 x 6.5 x 2.6 in.

LO–PRO® Junction Box (ETL Cert.)

The LO-PRO Junction Box is a low profile, rugged steel enclosure designed for use with our Constant Voltage Drivers. This junction box is a NEMA 1 rated indoor enclosure made of lightweight, but strong steel with a protective black powder-coated finish.

Designed for strict code and safety compliance, this junction box is ETL Listed and features separation for low-voltage and high-voltage wiring in an electrical enclosure. It features four 0.20 inch mounting holes for surface mounting and is designed with mounting hole positions to hold compatible power supplies securely.

FEATURES & BENEFITS

- ETL Listed
- Powder-coated steel for durability
- Low-profile and lightweight

The LO-PRO Junction Box is intended for use with these Constant Voltage Drivers located on pages 120 - 123 :
12V 20 Watt (DI-0904)
12V 35 Watt (DI-0918)
12V 60 Watt (DI-0906)
24V 35 Watt (DI-0970)

SKU	MAX. VOLTAGE	ENVIRONMENT	DIMENSIONS
DI-0980	250VAC	Indoor	7.7 x 4.9 x 1.8 in.

LO–PRO® Junction Box (UL Cert.)

An industry first, this patent pending UL Listed electrical enclosure meets electrical code requirements and cost saving measures with easy installation of LED power supplies in a wide range of environments. The truly amazing benefit of this enclosure is the UL Listed junction box and driver combination with select LED power supplies when ordering the UL DRIVER OPTION.

UL LISTED DRIVER OPTION

For details about the LO-PRO JUNCTION BOX & DRIVER COMBO OPTION, turn to the LED Power Supplies section of the catalog on page 102.

LO-PRO Junction Box - Large

LO-PRO Junction Box - Small

SKU	DESCRIPTION	ENVIRONMENT	DIMENSIONS
DI-JBOX-LPS	LO-PRO Junction Box - Small	Outdoor / Indoor	11.25 x 3.75 x 1.8 in.
DI-JBOX-LPL	LO-PRO Junction Box - Large	Outdoor / Indoor	13.5 x 4.5 x 2.25 in.

Fits in standard electrical boxes.

The driver is inside

A

WINNER OF THE ARCHITECTURAL SSL
PRODUCT INNOVATION AWARD
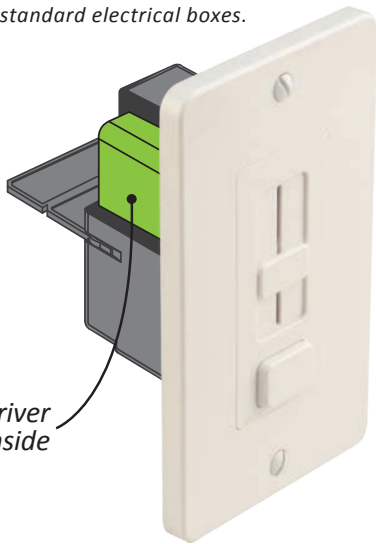
PRODUCT INNOVATION
pia 16
AWARD WINNER

B

C

D

LED
POWER
SUPPLIES

Diode LED offers a wide selection of hard-wired LED drivers and plug-in power adapters for many types of installations.

A SWITCHEX® DIMMER + DRIVER

With an LED driver and an integrated LED dimmer switch, installation is easier than ever before.
(Page 108)

B CONSTANT VOLTAGE LED DRIVERS

When considering color changing LED lighting, use Constant Voltage Drivers.
(Pages 120-123)

C LO-PRO® JUNCTION BOX & DRIVER COMBO

Make it a UL Listed Driver when orderering with the **UL DRIVER OPTION** SKU.
(Page 103)

D 0-10V DIMMABLE DRIVERS

Bring power to commercial spaces with a dimmable driver built for large jobs.
(Page 118)

E LUTRON® HI-LUME™ DIMMABLE DRIVERS

This driver series is intended for high-end commercial and residential lighting requirements such as increased dimming range and compatability with Lutron control options.
(Page 116)

101

LO-PRO® JUNCTION BOX & DRIVER COMBO

UL LISTED DRIVER OPTION

Component Recognized Driver

+

LO-PRO® Junction Box

=

UL Listed Driver from Diode LED

Receive a UL Listed driver when you order the **LO-PRO JUNCTION BOX & DRIVER COMBO** on select power supplies.

Diode LED designed the patent pending LO-PRO® Junction Box Series– a unique, multipurpose electrical enclosure– to meet electrical code requirements as well as cost saving measures with easy installation of LED power supplies in a wide range of environments. The truly amazing benefit of this enclosure is the UL Listed Driver from select LED power supplies available from Diode LED.

Diode LED recognized a tremendous demand for a solution that enabled contractors to provide an electrical box that not only secured a power supply, but also certifies the power supply as UL Listed when ordered with the UL Listed electrical box. It's the ultimate solution for commercial projects requiring products with the highest certification to meet strict inspections.

QUICK SPECS

Environment	Indoor/Outdoor
Knockouts	8x 0.75 in. knockouts
Material	Powder-coated stainless steel
Certification	UL Listed 1598, 508A & 1598

Stainless Steel Construction
Durable, powder-coated and corrosion-resistant.

Modular Mounting
Intuitive mounting design makes installation easy for a variety of power supplies, controls and electrical equipment.

Three-Sided Ventilation
Ventilation holes keep out dust while allowing heat to easily escape.

8x Knockouts
Connection to conduit entry is easy with eight (8) knockout options, fitting 0.75 in. strain reliefs.

Available In 2 Sizes
LO-PRO Box is available in two (2) sizes to fit small or large power supplies and other electrical equipment.

MULTIPLE UL CERTIFICATIONS

UL 1598 (UL# E469769) LED LOW VOLTAGE POWER UNIT
Certified as a listed LED low voltage power unit. Optional - only applies when purchased as a driver & j-box combo. See ordering options. A UL E469769 sticker will be placed on the outside of the LO-PRO box certifying the product as an LED low voltage power unit.

UL 508A (UL# E486215) INDUSTRIAL CONTROL PANEL
Type 1 enclosure - indoor. Can be used as a standard j-box for any component. This certification always applies to the LO-PRO box.

UL 1598 (UL# E485321) LUMINAIRE FITTING
Certified for field installation with Class 2 LED driver models and lighting systems outlined on the next page. This certification always applies to the LO-PRO box.

The new LO-PRO Junction Box makes it even easier to work with America's largest provider of low-voltage linear lighting solutions.

GET STARTED WITH YOUR
UL LISTED DRIVER OPTION
Use this chart to find drivers that qualify for the **LO-PRO COMBO**

LO-PRO® JUNCTION BOX & DRIVER COMBO

LO-PRO® Junction Box – Small
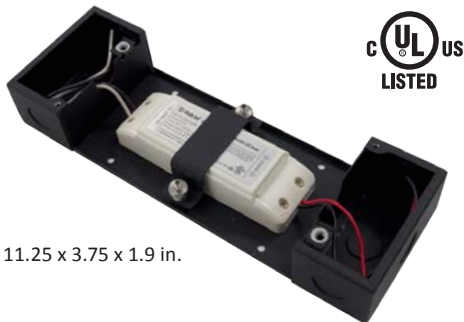
11.25 x 3.75 x 1.9 in.

LO-PRO® Junction Box – Large

13.5 x 4.5 x 2.37 in.

OMNIDRIVE® Electronic Dimmable Drivers

UL DRIVER OPTION (DRIVER/J-BOX COMBO)	WATTAGE	INPUT VOLTAGE	OUTPUT VOLTAGE	PAGE
DI-TD-12V-10W-LPS	10W			
DI-TD-12V-20W-LPS	20W			
DI-TD-12V-30W-LPS	30W	120VDC	**12VDC**	
DI-TD-12V-45W-LPL	45W			
DI-TD-12V-60W-LPL	60W			110
DI-TD-24V-10W-LPS	10W			
DI-TD-24V-20W-LPS	20W			
DI-TD-24V-30W-LPS	30W	120VDC	**24VDC**	
DI-TD-24V-45W-LPL	45W			
DI-TD-24V-60W-LPL	60W			
DI-TD-24V-80W-LPL	80W			

0-10V Drivers

UL DRIVER OPTION (DRIVER/J-BOX COMBO)	WATTAGE	INPUT VOLTAGE	OUTPUT VOLTAGE	PAGE
DI-DM-MW12V40W-0-10V-LPS	40W	120VDC	**12VDC**	
DI-DM-MW12V60W-0-10V-LPS	60W			118
DI-DM-MW24V60W-0-10V-LPS	60W	277VDC	**24VDC**	
DI-DM-MW24V90W-0-10V-LPL	90W			

Constant Voltage Drivers

UL DRIVER OPTION (DRIVER/J-BOX COMBO)	WATTAGE	INPUT VOLTAGE	OUTPUT VOLTAGE	PAGE
DI-0904-LPS	20W			
DI-0904-LPS	35W	120VDC	**12VDC**	121
DI-0906-LPS	60W			
DI-CV-MW12V40W-277-LPS	40W	277VDC		
DI-CV-MW12V60W-277-LPS	60W			
DI-0970-LPS	35W	120VDC	**24VDC**	123
DI-CV-MW24V60W-277-LPS	60W	277VDC		
DI-CV-MW24V90W-277-LPL	90W			
DI-0954-LPS	96W			

Diode LED Power Supply Product Comparison Chart

CHOOSING AN APPROPRIATE DRIVER TYPE

LED Drivers convert 120/240/277V AC power into low-voltage 12V DC or 24V DC power. The first step in choosing the correct LED driver is to determine the location of the installation and the dimming compatibility requirements. The following chart will help determine the recommended driver type.

INSTALLATION	DIMMING OR LIGHTING CONTROL METHOD	RECOMMENDED DRIVER TYPE
Permanent	Wall mounted Driver and Dimmer	SWITCHEX® LED Driver + Dimmer
	On/off switches, REIGN™ Dimmers and RGB/DMX controls	Constant Voltage LED Driver
	TRIAC forward phase MLV (Magnetic Low Voltage) dimmers	OMNIDRIVE® Series Drivers
	ELV (Electronic Low Voltage) dimmers	OMNIDRIVE® Series Drivers
	Compact fluorescent/LED (CFL/LED)	OMNIDRIVE® Series Drivers
	0-10V dimming control systems	0-10V Dimmable Driver
	Incandescent/halogen (INC/HAL)	OMNIDRIVE® Series Drivers
	Lutron® Electronics-specific dimmers and control systems	Hard-Wired Magnetic Dimmable Driver Lutron® Hi-Lume® A-Series Dimmable Driver
	Other control or home automation systems	Contact Customer Support for options
Temporary	Inline switches, dimmers and RGB/DMX controls	Plug-In LED Adapter (LED Driver)

Use the chart below to compare the entire line of our power supplies and refer to the corresponding page number for model information. For full specifications and compatibility, visit the product page at www.DiodeLED.com.

PRODUCT	INPUT VOLTAGE	OUTPUT VOLTAGE	WATTAGE	CERTIFICATIONS	ENVIRONMENT	PAGE
SWITCHEX® Driver + Dimmer Switch SWITCHEX is the only dimmer with an intrgrated LED power supply. Wall mounted and available in your choice of finish.	120VAC	12VDC	40W	UL Listed	Indoor	108
			60W	UL Listed		
		24VDC	60W	UL Listed		
			100W	UL Listed		
OMNIDRIVE® Electronic Dimmable Drivers Compatible with a wide range of dimmers and is designed to eliminate LED flicker.	120VAC	12VDC	10W	UL Listed	Indoor	110
			20W	UL Listed		
			30W	UL Listed		
			45W	UL Listed		
			60W	UL Listed		
			80W	UL Listed	Indoor/Outdoor	
			120W	UL Listed		
		24VDC	10W	UL Listed	Indoor	
			20W	UL Listed		
			30W	UL Listed		
			45W	UL Listed		
			60W	UL Listed		
			80W	UL Listed	Indoor/Outdoor	
			120W	UL Listed		

CAN BE USED TO COMPLY WITH **TITLE 24** HIGH EFFICACY LED REQUIREMENTS

Products identified can be used to comply with 2016 Title 24, Part 6 High Efficacy Luminaire requirements in California. For more information, please go to...
http://energy.Ca.Gov/title24/2016standards/

Diode LED Power Supply Product Comparison Chart

Use the chart below to compare the entire line of our power supplies and refer to the corresponding page number for model information. For full specifications and compatibility, visit the product page at www.DiodeLED.com.

PRODUCT	INPUT VOLTAGE	OUTPUT VOLTAGE	WATTAGE	CERTIFICATIONS	ENVIRONMENT	PAGE
OMNIDRIVE® 2 Electronic Dimmable Drivers With Enclosure The next generation of our best selling driver is here! This enhanced driver features even greater dimming range, industry-leading technology and comes in a UL Listed enclosure.	**120VAC**	12VDC	24W	ETL Listed	Indoor	112
			60W	ETL Listed		
			120W	ETL Listed		
			200W	ETL Listed		
		24VDC	24W	ETL Listed		
			60W	ETL Listed		
			96W	ETL Listed		
			120W	ETL Listed		
			200W	ETL Listed		
Magnetic Dimmable Drivers These dimmable drivers enable installation of low voltage LED fixtures and can be dimmed with a 120V MLV dimmer switch. Higher wattage and Multi-tap version are available for larger applications.	**120VAC**	12VDC	20W	ETL Listed	Indoor/ Outdoor	114
			40W	ETL Listed		
			60W	ETL Listed		
			100W	ETL Listed		
			120W Multi-tap	ETL Listed		
			180W Multi-tap	ETL Listed		
			200W	ETL Listed		
			300W Multi-tap	ETL Listed		
	277VAC	12VDC	20W	ETL Listed		
			60W	ETL Listed		
			100W	ETL Listed		
			200W	ETL Listed		
			300W	ETL Listed		
	120VAC		40W	ETL Listed	Indoor/ Outdoor	
			96W	ETL Listed		
			192W Multi-tap	ETL Listed		
			200W	ETL Listed		
			288W Multi-tap	ETL Listed		
			300W	ETL Listed		
	277VAC	24VDC	20W	ETL Listed		
			40W	ETL Listed		
			96W	ETL Listed		
			200W	ETL Listed		
			300W	ETL Listed		

Diode LED Power Supply Product Comparison Chart

Use the chart below to compare the entire line of our power supplies and refer to the corresponding page number for model information. For full specifications and compatibility, visit the product page at www.DiodeLED.com.

PRODUCT	INPUT VOLTAGE	OUTPUT VOLTAGE	WATTAGE	CERTIFICATIONS	ENVIRONMENT	PAGE
Lutron® Hi-lume™ Dimmable LED Drivers Provides smooth, flicker free dimming with the use of Lutron® 2-wire and 3-wire controls for 12V and 24VDC sources up to 96W.	120VAC	12VDC	40W (L3D)	UL Listed	Indoor	116
	120/240/277VAC	12VDC	40W (LTE)	UL Listed	Indoor	
	120VAC	24VDC	40W (L3D)	UL Listed	Indoor	
	120/240/277VAC	24VDC	40W (LTE)	UL Listed	Indoor	
	120/240/277VAC	24VDC	96W (L3DO)	UL Listed	Indoor	
0-10V Dimmable Driver 0-10V Drivers are essential components for retrofitting low voltage LED fixtures in 0-10V control systems.	120/240/277VAC	12VDC	40W	Component Recognized, UL Listed (optional)	Indoor/Outdoor	118
			60W	Component Recognized, UL Listed (optional)		
			60W	Component Recognized		
	120/240/277VAC	24VDC	60W	Component Recognized, UL Listed (optional)		
			90W	Component Recognized, UL Listed (optional)		
			100W	Component Recognized		
Constant Voltage Drivers Constant Voltage LED Drivers are compatible with Pulse Width Modulation (PWM) controls for RGB/DMX applications as well as inline dimming with our REIGN® switches (page 91).	120/240VAC	12VDC	12W	Component Recognized	Indoor/Outdoor	120
			20W	Component Recognized, UL Listed (optional)	Indoor/Outdoor	
			25W	Component Recognized	Indoor	
			35W	Component Recognized, UL Listed (optional)	Indoor/Outdoor	
			60W	Component Recognized, UL Listed (optional)	Indoor/Outdoor	
	120VAC		120W	Component Recognized	Indoor/Outdoor	
			150W	Component Recognized	Indoor	
	120/240VAC		200W	Component Recognized	Indoor	
			300W	Component Recognized	Indoor	
	120/240/277VAC		40W	Component Recognized, UL Listed (optional)	Indoor/Outdoor	
			60W	Component Recognized,	Indoor/Outdoor	
			60W	Component Recognized, UL Listed (optional)	Indoor/Outdoor	
	120/240VAC	24VDC	35W	Component Recognized, UL Listed (optional)	Indoor/Outdoor	122
	120VAC		150W	Component Recognized	Indoor/Outdoor	
	120/240VAC		200W	Component Recognized	Indoor	
			330W	Component Recognized	Indoor/Outdoor	
			60W	Component Recognized	Indoor/Outdoor	
	120/240/277VAC		60W	Component Recognized, UL Listed (optional)	Indoor/Outdoor	
			90W	Component Recognized, UL Listed (optional)	Indoor/Outdoor	
			96W	Component Recognized, UL Listed (optional)	Indoor/Outdoor	

Diode LED Power Supply Product Comparison Chart

Use the chart below to compare the entire line of our power supplies and refer to the corresponding page number for model information. For full specifications and compatibility, visit the product page at www.DiodeLED.com.

PRODUCT	INPUT VOLTAGE	OUTPUT VOLTAGE	WATTAGE	CERTIFICATIONS	ENVIRONMENT	PAGE
			6W	UL Listed		
			12W	UL Listed		
	120/240VAC	12VDC	24W	UL Listed		124
			36W	UL Listed		
Plug-In Adapters			60W	UL Listed	Indoor	
A portable power supply option for temporary and short-term applications. Fixtures can be dimmed with inline Pulse Width Modulation (PWM) dimmers.			12W	UL Listed		
			24W	UL Listed		
	120/240VAC	24VDC	48W	UL Listed		126
			90W	UL Listed		
			96W	UL Listed		

– END COMPARISON CHART–

SWITCHEX® Driver + Dimmer Switch

The patent pending SWITCHEX combines an LED dimmer switch and LED power supply into a single integrated unit. The SWITCHEX Dimmer + Driver accepts 120 VAC and converts it to low voltage DC, all within a standard electrical box. With power options up to 100W, it is a true revolutionary step forward for power and control of LED applications.

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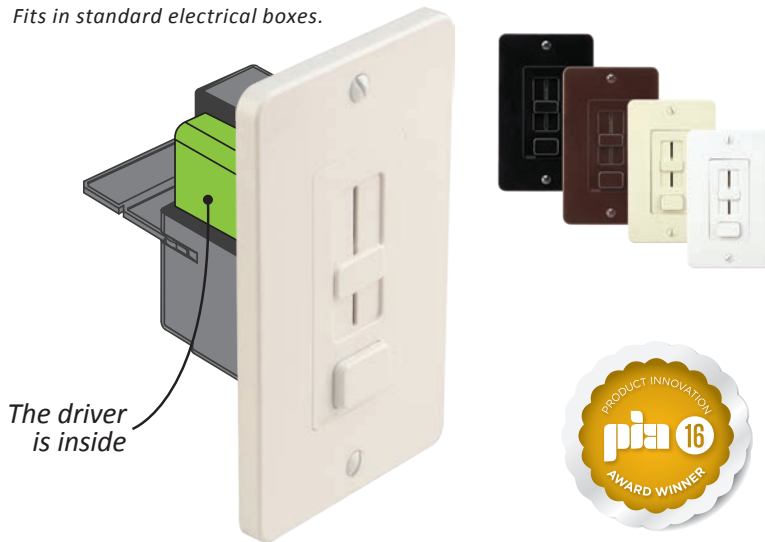
- Simplifies your LED installation
- Eliminates compatibility issues between drivers and switches
- Superior LED dimming performance (100% – 5%)
- Preset dimmer with on/off switch

Fits in standard electrical boxes.

The driver is inside

QUICK SPECS

Environment	Indoor
Input Voltage	120VAC
Output Voltage	12VDC & 24VDC models
Connection Type	Hardwire
Mounting	Single-Gang Box
Certifications	UL Listed 2108

12VDC   **24VDC**

WINNER OF THE ARCHITECTURAL SSL PRODUCT INNOVATION AWARD

SWITCHEX® Driver and Dimmer Switch Diagram

SWITCHEX
(Dimmer + Driver)

120 VAC
~ 60Hz

L (BLK)

N (WHT)

Ground (GRN)

V− (BLUE)

V+ (RED)

12 or 24 VDC

LED ARRAY / FIXTURE

SWITCHEX® Options

3 Face plates options are included with SWITCHEX. Trim plates and the black finish option are sold separately.
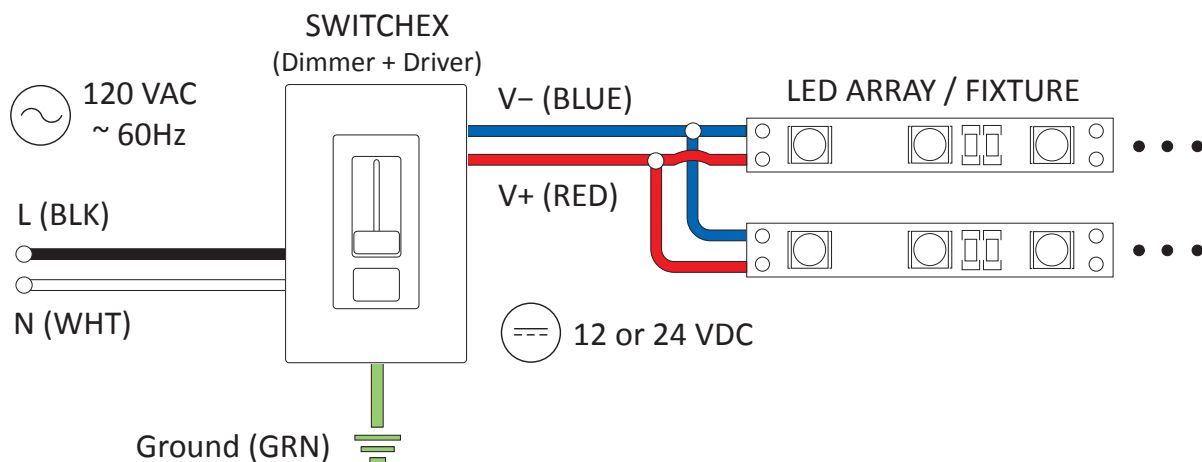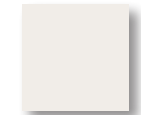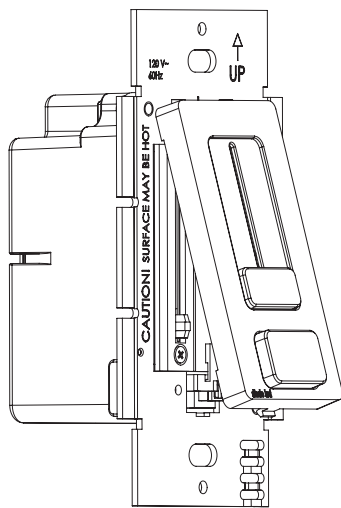
GLOSSY WHITE
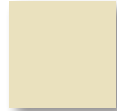
GLOSSY LIGHT ALMOND

GLOSSY DARK BROWN

SWITCHEX Driver + Dimmer Switch

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

INPUT	OUTPUT	SKU	WATTAGE
120VAC	12VDC	DI-12V-SE-40W	40W
		DI-12V-SE-60W	60W
	24VDC	DI-24V-SE-60W	60W
		DI-24V-SE-100W	100W

SWITCHEX Trim Plate

SKU	FINISH
DI-SE-TP-BR	Glossy Dark Brown
DI-SE-TP-LA	Glossy Light Almond
DI-SE-TP-WH	Glossy White
DI-SE-FP-BL	Glossy Black (face plate & trim plate sold together)

OMNIDRIVE® Electronic Dimmable Drivers

OMNIDRIVE Electronic Dimmable Drivers are our best-selling dimmable power supplies. They offer superior dimming performance for the widest range of dimming switches. The built-in electronic filter eliminates flicker and provides the smoothest dimming from 100% down to 10%. They offer superior dimming performance when paired with: TRIAC dimmer controls, magnetic low voltage (MLV), electronic low voltage (ELV) and incandescent/halogen dimmer switches, as well as 3/4/5-way and on/off switching.

COMPATIBILITY NOTE

This driver is NOT COMPATIBLE with Pulse Width Modulation (PWM) dimmers such as our REIGN® Wall Mount LED Dimmer Switches or Inline LED Dimmer Switches. Visit www.DiodeLED.com for a full compatibility guide.

LOOKING FOR DRIVER ACCESSORIES?
Use the guide below to find your choice of accessories like junction boxes and wire.

DRIVER BOXES – Page 97
WIRE & CONNECTORS – Page 94

FEATURES & BENEFITS

• 12V and 24V models
• Smooth, flicker-free dimming
• Indoor and outdoor models
• Versatile dimmer compatibility

QUICK SPECS

Environment	Indoor & outdoor models
Input Voltage	120VAC
Output Voltage	12VDC & 24VDC models
Connection Type	Hardwire
Dimming	Forward Phase & Reverse Phase Dimming
Certification	UL Listed

OMNIDRIVE® Electronic Dimmable Driver Diagram
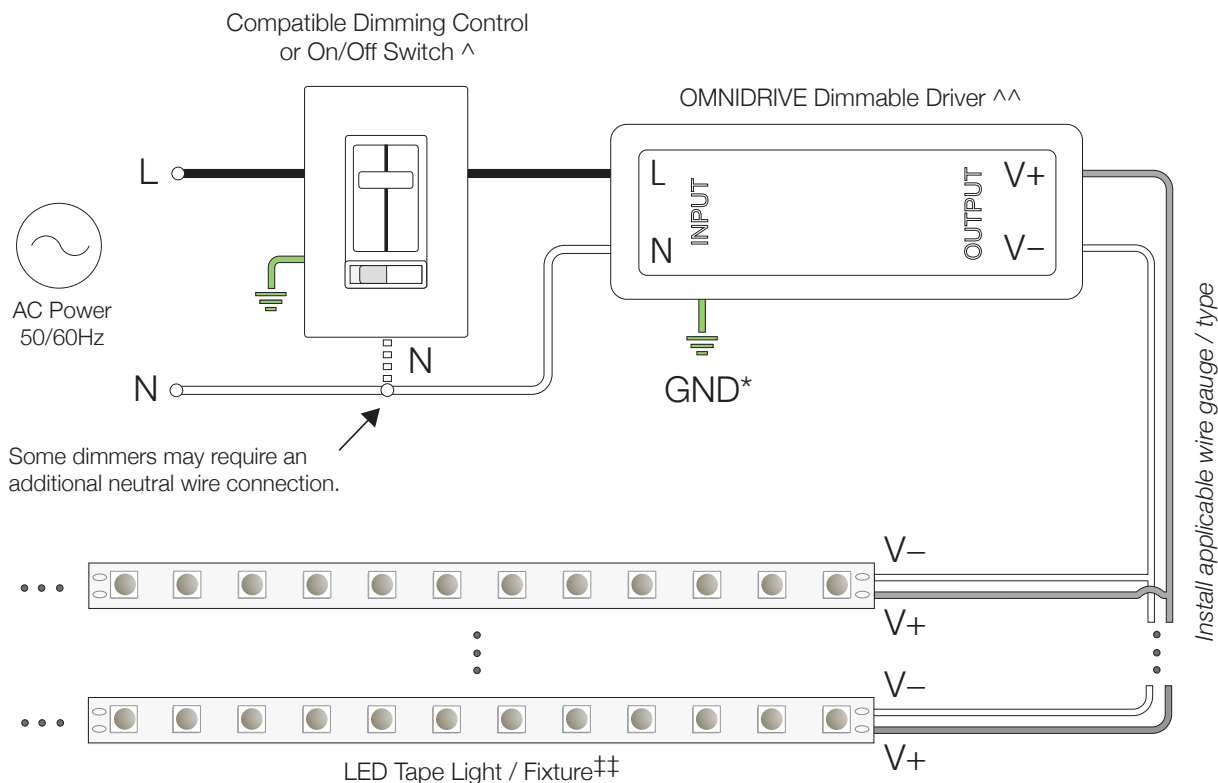
Compatible Dimming Control or On/Off Switch ^

OMNIDRIVE Dimmable Driver ^^

L

AC Power 50/60Hz

N

Some dimmers may require an additional neutral wire connection.

GND*

Install applicable wire gauge / type

V−
V+
V−
V+

LED Tape Light / Fixture‡‡

See page 128 for technical notes applicable to all system diagrams. Diagrams are subject to change.

OMNIDRIVE® Driver Model Options

LO-PRO® JUNCTION BOX & DRIVER COMBO

Place your order using the UL DRIVER OPTION in the table below for a fully certified (UL 1598) power supply with Junction box. See page **102** for details.

LO-PRO COMBO NOTE: Junction box will change the dimensions and certification on the driver. See specification sheet for updated specifications.

5.5 x 1.8 x 1.1 in.

7 x 2.3 x 1.4 in.
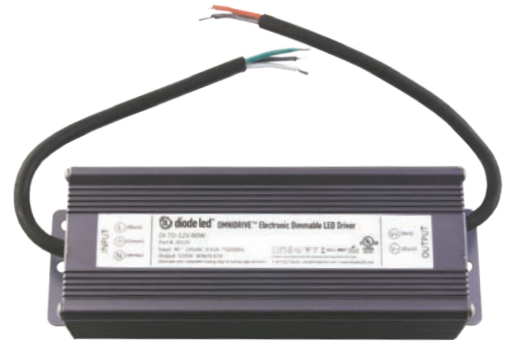
7.9 x 2.7 x 1.8 in.

12V OMNIDRIVE

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

OUTPUT	SKU (DRIVER ONLY)	UL DRIVER OPTION (DRIVER/J-BOX COMBO)	WATTAGE	ENVIRONMENT	DIMENSIONS
12VDC	DI-TD-12V-10W	DI-TD-12V-10W-LPS	10W	Indoor	5.5 x 1.8 x 1.1 in.
	DI-TD-12V-20W	DI-TD-12V-20W-LPS	20W	Indoor	5.5 x 1.8 x 1.1 in.
	DI-TD-12V-30W	DI-TD-12V-30W-LPS	30W	Indoor	7 x 2.3 x 1.4 in.
	DI-TD-12V-45W	DI-TD-12V-45W-LPL	45W	Indoor	7 x 2.3 x 1.4 in.
	DI-TD-12V-60W	DI-TD-12V-60W-LPL	60W	Outdoor/Indoor	7.9 x 2.7 x 1.8 in.
	DI-TD-12V-80W	N/A	80W	Outdoor/Indoor	7.9 x 2.7 x 1.8 in.
	DI-TD-12V-120W	N/A	120W	Outdoor/Indoor	7.9 x 2.7 x 1.8 in.

24V OMNIDRIVE

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

OUTPUT	SKU (DRIVER ONLY)	UL DRIVER OPTION (DRIVER/J-BOX COMBO)	WATTAGE	ENVIRONMENT	DIMENSIONS
24VDC	DI-TD-24V-10W	DI-TD-24V-10W-LPS	10W	Indoor	5.5 x 1.8 x 1.1 in.
	DI-TD-24V-20W	DI-TD-24V-20W-LPS	20W	Indoor	5.5 x 1.8 x 1.1 in.
	DI-TD-24V-30W	DI-TD-24V-30W-LPS	30W	Indoor	7 x 2.3 x 1.4 in.
	DI-TD-24V-45W	DI-TD-24V-45W-LPL	45W	Indoor	7 x 2.3 x 1.4 in.
	DI-TD-24V-60W	DI-TD-24V-60W-LPL	60W	Outdoor/Indoor	7.9 x 2.7 x 1.8 in.
	DI-TD-24V-80W	DI-TD-24V-80W-LPL	80W	Outdoor/Indoor	7.9 x 2.7 x 1.8 in.
	DI-TD-24V-120W	N/A	120W	Outdoor/Indoor	7.9 x 2.7 x 1.8 in.

OMNIDRIVE® 2 Electronic Dimmable Drivers

OMNIDRIVE 2 Electronic Dimmable Driver is the next generation of our best selling OMNIDRIVE. This newly enhanced driver features a 0% minimum wattage load and provides a greater dimming range. Just like the previous version, it offers superior dimming performance when paired with: TRIAC dimmer controls, magnetic low voltage (MLV), electronic low voltage (ELV) and incandescent/halogen dimmer switches, as well as 3/4/5-way and on/off switching.

FEATURES & BENEFITS

- No minimum or maximum load
- Superior dimming range
- ETL Listed enclosure
- Comprehensive dimming capacity

QUICK SPECS

Environment	Indoor
Input Voltage	120VAC
Output Voltage	12VDC & 24VDC models
Connection Type	Hardwire
Dimming	Forward Phase & Reverse Phase Dimming
Certification	ETL Listed

COMPATIBILITY NOTE

This driver is NOT COMPATIBLE with Pulse Width Modulation (PWM) dimmers such as our REIGN® Wall Mount LED Dimmer Switches or Inline LED Dimmer Switches. Visit www.DiodeLED.com for a full compatibility guide.

LOOKING FOR DRIVER ACCESSORIES?
Use the guide below to find your choice of accessories like junction boxes and wire.

WIRE & CONNECTORS – Page 94

OMNIDRIVE® 2 Electronic Dimmable Driver Diagram

Compatible Dimming Control or On/Off Switch ^

OMNIDRIVE Dimmable Driver ^^

L

AC Power 50/60Hz

N

INPUT: L, N

OUTPUT: V+, V–

GND*

Some dimmers may require an additional neutral wire connection.

Install applicable wire gauge / type

V–
V+

V–
V+

LED Tape Light / Fixture‡‡
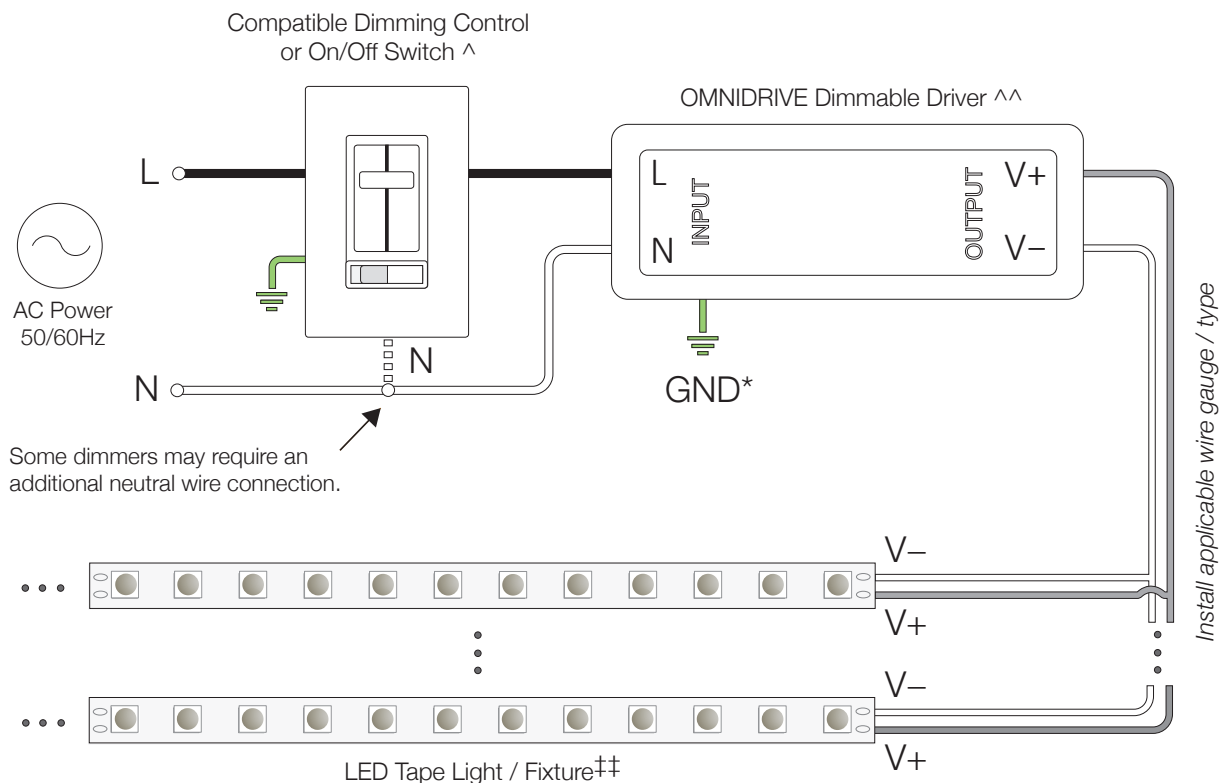
See page 128 for technical notes applicable to all system diagrams. Diagrams are subject to change.

OMNIDRIVE® 2 Driver Model Options

13.75 x 3 x 1.6 in.   15 x 3.1 x 2.4 in.   16.1 x 3.4 x 2.4 in.

12V OMNIDRIVE 2

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
12VDC	DI-OD2-12V24W	24W	Yes	Indoor	13.75 x 3 x 1.6 in.
	DI-OD2-12V60W	60W	Yes	Indoor	13.75 x 3 x 1.6 in.
	DI-OD2-12V120W	120W	-	Indoor	15 x 3.10 x 2.4 in.
	DI-OD2-12V200W	200W	-	Indoor	16.1 x 3.4 x 2.4 in.

24V OMNIDRIVE 2

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
24VDC	DI-OD2-24V24W	24W	Yes	Indoor	13.75 x 3 x 1.6 in.
	DI-OD2-24V60W	60W	Yes	Indoor	13.75 x 3 x 1.6 in.
	DI-OD2-24V96W	96W	Yes	Indoor	15 x 3.1 x 2.4 in.
	DI-OD2-24V120W	120W	-	Indoor	15 x 3.1 x 2.4 in.
	DI-OD2-24V200W	200W	-	Indoor	16.1 x 3.4 x 2.4 in.

DID YOU KNOW?

OMNIDRIVE 2

You can max out your wattage to full capacity! In addition, OMNIDRIVE 2 provides a zero minimum load for both dimming and on/off applications. Expect flawless performance for any project size.

Magnetic Dimmable Drivers

Magnetic Dimmable Drivers are the compatible power source for applications using MLV (Magnetic Low Voltage) dimmer switches to control 12V and 24V LED lights. Please see the product page to view a complete list of compatible MLV dimming systems.

The Magnetic Multi-tap Dimmable Drivers are ideal for larger installations that is required to meet Class 2 electrical limitations. These Multi-tap Drivers split the given maximum wattage and is divided up within Class 2 limits through individual breakers, which can be loaded 100% to full Class 2 capacity.

COMPATIBILITY NOTE

This driver is NOT COMPATIBLE with Pulse Width Modulation (PWM) dimmers such as our REIGN® Wall Mount LED Dimmer Switches or Inline LED Dimmer Switches. Visit www.DiodeLED.com for a full compatibility guide.

FEATURES & BENEFITS

• Class 2 models
• NEMA 3R rated enclosure
• Suitable for dry and wet environments
• Built-in junction box

QUICK SPECS

Environment	Indoor/Outdoor
Input Voltage	120VAC & 277VAC options
Output Voltage	12VDC & 24VDC models
Connection Type	Hardwire
Dimming	Forward Phase Dimming
Certification	ETL Listed

Magnetic Dimmable Driver Diagram
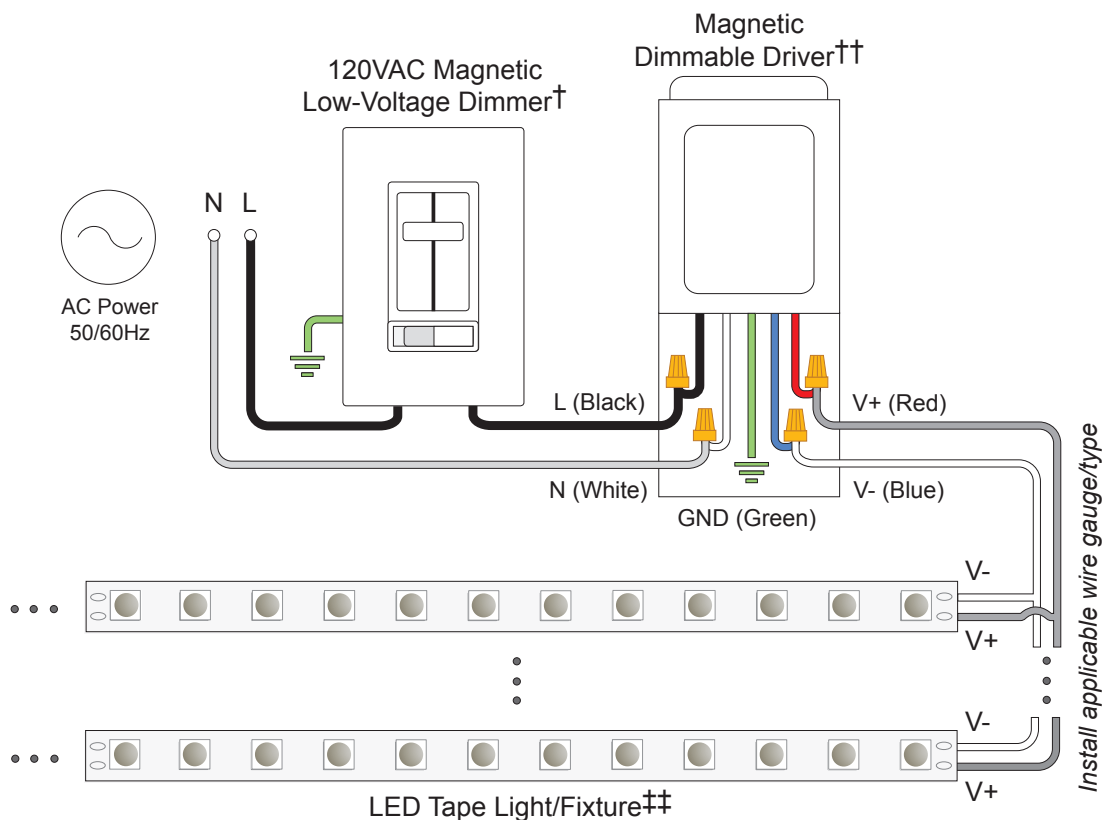
See page 128 for technical notes applicable to all system diagrams. Diagrams are subject to change.

Magnetic Dimmable Driver Model Options

| 2.2 x 2.2 x 5.6 in. | 5.6 x 2.25 x 2.2 in. | 6.6 x 2.6 x 2.3 in. | 9.8 x 3 x 3 in. | 9.8 x 4.2 x 3.5 in. |

12V Magnetic Dimmable Driver

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

INPUT VOLTAGE	OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
120VAC	**12VDC**	DI-0920	20W	Yes	Outdoor/Indoor	2.2 x 2.2 x 5.6 in.
		DI-DM-12V40W	40W	Yes	Outdoor/Indoor	5.6 x 2.25 x 2.2 in.
		DI-0922	60W	Yes	Outdoor/Indoor	6.6 x 2.6 x 2.3 in.
		DI-0925	100W	-	Outdoor/Indoor	9.8 x 3 x 3 in.
		DI-DM-12V120W-MT	Multi-tap 120W (2x 60W)	Yes	Outdoor/Indoor	9.8 x 3 x 3 in.
		DI-DM-12V180W-MT	Multi-tap 180W (3x 60W)	Yes	Outdoor/Indoor	9.8 x 3 x 3 in.
		DI-0923	200W	-	Outdoor/Indoor	9.8 x 3 x 3 in.
		DI-DM-12V300W-MT	Multi-tap 300W (5x 60W)	Yes	Outdoor/Indoor	9.8 x 4.2 x 3.5 in.
277VAC	**12VDC**	DI-DM-12V20W-277	20W	Yes	Outdoor/Indoor	5.6 x 2.25 x 2.2 in.
		DI-DM-12V60W-277	60W	Yes	Outdoor/Indoor	6.6 x 2.6 x 2.3 in.
		DI-DM-12V100W-277	100W	-	Outdoor/Indoor	9.8 x 3 x 3 in.
		DI-DM-12V200W-277	200W	-	Outdoor/Indoor	9.8 x 4.2 x 3.5 in.
		DI-DM-12V300W-277	300W	-	Outdoor/Indoor	9.8 x 4.2 x 3.5 in.

24V Magnetic Dimmable Driver

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

INPUT VOLTAGE	OUTPUT	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS
120VAC	**24VDC**	DI-DM-24V40W	40W	Yes	Outdoor/Indoor	5.6 x 2.2 x 2.2 in.
		DI-0956	96W	Yes	Outdoor/Indoor	5.6 x 2.2 x 2.2 in.
		DI-DM-24V192W-MT	Multi-tap 192W (2x 96W)	Yes	Outdoor/Indoor	9.8 x 4.2 x 3.2 in.
		DI-DM-24V200W	200W	-	Outdoor/Indoor	9.8 x 3.1 x 3 in.
		DI-DM-24V288W-MT	Multi-tap 288W (3x 96W)	Yes	Outdoor/Indoor	9.8 x 4.2 x 3.2 in.
		DI-DM-24V300W	300W	-	Outdoor/Indoor	9.8 x 4.2 x 3.5 in.
277VAC	**24VDC**	DI-DM-24V20W-277	20W	Yes	Outdoor/Indoor	5.6 x 2.2 x 2.2 in.
		DI-DM-24V40W-277	40W	Yes	Outdoor/Indoor	5.6 x 2.2 x 2.2 in.
		DI-DM-24V96W-277	96W	Yes	Outdoor/Indoor	9.8 x 3.1 x 3 in.
		DI-DM-24V200W-277	200W	-	Outdoor/Indoor	9.8 x 4.2 x 3.5 in.
		DI-DM-24V300W-277	300W	-	Outdoor/Indoor	9.8 x 4.2 x 3.5 in.

Lutron® Hi-lume™ Series LED Drivers

The Lutron® Hi-lume™ Series LED Drivers are high performance LED power supplies for commercial or residential applications. This driver series provides smooth, continuous, flicker free dimming for 12V and 24VDC lighting systems. The Lutron LED Driver ensures a safe and reliable installation, thanks to its own specialized wiring and mounting enclosure. It is specifically engineered to work with a full range of Lutron® controls.

FEATURES & BENEFITS
- Down to 0.1% dimming
- Commercial and residential applications
- 120V/240/277VAC Ccompatible
- UL Listed 8750

COMPATIBILITY NOTE

These drivers are NOT COMPATIBLE with Pulse Width Modulation (PWM) dimmers such as our REIGN® Wall Mount LED Dimmer Switches or Inline LED Dimmer Switches. Visit www.DiodeLED.com for a full compatibility guide.

Hi-lume 1% 2-wire LTE LED driver

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

INPUT	OUTPUT	WATTAGE	SKU	DIMENSIONS
120VAC	12VDC	40W	DI-DM-12V40W-LTE	4.89 x 4 x 2.62 in.
	24VDC	40W	DI-DM-24V40W-LTE	4.89 x 4 x 2.62 in.

- High performance in residential applications
- 120VAC residential level input

Hi-lume 1% 3-wire L3D LED drive

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

INPUT	OUTPUT	WATTAGE	SKU	DIMENSIONS
120/ 240/ 277VAC	12VDC	40W	DI-DM-12V40W-L3D	4.89 x 4 x 2.62 in.
	24VDC	40W	DI-DM-24V40W-L3D	4.89 x 4 x 2.62 in.

- High performance in commercial applications
- 277VAC commercial level input

Hi-lume 0.1% L3DO LED driver

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

INPUT	OUTPUT	WATTAGE	SKU	DIMENSIONS
120/ 240/ 277VAC	24VDC	96W	DI-DM-24V96W-L3D	10.5 x 5.5 x 2.0 in.

- High performance in cove and task lighting applications
- Greatest available dimming performance (100%-0.1%)
- 277VAC commercial level input

LUTRON® Hi-lume™ 1% 2-wire LTE LED Driver Diagram

Lutron® 2-Wire Forward Phase
Dimmer Switch or Dimming Module/Panel
(w/ Neutral)

Lutron® Hi-lume® A-Series
Driver (LTE Model)

AC Power
50/60Hz

N L

GND

N

Dimmed Hot (Black)

N (White)

GND

V+ (Red)

V- (Black/White)

V-

V+

V-

V+

LED Tape Light/Fixture‡‡

Install applicable wire gauge/type
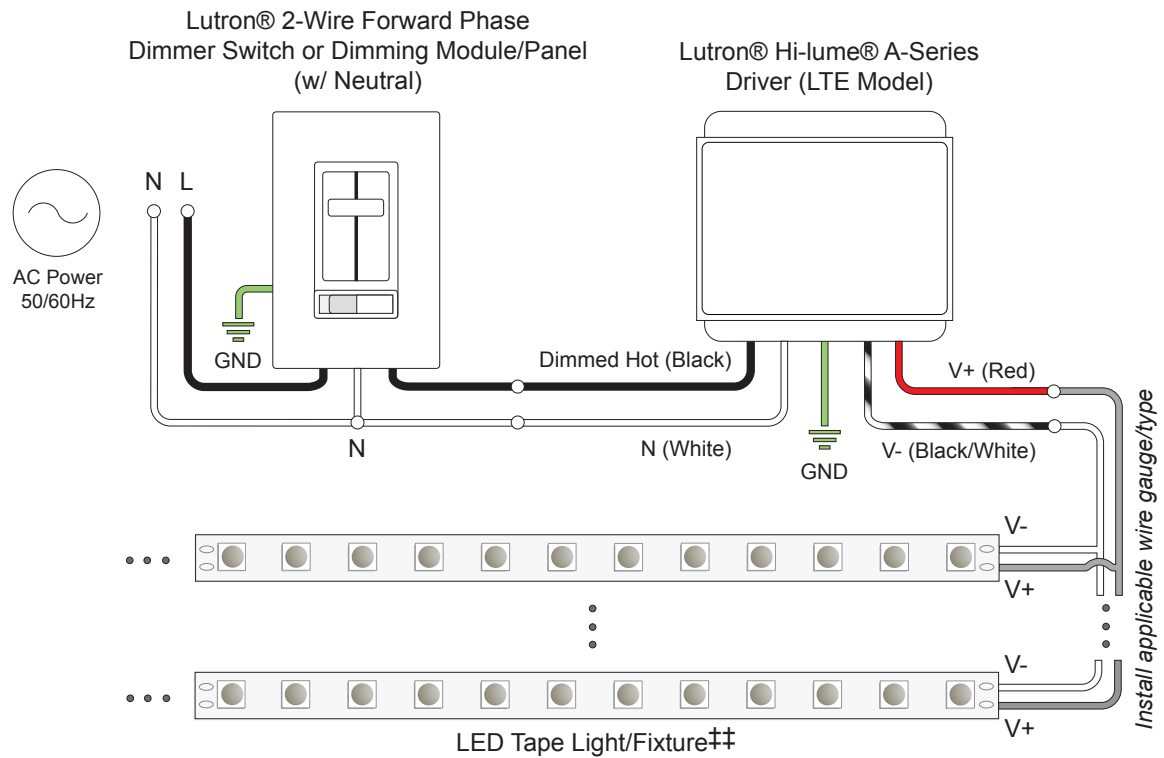
LUTRON® Hi-lume® L3D & L3D0 Driver Diagram
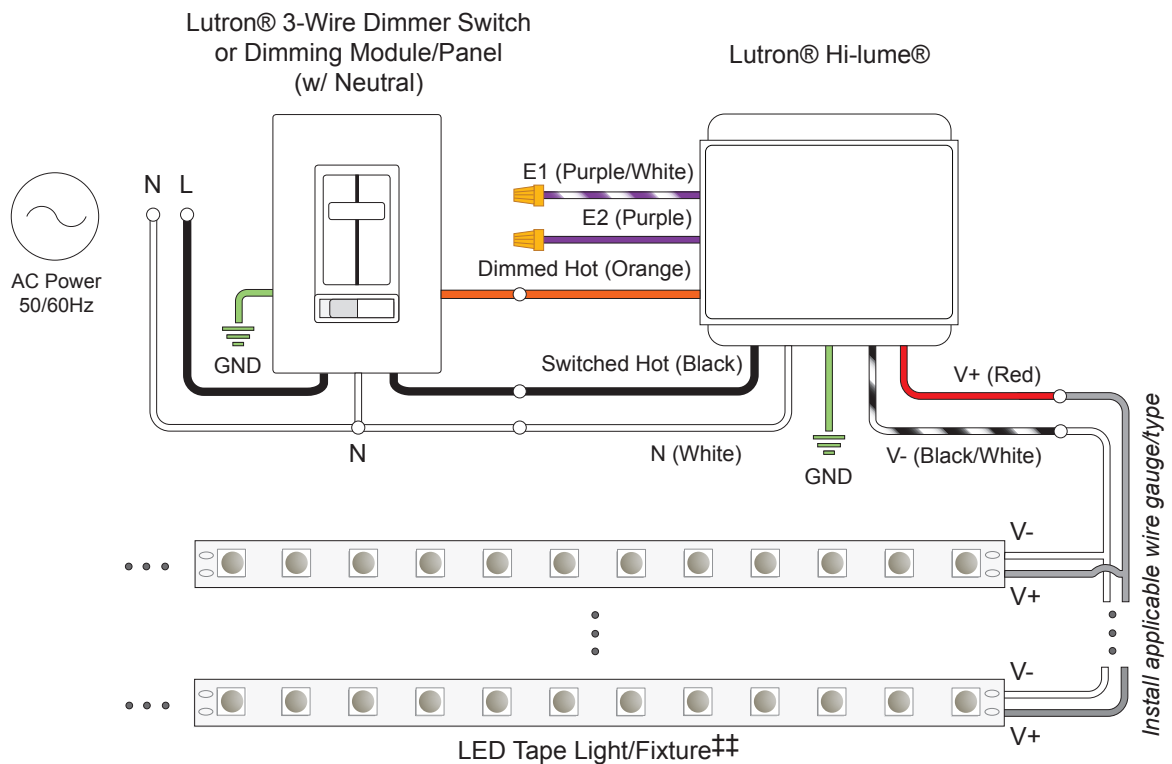
Lutron® 3-Wire Dimmer Switch
or Dimming Module/Panel
(w/ Neutral)

Lutron® Hi-lume®

AC Power
50/60Hz

N L

GND

N

E1 (Purple/White)

E2 (Purple)

Dimmed Hot (Orange)

Switched Hot (Black)

N (White)

GND

V+ (Red)

V- (Black/White)

V-

V+

V-

V+

LED Tape Light/Fixture‡‡

Install applicable wire gauge/type

See page 128 for technical notes applicable to all system diagrams. Diagrams are subject to change.

0-10V Dimmable LED Drivers

Ideal for commercial applications, 0-10V Dimmable LED Drivers are essential components when retro-fitting to low voltage LED fixtures in 0-10V control systems. Ideal for most installations, these drivers are rated for wet and dry locations and allows for superior dimming performance with its continuous 100-1% range. Visit the product page on the website for a full list of compatible systems.

FEATURES & BENEFITS
- Flicker-free dimming
- Commercial retrofit applications
- 12V and 24V models
- Class 2 compliant

QUICK SPECS

Environment	Indoor/Outdoor
Input Voltage	120/240/277VAC
Output Voltage	12VDC & 24VDC models
Connection Type	Hardwire
Dimming	0-10V dimming systems
Certification	Component Recognized

COMPATIBILITY NOTE

This driver is NOT COMPATIBLE with Pulse Width Modulation (PWM) dimmers such as our REIGN® Wall Mount LED Dimmer Switches or Inline LED Dimmer Switches. Visit www.DiodeLED.com for a full compatibility guide.

LOOKING FOR DRIVER ACCESSORIES?
Use the guide below to find your choice of accessories like junction boxes and wire.

DRIVER BOXES – Page 97
WIRE & CONNECTORS – Page 94

12VDC   **24VDC**

0-10V Dimmable Driver System Diagram (No Relay Module)
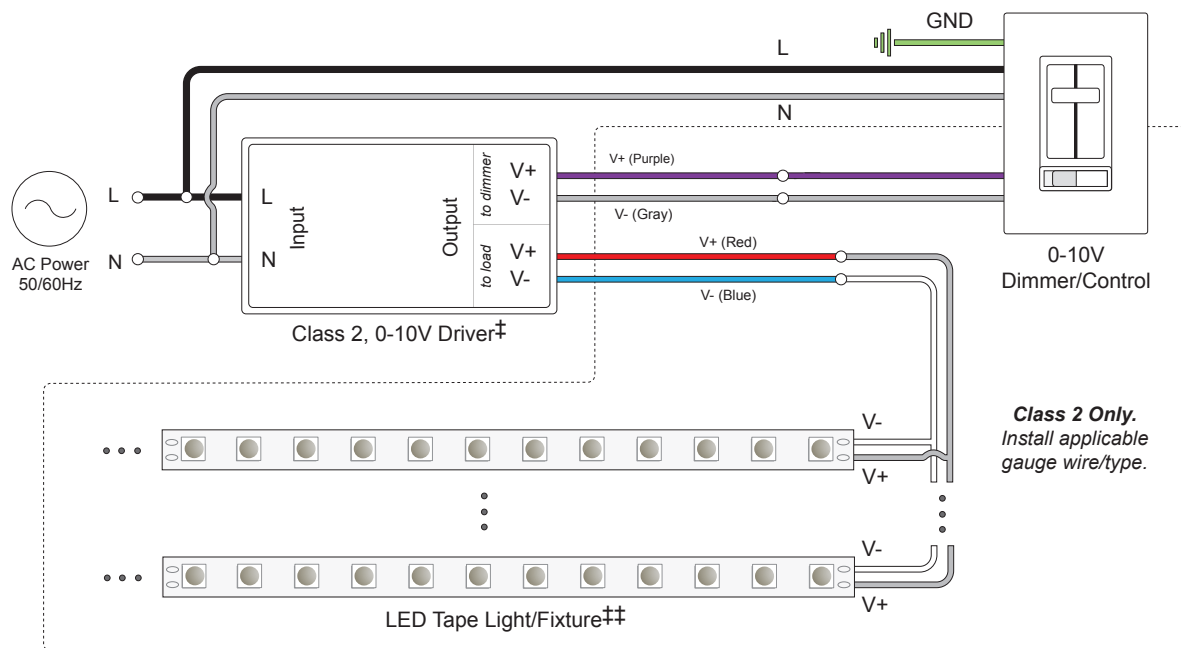
AC Power 50/60Hz

Class 2, 0-10V Driver‡

LED Tape Light/Fixture‡‡

0-10V Dimmer/Control

Class 2 Only. Install applicable gauge wire/type.

See page 128 for technical notes applicable to all system diagrams. Diagrams are subject to change.

0–10V Dimmable LED Driver Model Options

LO-PRO® JUNCTION BOX & DRIVER COMBO

Place your order using the UL DRIVER OPTION in the table below for a fully certified (UL 1598) power supply with Junction box. See page **102** for details.

LO-PRO COMBO NOTE: Junction box will change the dimensions and certification on the driver. See specification sheet for updated specifications.

5.9 x 2.1 x 1.4 in.   6.74 x 2.48 x 1.48 in.   9.5 x 1.7 x 1.14 in.   9.5 x 2.4 x 1.46 in.

0–10V Commercial Grade Dimmable Drivers

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

INPUT	OUTPUT	SKU (DRIVER ONLY)	UL DRIVER OPTION (DRIVER/J-BOX COMBO)	WATTAGE	CLASS 2	DIMENSIONS
120/ 240/ 277VAC	**12VDC**	DI-DM-MW12V40W-0-10V	DI-DM-MW12V40W-0-10V-LPS	40W	Yes	5.9 x 2.1 x 1.4 in.
		DI-DM-MW12V60W-0-10V	DI-DM-MW12V60W-0-10V-LPS	60W	Yes	5.9 x 2.1 x 1.4 in.
		DI-DM-12V60W-0-10V	N/A	60W	Yes	9.5 x 1.7 x 1.14 in.
	24VDC	DI-DM-MW24V60W-0-10V	DI-DM-MW24V60W-0-10V-LPS	60W	Yes	5.9 x 2.1 x 1.4 in.
		DI-DM-MW24V90W-0-10V	DI-DM-MW24V90W-0-10V-LPL	90W	Yes	6.74 x 2.48 x 1.48 in.
		DI-DM-24V100W-0-10V	N/A	100W	Yes	9.5 x 2.4 x 1.46 in.

0–10V Dimmable Driver System Diagram (With Relay Module)

On/Off Relay Module

Black (L)   Black
Red
White (N)
Red   V+
               V−

AC Power 50/60Hz
L
N

L   Input   Output   to dimmer   V+
N   V−
GND   to load   V+
                                   V−
Class 2, 0-10V Driver‡

V+ (Red)
V− (Blue)
V+ (Purple)
V− (Gray)   V+ (Red)
V− (Blue)

0-10V Dimmer/Control

Class 2 Only. Install applicable gauge wire/type.

V−
V+
V−
V+

LED Tape Light/Fixture‡‡

See page 128 for technical notes applicable to all system diagrams. Diagrams are subject to change.

12V Constant Voltage LED Drivers

Constant Voltage LED Drivers are a great choice when pairing with 120/240/277VAC on/off switches, low voltage REIGN® Dimmers, PWM dimmers and RGB/DMX controls. These hard-wired drivers are available in various dimensions and voltage/wattage combinations for your LED application.

LOOKING FOR COMPATIBLE DIMMERS AND CONTROL SYSTEMS?
Use the guide below to find your choice of dimmers, switches, RGB controllers, DMX controllers, junction boxes and wire.

SWITCHES & DIMMERS – Pages 91-92
COLOR CONTROLLERS – Page 59
WIRE & BOXES – Page 97

FEATURES & BENEFITS
- Hardwired connections
- Indoor and outdoor models
- Dimmable with PWM dimmers on select models
- Commercial and residential applications

QUICK SPECS

Environment	Indoor & outdoor options
Input Voltage	120/240/277VAC
Output Voltage	12VDC
Connection Type	Hardwire
Dimming	See specifications
Certification	Component Recognized

12VDC

Basic Hard-Wired On/Off Diagram

AC Power 50/60Hz

L
N

120VAC On/Off Switch

L
N
G*
Input

Output
V+
V-

Class 2 Low-Voltage Driver**
Installed in Junction Box‡

Install applicable wire gauge/type

V-
V+

V-
V+

LED Tape Light/Fixture‡‡

See page 128 for technical notes applicable to all system diagrams. Diagrams are subject to change.

12V Constant Voltage LED Driver Model Options

LO-PRO® JUNCTION BOX & DRIVER COMBO

Place your order using the UL DRIVER OPTION in the table below for a fully certified (UL 1598) power supply with Junction box. See page **102** for details.

LO-PRO COMBO NOTE: Junction box will change the dimensions and certification on the driver. See specification sheet for updated specifications.
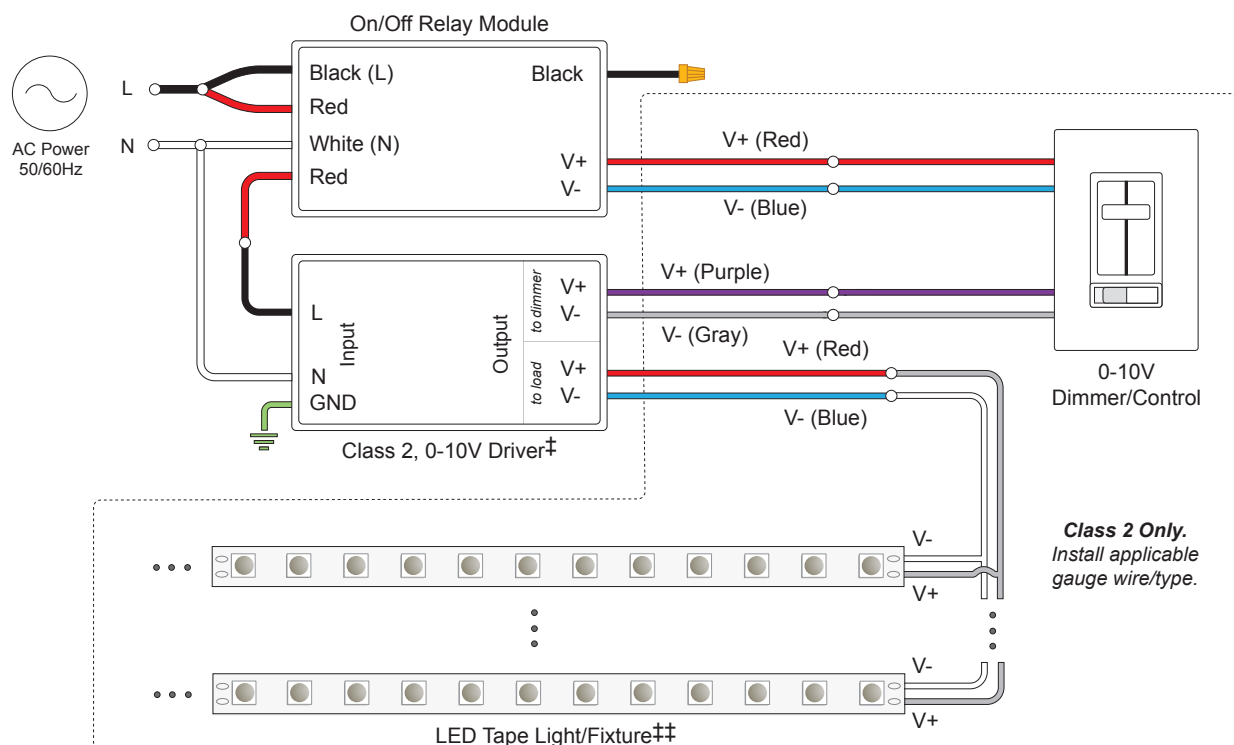
12VDC Constant Voltage Drivers

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

PRODUCT IMAGE	INPUT	SKU (DRIVER ONLY)	UL DRIVER OPTION (DRIVER/J-BOX COMBO)	WATTAGE	COMPATIBLE DIMMERS & CONTROL SYSTEMS	ENVIRONMENT	DIMENSIONS
	120/240VAC	DI-0941	N/A	12W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Indoor	3 x 1.57 x 1.25 in.
	120/240VAC	DI-0904	DI-0904-LPS	20W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	4.65 x 1.38 x 1.02 in.
	120/240VAC	DI-0939	N/A	25W	On/Off Switches	Indoor	3. x 2.01 x 1.1 in.
	120/240VAC	DI-0918	DI-0918-LPS	35W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	5.83 x 1.57 x 1.18 in.
	120/240VAC	DI-0906	DI-0906-LPS	60W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	6.4 x 1.67 x 1.26 in.
	120VAC	DI-CV-12V120W	N/A	120W	On/Off Switches	Outdoor/Indoor	7.5 x 2.5 x 1.5 in.
	120/240VAC	DI-0908	N/A	150W	On/Off Switches	Indoor	7.83 x 3.90 x 2.00 in.
	120/240VAC	DI-0909	N/A	200W	On/Off Switches	Indoor	7.83 x 3.90 x 2.00 in.
	120/240VAC	DI-0928	N/A	300W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Indoor	8.5 x 4.13 x 1.61 in.
	120/ 240/ 277VAC	DI-CV-MW12V 40W-277	DI-CV-MW12V 40W-277-LPS	40W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	5.9 x 2.1 x 1.5 in.
	120/ 240/ 277VAC	DI-DV-24V60W-277	N/A	60W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	9.5 x 1.7 x 1.14 in.
	120/ 240/ 277VAC	DI-CV-MW12V 60W-277	DI-CV-MW12V 60W-277-LPS	60W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	5.9 x 2.1 x 1.4 in.

Mounting Brackets

SKU	DESCRIPTION
DI-1733	Set of four brackets with hardware.

COMPATIBLE ONLY WITH THESE DRIVERS:

DI-0908	DI-0909	DI-0928
150W	200W	300W

24V Constant Voltage LED Drivers

Constant Voltage LED Drivers are a great choice when pairing with 120/240/277VAC on/off switches, low voltage REIGN® Dimmers, PWM dimmers and RGB/DMX controls. These hard-wired drivers are available in various dimensions and voltage/wattage combinations for your LED application.
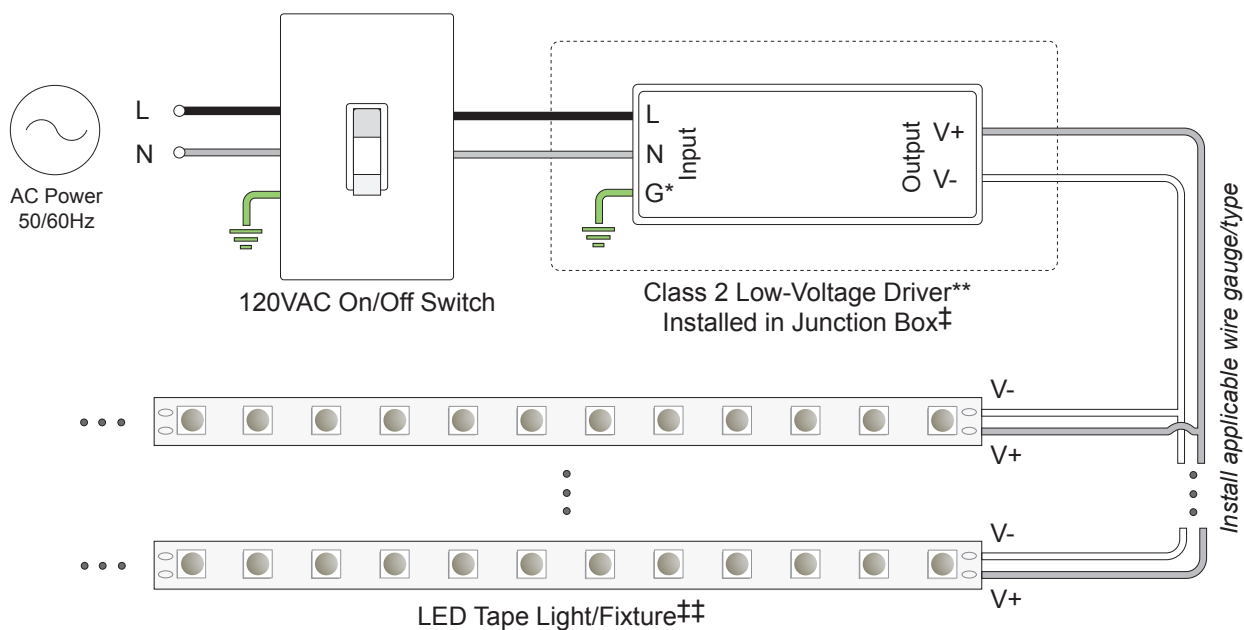
FEATURES & BENEFITS

- Hardwired connections
- Indoor and outdoor models
- Dimmable with PWM dimmers on select models
- Commercial and residential applications

QUICK SPECS

Environment	Indoor & outdoor options
Input Voltage	120/240/277VAC
Output Voltage	24VDC
Connection Type	Hardwire
Dimming	See specifications
Certification	Component Recognized

LOOKING FOR COMPATIBLE DIMMERS AND CONTROL SYSTEMS?
Use the guide below to find your choice of dimmers, switches, RGB controllers, DMX controllers, junction boxes and wire.

24VDC

Basic Hard-Wired On/Off Diagram

AC Power
50/60Hz

120VAC On/Off Switch

Class 2 Low-Voltage Driver**
Installed in Junction Box‡

Install applicable wire gauge/type

LED Tape Light/Fixture‡‡

24V Constant Voltage LED Driver Model Options

LO-PRO® JUNCTION BOX & DRIVER COMBO

Place your order using the UL DRIVER OPTION in the table below for a fully certified (UL 1598) power supply with Junction box. See page **102** for details.

LO-PRO COMBO NOTE: Junction box will change the dimensions and certification on the driver. See specification sheet for updated specifications.

24VDC Constant Voltage Drivers

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

PRODUCT IMAGE	INPUT	SKU (DRIVER ONLY)	UL DRIVER OPTION (DRIVER/J-BOX COMBO)	WATTAGE	COMPATIBLE DIMMERS & CONTROL SYSTEMS	ENVIRONMENT	DIMENSIONS
	120/240VAC	DI-0970	DI-0970-LPS	35W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	5.83 x 1.57 x 1.18 in.
	120VAC	DI-CV-24V150W	N/A	150W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	7.5 x 2.5 x 1.5 in.
	120/240VAC	DI-0957	N/A	200W	On/Off Switches	Indoor	9.77 x 4.14 x 2.50 in.
	120VAC	DI-CV-24V330W	N/A	330W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	7.83 x 3.90 x 2 in.
	120/ 240/ 277VAC	DI-DV-24V60W-277	N/A	60W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	9.5 x 1.7 x 1.14 in.
	120/ 240/ 277VAC	DI-CV-MW24V 60W-277	DI-CV-MW24V 60W-277-LPS	60W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	5.9 x 2.1 x 1 .4 in.
	120/ 240/ 277VAC	DI-CV-MW24V 90W-277	DI-CV-MW24V 90W-277-LPL	90W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	6.75 x 2.5 x 1.5 in.
	120/ 240/ 277VAC	DI-0954	DI-0954-LPS	96W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Outdoor/Indoor	7.87 x 2.78 x 1.38 in.

Mounting Brackets

SKU	DESCRIPTION
DI-1733	Set of four brackets with hardware.

COMPATIBLE ONLY WITH THESE DRIVERS:

DI-0957
150W

DI-CV-24V330W
330W

12V DC Plug–In Adapters

12V DC Plug-in Adapters convert AC voltage to low voltage of LED light fixtures. An adapter is the right choice if you are installing just a few light fixtures or want to avoid making a permanent installation with a bigger, hard-wired power driver.

LOOKING FOR COMPATIBLE DIMMERS AND CONTROL SYSTEMS?
Use the guide below to find your choice of dimmers, switches, RGB controllers, DMX controllers, junction boxes and wire.

SWITCHES & DIMMERS – Pages 92
COLOR CONTROLLERS – Page 59
WIRE & CONNECTORS – Page 93

FEATURES & BENEFITS
• Compatible with PWM Dimmers, DMX Systems and RGB Controllers
• Black or White finish
• UL Listed

QUICK SPECS

Environment	Indoor
Input Voltage	120VAC
Output Voltage	12VDC
Connection Type	Plug-in / DC barrel plug
Dimming	Inline PWM dimmer
Certification	UL Listed

Plug–In Adapter With DC Accessory Diagram

AC Power 50/60Hz

Insertion points for DC Accessories

Class 2 Low Voltage Plug-In Adapter (Driver)

Inline Accessory§
(Extensions, splitters, controls, etc.)

LED Tape Light/Fixture‡‡

Strip Light DC Plug Connector§§
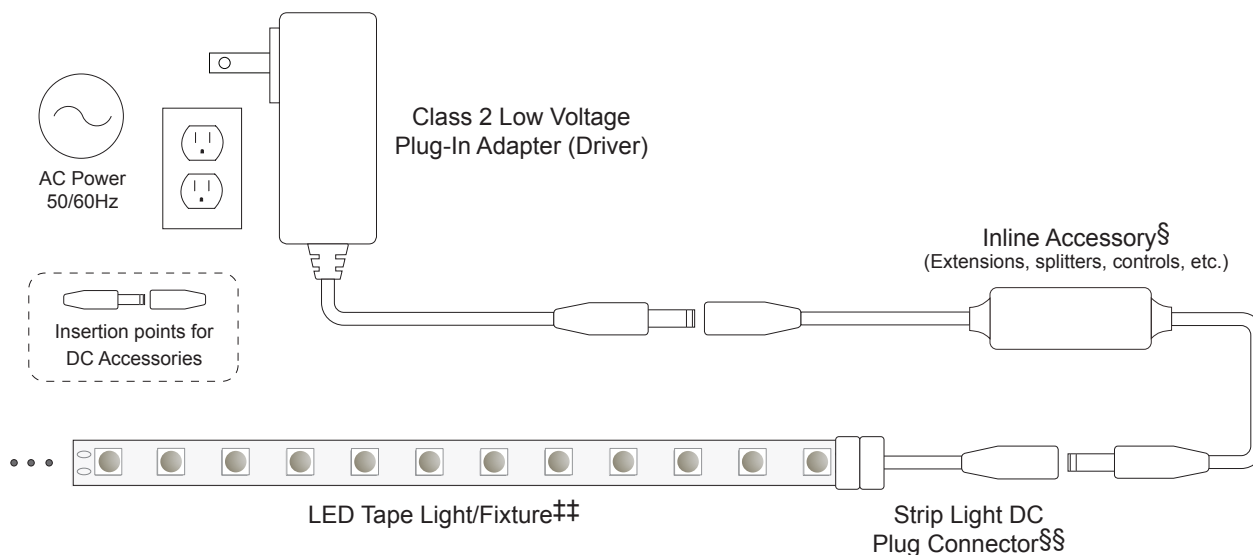
See page 128 for technical notes applicable to all system diagrams. Diagrams are subject to change.

12V DC Plug-In Adapter Model Options

12V DC Plug-In Adapters

PRODUCT IMAGE	SKU	WATTAGE	CLASS 2 ADAPTER	OUTPUT	COLOR	DIMENSIONS
	DI-0936	6W	-	12VDC	■ Black	1.9 x 1.3 x 1.3 in.
	DI-PA-12V6W-CL2-B	6W	Yes	12VDC	■ Black	1.9 x 1.3 x 1.3 in.
	DI-PA-12V6W-CL2-W	6W	Yes	12VDC	☐ White	1.9 x 1.3 x 1.3 in.
	DI-PA-12V12W-CL2-B	12W	Yes	12VDC	■ Black	2.35 x 1.75 x 1.4 in.
	DI-PA-12V12W-CL2-W	12W	Yes	12VDC	☐ White	2.35 x 1.75 x 1.4 in.
	DI-PA-12V24W-CL2-B	24W	Yes	12VDC	■ Black	3.8 x 1.75 x 1.4 in.
	DI-PA-12V24W-CL2-W	24W	Yes	12VDC	☐ White	3.8 x 1.75 x 1.4 in.
	DI-PA-12V36W-CL2-B	36W	Yes	12VDC	■ Black	3.8 x 1.75 x 1.4 in.
	DI-PA-12V36W-CL2-W	36W	Yes	12VDC	☐ White	3.8 x 1.75 x 1.4 in.
	DI-0912	36W	-	12VDC	☐ White	3.8 x 1.75 x 1.4 in.
	DI-PA-12V60W-CL2-B	60W	Yes	12VDC	■ Black	4.7 x 2 x 1.25 in.
	DI-PA-12V60W-CL2-W	60W	Yes	12VDC	☐ White	4.7 x 2 x 1.25 in.
	DI-0913	60W	-	12VDC	☐ White	4.7 x 2 x 1.25 in.

12V DC Commercial Grade Plug-In Adapters

PRODUCT IMAGE	SKU	WATTAGE	CLASS 2 ADAPTER	OUTPUT	COLOR	DIMENSIONS
	DI-CV-12V60W-OWA	60W	Yes	12VDC	■ Charcoal	5.1 x 2.1 x 1.4 in.

24V DC Plug-In Adapters

24V DC Plug-in Adapters convert AC voltage to low voltage of LED light fixtures. An adapter is the right choice if you are installing just a few light fixtures or want to avoid making a permanent installation with a bigger, hard-wired power driver.

FEATURES & BENEFITS
- Compatible with PWM Dimmers, DMX Systems and RGB Controllers
- Black or White finish
- UL Listed

LOOKING FOR COMPATIBLE DIMMERS AND CONTROL SYSTEMS?
Use the guide below to find your choice of dimmers, switches, RGB controllers, DMX controllers, junction boxes and wire.

QUICK SPECS

Environment	Indoor
Input Voltage	120VAC
Output Voltage	24VDC
Connection Type	Plug-in / DC barrel plug
Dimming	Inline PWM dimmer
Certification	UL Listed

Plug-In Adapter With DC Accessory Diagram

AC Power 50/60Hz

Class 2 Low Voltage Plug-In Adapter (Driver)

Insertion points for DC Accessories

Inline Accessory§
(Extensions, splitters, controls, etc.)

LED Tape Light/Fixture‡‡

Strip Light DC Plug Connector§§

See page 128 for technical notes applicable to all system diagrams. Diagrams are subject to change.

24V DC Plug-In Adapter Model Options

24V DC Plug-In Adapters

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

| PRODUCT IMAGE	SKU	WATTAGE	CLASS 2 ADAPTER	OUTPUT	COLOR	DIMENSIONS
	DI-PA-24V12W-CL2-B	12W	Yes	24VDC	◼ Black	1.9 x 1.3 x 1.3 in.
	DI-PA-24V12W-CL2-W	12W	Yes	24VDC	◻ White	1.9 x 1.3 x 1.3 in.
	DI-PA-24V24W-CL2-B	24W	Yes	24VDC	◼ Black	3.8 x 1.75 x 1.4 in.
	DI-PA-24V24W-CL2-W	24W	Yes	24VDC	◻ White	3.8 x 1.75 x 1.4 in.
	DI-PA-24V48W-CL2-B	48W	Yes	24VDC	◼ Black	3.8 x 1.75 x 1.4 in.
	DI-PA-24V48W-CL2-W	48W	Yes	24VDC	◻ White	3.8 x 1.75 x 1.4 in.
	DI-PA-24V96W-CL2-B	96W	Yes	24VDC	◼ Black	4.7 x 2 x 1.25 in.
	DI-PA-24V96W-CL2-W	96W	Yes	24VDC	◻ White	4.7 x 2 x 1.25 in.

24V DC Commercial Grade Plug-In Adapters

VIEW FULL SPECIFICATION SHEETS AT www.DiodeLED.com

PRODUCT IMAGE	SKU	WATTAGE	CLASS 2 ADAPTER	OUTPUT	COLOR	DIMENSIONS
	DI-CV-24V90W-OWA	90W	Yes	24VDC	◼ Charcoal	6.7 x 2.5 x 1.5 in.

Driver Diagram Technical Notes
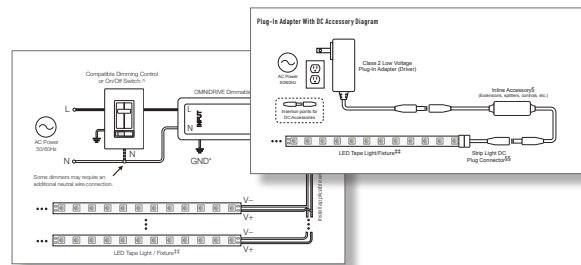
* Driver may not require a fault ground connection. Refer to driver specifications for additional information.

** Install a compatible Class 2 constant voltage driver. It is recommended to load the driver no more than 80% of its labeled rating for maximum longevity.

*** Install a Class 2 constant voltage driver compatible with a low-voltage PWM controller. It is recommended to load the driver no more than 80% of its labeled rating for maximum longevity.

**** Determine the number of low-voltage outputs of the driver when installing multiple PWM controllers/dimmer switches. No more than one PWM controller/dimmer switch can be attached to a single output of the driver.

† Install a compatible magnetic low-voltage dimmer switch. See dimmer switch manufacturer installation guide for complete wiring instructions.

†† Dimmable drivers require a compatible magnetic low-voltage dimmer switch to supply the driver and fixture with appropriate input voltage. Do not test or install directly connected to an AC power source or on/off switch. It is recommended to load the driver no more than 80% of its labeled rating for maximum longevity. See dimmer switch manufacturer specifications for minimum load recommendations.

‡ Refer to driver or controller specifications for a compatible junction box.

‡‡ See fixture specifications for maximum series run limits.

§ See inline accessories specifications for maximum amperage ratings.

§§ See fixture specifications for a compatible adapter cable.

^ Install a compatible dimming control or switch. See the Electronic Dimmable Driver / Dimmer Compatibility List for compatible dimming controls. See the dimming control manufacturer installation guide for complete wiring instructions.

^^ Load the driver at least 60% of the labeled load for proper dimming performance (required for dimmable installations only).

ELEMENTAL LED IS TECHNOLOGY & INNOVATION

Elemental LED's principal philosophy is to drive transformative and innovative technology advancements to the global lighting market. Our team — from product development, engineering, manufacturing to customer service — is dedicated to delivering uniquely superior, commercial-grade products for a variety of applications with optimum performance that will last for decades.

OUR INNOVATION LABORATORY

The Elemental LED Innovation Lab hosts state-of-the art photometric equipment allowing our engineering team to think broadly about potential applications for disruptive lighting technologies, build an innovation road map and rapidly prototype new technology in a real-world, living lab. Additionally, the Innovation Lab provides a testing environment for continual enhancement of our configured solutions to be compatible with other lighting products in the market.
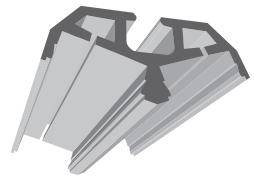
OUR PATENTED PRODUCTS

We have invested extensively in research and development to engineer next generation patented Diode LED products providing our customers with technologically advanced solutions that solve industry challenges. We are committed to being first to market with the next breakthroughs in linear LED lighting solutions. Our extensive Intellectual Property (IP) portfolio can be found at www.ElementalLED.com/patents.

Elemental LED Innovation Lab – Emeryville, CA

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