



**diode led<sup>®</sup>**  
a division of elemental LED

RETAIL • COMMERCIAL • RESIDENTIAL



2016 CATALOG





## FIND YOUR LIGHT

As **America's largest provider of linear LED lighting**, Elemental LED is proud to provide lighting professionals with innovative technology, unmatched quality, and best-in-class customer experience through our Diode LED brand.

Our commitment to you is to **deliver unparalleled lighting solutions** that produce flawless and vibrant high-fidelity color rendering worthy of any space or application that you can imagine.

**Your success is our success.** By tailoring our products, programs, and services to fit your needs, the options are endless – and we are excited to explore these opportunities with you. Our team of product and engineering specialists work together to **configure and build LED lighting solutions to your specifications**. We deliver significant value by assisting in the optimal pairing of our core LED products and components into a proven and complete solution that achieves your desired lighting effect.

Our mission is to make our portfolio of linear, accent, and task LED lighting products **easy to understand, effortless to adapt, and simple to install**. Critical in this mission is to deliver products that are engineered, tested, and advertised to meet specific application compliance certifications with **UL, as well as Title 24, and Energy Star** where applicable.

No matter the project, we will help you find your right light. Explore our comprehensive catalog, and:

## BE INSPIRED TO CREATE. WE'LL HELP YOU MAKE IT A REALITY.

Visit us at [www.DiodeLED.com](http://www.DiodeLED.com) to find up-to-date technical information about our products, including compatibility charts, specification sheets, photometric data, wiring diagrams, educational tutorials, videos, and more.



Illuminate your space

Visit the **NEW DiodeLED.com** website for even more great resources!

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

Additionally, we have made the website even easier to browse and select products based on your project needs, along with expanded capabilities, extensive product content and technical resources including:

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

The **new shopping list feature** allows customers 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. Choose any one of our extensive Diode LED dealer partners to access your list, provide you pricing, and deliver your order quick and easy.

### THE NEW SHOPPING LIST FUNCTION



1. Create a shopping list on the Diode LED website. You'll receive a shopping list I.D. number of everything on your list



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 NEW SHOPPING CART FUNCTION



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



2. Fulfill the order from your inventory or place 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:

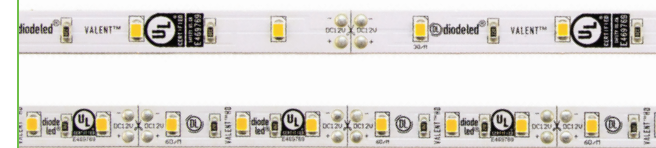
- **Place and purchase orders online**
- **Track order shipments**
- **View special promotions**
- **View product webinars**

When your customers present 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 new Diode LED website using the shopping cart function. The online purchase order offers the option to ship directly to your store, or drop ship to the customer's address.

The new access to customer lists and the easy conversion to an online purchase order will simplify the quoting and purchasing process for fast and accurate fulfillment of Diode LED orders for you and your customers.

## NEW PRODUCTS

PAGE 22



### VALENT® Premium 12V LED Tape Light

Up to 95 CRI value and superior R9 and R13 values.

PAGE 78



### SWITCHEX® Driver + Dimmer Switch

SWITCHEX combines a LED dimmer switch and LED power supply into a single integrated unit.

PAGE 45



### FENCER® SABER™ Premium Diffusion Under Cabinet LED Fixture

Provides exceptional color rendering and evenly distributed light without hot spots in an easy-to-install direct wire 120VAC fixture.

PAGE 80



### OMNIDRIVE® Electronic Dimmable Drivers

Compatible with the wider range of dimmers, with a built-in filter that eliminates flickering OMNIDRIVE offers truly superior dimming performance for powering LED lighting.

PAGE 56



### SPOTMOD® LINK & SPOTMOD® TILE

A low profile architectural grade LED fixture.

PAGE 66



### TOUCHDIAL™ WiFi Color Control System

The new TOUCHDIAL zone control system operates single color and RGB(W) LED lighting.

# The Importance of Product Safety Certifications

As a technology company, Diode LED designs and tests the products we manufacture for reliability and safety, to meet 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 the basic certifications and strive to bring products to market that are designed and certified for specific applications, in order to pass field inspections. Our products and recommendations 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.

CONFORMING STANDARD	RELATING PRODUCT(S)
UL Listed 153 Portable Luminaire	Wall Washers
UL Listed 676 Underwater Luminaire	HYDROLUME®
UL Listed 1598 Surface Mounted Luminaire	FENCER®
UL Listed 1598 Recessed Luminaire	MATTONE®
UL Listed 2108 Low Voltage Lighting Systems, Power Units, Luminaires & Fittings	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
Additionally these products are Suitable for Installation in the Storage Area of a Clothes Closet.	
UL Listed 2108 Low Voltage Lighting Systems, Power Units, Luminaires & Fittings	24V ULTRA BLAZEz24V AVENUE 24™ 24V DAZZLE 24® RGB 24V DAZZLE RGB WET LOCATION 24V DAZZLE 24 RGBW 5V DAZZLE® DMX 12V TRIANT® LED PUCK LIGHT 12V SPOTMOD® TILE 12V SPOTMOD LINK 12V SPECIFORM® 24V SPECIFORM 24V HYDROLUME®
ETL Listed Conforms to UL Standard 2108 Low Voltage Lighting Systems, Power Units, Luminaires & Fittings.	12V SPOTMOD 12V SPOTMOD RECESSED GIMBAL
ETL Listed Conforms to UL Standard 2388 Flexible Lighting Products	120V INFINILINE®
UL Listed 1310 Class 2 Power Supply	OMNIDRIVE® (class 2 specific models) Commercial Grade Plug-In Adapters
ETL Listed Conforms to UL Standard 5085-1 and 5085-3 Low Voltage Transformers	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®
ETL Listed Conforms to UL Standard 508 Industrial Control Equipment	REIGN™ Dimmer Switch

All **LED Tape Light** and **SPECIFORM** are also UL Recognized Component and found in the 2015 UL Sign Components Manual (SAM), beneficial to sign and display fabricators.

**SPOTMOD** and **TRIAN**T are also UL Recognized Component. The SAM Manual is printed once a year so these products will be added in late 2016.

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

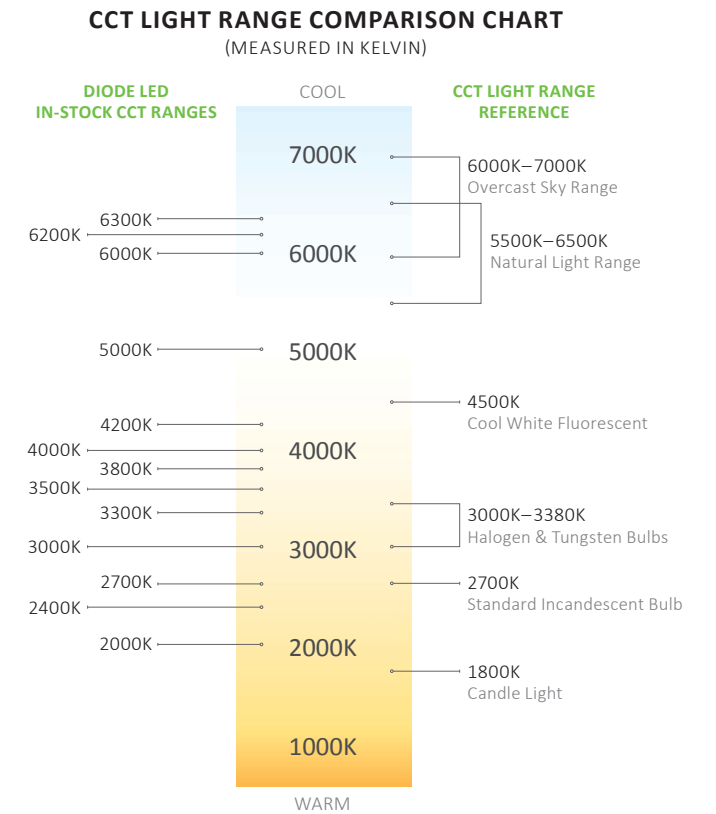
## Quality of Light

White light comes in many contrasting variants that are visually distinguishable from one another. Each offers advantages for different lighting applications. The lighting industry uses Kelvin, CCT, CRI and R-values to describe the color characteristics and light quality.



## ABOUT KELVIN AND CCT

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” (see chart, right). 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.



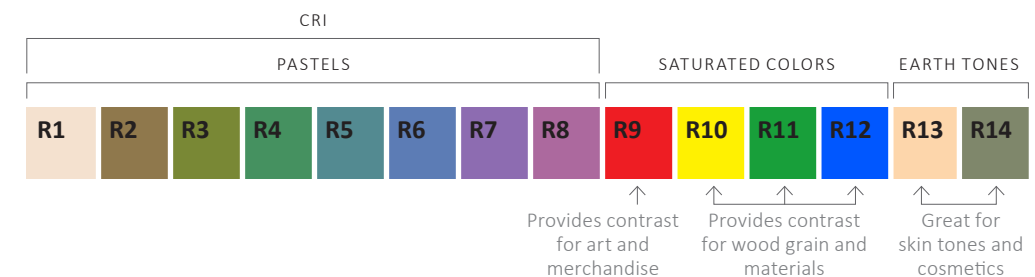
Other CCT options available by special order only.



## ABOUT CRI

CRI (Color Rendering Index) describes the quality of a light source in the way it renders true color. Objects illuminated by an artificial light source with a low CRI rating looks less appealing than one illuminated by natural light. Sunlight has a CRI of 100, the highest mark on the CRI scale. 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.

CRI is calculated using an average of 8 specific R-values representing 8 different colors within the light spectrum (see below). The R-values measure the concentrations of 14 colors within a light source's emitted spectrum and measure the ability to render individual colors in a subject. 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.



Visit [www.DiodeLED.com](http://www.DiodeLED.com) for up-to-date information about CRI, Color Temperature, and Light Quality.



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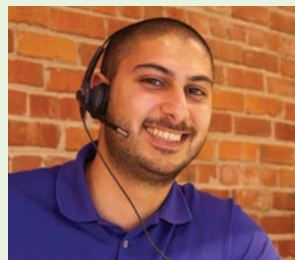
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### PRODUCT INFORMATION TILE GLOSSARY

Special Certification	 Field Cuttable	 Suitable for Closet Use	 Title 24 Compliant	 Energy Star Compliant	 Customizable Specifications
Output Voltage	 5VDC Input Only	 12VDC Input Only	 24VDC Input Only	 120VAC Input Only	 100VAC-277VAC Input Only
Environment	 Dry Location Only	 Suitable for Dry or Wet Locations			
Control	 Dimmable	 Color Changing	 Chasing	 Compatible with DMX 512 Systems	

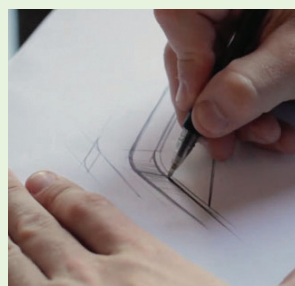
# SUPPORT SERVICES

LET OUR DEDICATED TEAM HELP  
YOU PLAN YOUR NEXT PROJECT



## CUSTOMER SUPPORT

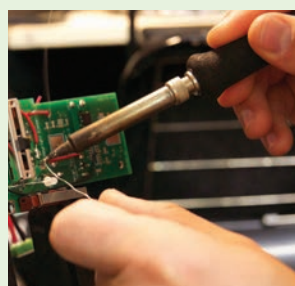
Our Customer Support representatives are hands-on product specialists who are available to help our dealer network and their customers understand and evaluate products. We help choose the right lighting solution, assist with configuration, layout and design for correct installation, and even troubleshoot post-installation issues when necessary.



## CUSTOM ORDERS

For large-scale projects where customization and assembly labor costs rise, our product customization services simplify installation.

Our product customization services reduce the high project labor cost of large commercial applications, or multiple-location installations where assembly of an individual form factor must be duplicated in high numbers.



### Customization Services include:

- Custom orders of specialized product attributes, such as color temperature
- Product form alterations and assembly, including custom lengths, soldering, and connectors

## SPECIFICATION AND PROJECT SUPPORT SERVICES

Our Specifications and Project Support Team (SPS) work closely with customers to understand individual project requirements, determine which Diode LED products deliver the best solution and ultimately, calculate a working quote. Our Technical Support Team works hand in hand with SPS to ensure that the configured solution quoted will meet the customer requirements.

### Support Services include:

- Project quotes tailored to large-scale and complex projects
- Cut, soldering, and factory-finish custom lengths of in-stock strip light and tape light — all manufactured in our California Operations Center
- Technical review assuring the configured solution meets customer requirements and technical specifications
- Blueprints, CAD drawings, and architectural support
- Timely and accurate estimates for competitive bids

## HOW TO REACH US

Call (877) 817-6028

7:00 a.m. to 5:00 p.m. PST, Monday through Friday,  
chat us online or e-mail at [info@DiodeLED.com](mailto:info@DiodeLED.com)  
to be directed to the proper Diode Support Team.

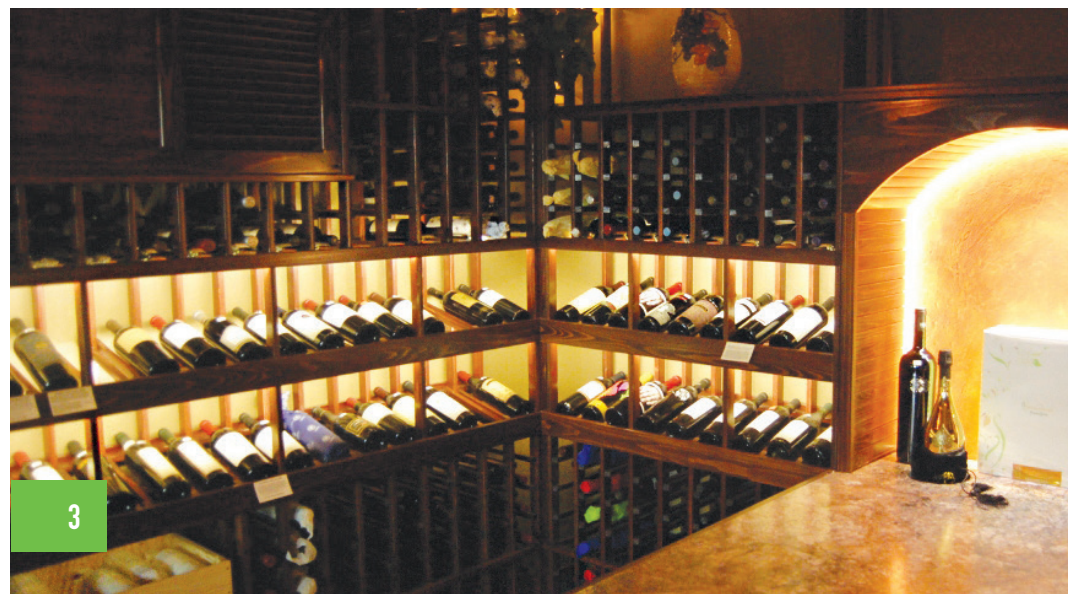




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# LINEAR LED LIGHTING

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 a tape light that will deliver the brightness you want, the color rendering you need, and the appropriate run length for your application. We have the perfect LED lighting solution to illuminate your space.

## 1 INFINILINE® 120V STRIP LIGHT

Illuminate your outdoor setting with 120VAC LED Strip Light, available in made-to-order lengths up to 164 feet. (Page 27)

## 2 AVENUE® 24V LED TAPE LIGHT

High CRI for superior color rendering and a maximum of up to 40 linear ft. (Page 19)

## 3 BLAZE™ & FLUID VIEW® 12V LED TAPE LIGHT

Create ambient lighting with our broad-ranging color selection, from 2000K- 6300K. (Page 14 & 20)

## 4 DAZZLE 24® COLOR CHANGING LIGHT

Show your colors with our DAZZLE line of color changing LED linear lighting. (Page 31-33)













































## 5 VALENT® 12V LED TAPE LIGHT



































Task lighting quality is better than ever before with our new high CRI and high R value LED lighting. (Page 22)



Diode LED Tape and Strip Light Product Comparison Chart

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

PRODUCT		INPUT VOLTAGE		CCT	LUMENS/FT	CRI	POWER CONSUMPTION /FT	MAX RUN	PAGE
<b>BLAZE™</b> Superior task lighting available in multiple CCT and colors.		12VDC		2400K	252	81	2.88W	16.4 ft	14
				2700K	293	83			
				3000K	286	81			
				3300K	299	81			
				3500K	280	80+			
				3800K	270	83			
				4200K	304	82			
				5000K	317	83			
				6300K	276	82			
				Blue 465nm	41	-			
				Green 525nm	205	-			
				Red 625nm	101	-			
<b>BLAZE™ Wet Location</b> Task and architectural lighting with protection against wet environments.		12VDC		3000K	180	86	2.88W	16.4 ft	15
				6300K	190	86			
<b>ULTRA BLAZE™</b> Works well for applications requiring a large amount of light with low-profile delivery.		12VDC		3000K	360	81	4.32W	16.4 ft	16
				6300K	406	84			
		24VDC		3000K	362	82	4.32W	20 ft	
				6300K	415	84			
<b>DOUBLE BLAZE™</b> Our brightest tape light option.		12VDC		2700K	517	84	5.75W	9.5 ft	17
				3000K	543	81			
				5000K	579	81			
<b>AVENUE 24™</b> Architectural grade light with run lengths up to 40 linear feet.		24VDC		2700K	162	92	2.09W	40 ft	19
				3000K	153	92			
				5000K	168	92			
<b>FLUID VIEW®</b> Excellent ambient or close proximity indoor light source.		12VDC		2000K	117	70	1.44W	16.4 ft	20
				2400K	105	81			
				2700K	117	83			
				3000K	143	81			
				3300K	151	81			
				3500K	150	80+			
				3800K	144	82			
				4200K	149	81			
				5000K	146	82			
				6300K	141	81			
				AMBER	69	-			
<b>FLUID VIEW® Wet Location</b> Designed for exterior and interior environments.		12VDC		3000K	98	85	1.44W	16.4 ft	21
				AMBER	69	-			

PRODUCT		INPUT VOLTAGE	CCT	LUMENS/FT	CRI	POWER CONSUMPTION /FT	MAX RUN	PAGE
VALENT® Premium Up to 95 CRI value and superior R9 and R13 values.		12VDC VALENT	 2700K	150	92	2.2W	16.4 ft	22
			 3000K	157	92			
			 4200K	170	95			
		12VDC VALENT HD	 6300K	177	93	4.4W		
			 2700K	297	92			
			 3000K	314	92			
			 3500K	320	90+			
			 4200K	337	95			
			 6300K	366	93			
VALENT® X Use with CHROMAPATH® for total diffusion.		12VDC	 2700K	500+	90+	CUSTOM ORDER Call today!	8 ft	23
			 3000K					
			 3500K					
			 4200K					
INFINILINE® Offers high light output, long runs, for any indoor/outdoor application.		120VAC	 2700K			CUSTOM ORDER Call today!	164 ft	27
			 3000K					
			 5000K					
HYDROLUME® Wet Location UL certified LED strip light for pool and fountains.		24VDC HYDROLUME	 3500K			CUSTOM ORDER Call today!	81.5 ft	28
			 6500K					
		24VDC HYDROLUME PLUS	 2700K			CUSTOM ORDER Call today!	32.6 Ft.	
			 3500K					
			 6500K					
DAZZLE 24® RGBW Adds warm white LEDs to an RGB tape light array to create more color options than ever.		24VDC	 RGB	198 Max.	RGB: NA W: 82.3	4.39W	20 ft	31
			 3000K					
DAZZLE 24® RGB An excellent solution for full color dynamic effects.		24VDC	 RGB	160 Max.	-	4.32W	16.4 ft	32
DAZZLE 24® RGB Wet Location Full color control, suitable for wet locations indoors and out.		24VDC	 RGB	160 Max.	-	4.32W	16.4 ft	33
DAZZLE® DMX Create patterns and chasing effects using DMX control systems.		5VDC	 RGB	394 Max.		CUSTOM ORDER Call today!	8.2 ft (power) 16.4 ft (data)	35



ACTUAL SIZE

BLAZE™ 12V LED Tape Light



With over 250 lumens per foot BLAZE 12V LED Tape Light excels as either task or ambient lighting. BLAZE features a higher than industry average 80+ CRI offering excellent color rendering performance. The superior light output combined with its high light quality, has made BLAZE our most popular linear lighting solution.

FEATURES & BENEFITS

- Bright task lighting
- Closet applications
- 80+ CRI: Excellent color rendering
- Cuttable every inch
- 3M™ adhesive backing

QUICK SPECS

Voltage	12VDC
Wattage	2.88W / ft.
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.



TAPE LIGHT ACCESSORIES

All tape light accessories can be found on page 24 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)

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-BL30-8016	16.4 ft. spool	3000K	81	286
DI-12V-BL30-80100	100 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	80+	280
DI-12V-BL35-80100	100 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-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	-	41
DI-12V-BLBL-0100	100 ft. spool			
DI-12V-0141	16.4 ft. spool	Green	-	205
DI-12V-BLGN-0100	100 ft. spool			
DI-12V-0140	16.4 ft. spool	Red	-	101
DI-12V-BLRD-0100	100 ft. spool			



ACTUAL SIZE

BLAZE™ 12V Wet Location LED Strip Light



FEATURES & BENEFITS

- IP65 (Indoor/Outdoor)
- High output brightness
- 80+ CRI: Excellent color rendering
- 5-Year limited warranty
- Includes mounting brackets for secure installation in environments exposed to moisture and rain

QUICK SPECS

Voltage	12VDC
Wattage	2.88W / ft.
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.



BLAZE 12V Wet Location LED Strip Light offers similar lighting performance to the popular indoor BLAZE 12V Tape Light, making it suitable for both task and ambient lighting. Its polymer jacket and water resistant connectors add protection against wet environments and dust for both indoor and outdoor locations.

STRIP LIGHT ACCESSORIES

All strip light accessories can be found on page 26 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)

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

DID YOU KNOW?

BLAZE Wet Location Strip Light is compatible with CHROMAPATH® Aluminum Channels. This is a great solution for those who need an outdoor fixture for wet environments. (see page 39)







ULTRA BLAZE™ LED Tape Light





ULTRA BLAZE LED Tape Light is a high output LED lighting that works well for applications requiring a large amount of light with low-profile delivery. Designed with an above industry standard 80+ CRI, ULTRA BLAZE becomes the first choice for optimal ambient task lighting without the sacrifice of quality.

12V ULTRA BLAZE

SKU	LENGTH	INPUT VOLTAGE	CCT	CRI	LUMENS / FT.
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-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				

FEATURES & BENEFITS

- 12V and 24V models
- 80+ CRI: Excellent color rendering
- 24V model features extended run length
- Very high light output
- 3M™ adhesive backing

QUICK SPECS

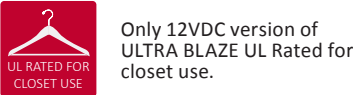
Voltage	12VDC & 24VDC
Wattage	4.32W / ft.
Max. Run	16.4 ft. (12V) 20 ft. (24V)
Field Cuttable	2 in. (12V) 4 in. (24V)
Certification	UL Listed 2108

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



TAPE LIGHT ACCESSORIES

All tape light accessories can be found on page 24 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)



Only 12VDC version of ULTRA BLAZE UL Rated for closet use.

DOUBLE BLAZE™ 12V LED Tape Light



DOUBLE BLAZE 12V LED Tape Light is the brightest tape light option available from Diode LED with quality color rendering. Developed with an above industry standard of 80+ CRI and a unique side by side design, this LED light delivers an impressive 500+ lumens.

FEATURES & BENEFITS

- Our brightest LED tape light offering
- 80+ CRI: Excellent color rendering
- Perfect with general lighting when paired with Chromapath®

QUICK SPECS




Voltage	12VDC
Wattage	5.75W / ft.
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.






TAPE LIGHT ACCESSORIES

Double BLAZE LED Tape Light is only compatible with the tape light connectors listed below.

SKU	CCT	CRI	LUMENS / FT.	LENGTH
DI-12V-DB27-8009	 2700K	84	517	9.5 ft. spool
DI-12V-DB30-8009	 3000K	81	543	9.5 ft. spool
DI-12V-DB50-8009	 5000K	81	579	9.5 ft. spool

DOUBLE BLAZE™ Tape Light Accessories

PRODUCT IMAGE	SKU	DESCRIPTION
	DI-0811	Splice Connector - 4 in.
	DI-0812	DC Plug Connector
	DI-0813	Flexible Extension - 3 in.
	DI-0814	Tape-to-Tape Connector







# AVENUE 24™ Premium 24V LED Tape Light



- FEATURES & BENEFITS**
- Up to 40 ft. run lengths
  - 90+ CRI: Superior color rendering
  - Ambient and cove lighting
  - 5-Year warranty
  - 3M™ adhesive backing

**QUICK SPECS**

Voltage	24VDC
Wattage	2.09W / ft.
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.








AVENUE 24 Premium 24V LED Tape Light is an extremely bright, low-voltage lighting solution with an impressive color rendering level of 90+ that delivers high quality lighting for true to color representation. AVENUE 24 is engineered to minimize voltage drop to an astonishing 40-foot range without impacting light performance.

**TAPE LIGHT ACCESSORIES**  
All tape light accessories can be found on page 24 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)

SKU	CCT	CRI	R9	R13	LUMENS / FT.	LENGTH
DI-24V-AV27-9040	 2700K	92	63.9	90+	162	40 ft. spool
DI-24V-AV30-9040	 3000K	92	67.3	90+	153	40 ft. spool
DI-24V-AV50-9040	 5000K	92	70.8	90+	168	40 ft. spool

**AVENUE 24 Title 24 Package**  
The AVENUE 24 Premium 24V LED Tape Light Title 24 Package is an all-inclusive, Title 24-ready package that creates an energy-efficient LED lighting installation. Includes: 40 ft. spool, 96W driver, and connector.

SKU	CCT
DI-24V-AV27-9040	 2700K
DI-24V-AV30-9040	 3000K
DI-24V-AV50-9040	 5000K

**DID YOU KNOW?**  
High Color Rendering Index (CRI) is one of the most important light attributes for accurate color representation when under artificial lighting. See page 5.  
Learn more at [www.DiodeLED.com](http://www.DiodeLED.com)

ACTUAL SIZE







ACTUAL SIZE

FLUID VIEW® 12V LED Tape Light



FLUID VIEW LED Tape Light is our most popular LED lighting solution and is an excellent accent indoor lighting solution. Available in a wide variety of color options featuring an industry leading 80+ CRI; it is available from 6300K ultra cool white light to 2000K, a color temperature that mimics the glow of soft candlelight adding that warm color needed in softer environments.

FEATURES & BENEFITS

- Multi-use strip light
- Medium brightness
- Accent or ambient lighting
- Wide range of CCTs
- 3M™ adhesive backing

QUICK SPECS













Voltage	12VDC
Wattage	1.44W / ft.
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.



TAPE LIGHT ACCESSORIES

All tape light accessories can be found on page 24 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)

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-FV30-8016	16.4 ft. spool	 3000K	81	143
DI-12V-FV30-80100	100 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	80+	150
DI-12V-FV35-80100	100 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-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* 	-	69
DI-12V-FVAM-80100	100 ft. spool			



ACTUAL SIZE

FLUID VIEW® 12V Wet Location LED Strip Light



FLUID VIEW 12V Wet Location LED Strip Light is a commercial grade flexible LED lighting solution designed for exterior and interior environments that need additional protection from physical debris as well as moisture. The industry leading 80+ CRI value offers more accurate color rendering, while the tough wet-location rated jacket protects the well-constructed components for longevity and maintaining quality lighting performance.

FEATURES & BENEFITS

- Dry/wet location environments
- 80+ CRI: Excellent color rendering
- Durable UL Listed PVC wire

QUICK SPECS

Voltage	12VDC
Wattage	1.44W / ft.
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.



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

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.

\*ORDERING NOTE: Special order only. Expect extended delivery times for AMBER color options.





VALENT® Premium 12V LED Tape Light



VALENT Premium 12V LED Tape Light provides architectural-grade lighting with true to color rendering. VALENT is a linear light featuring a 90+ CRI combined with high R9 and R13 values specifically engineered to enhance the details of all illuminated surfaces including skin tones, wood finishes, metals, and artwork.

FEATURES & BENEFITS

- Available in multiple CCTs and lumen output options
- 90+ CRI: Superior color rendering
- High R9 (red) and R13 (skin tone) values
- Title 24 compliant for all CCTs except 6300K
- 3M™ adhesive backing

QUICK SPECS

Voltage	12VDC
Wattage	2.2W / 183mA (164 lm / ft.) 4.4W / 366mA (332 lm / ft.)
Max. Run	16.4 ft.
Field Cuttable	Every 2 in. (164 lm / ft.), Every 4 in. (332 lm / ft.)
Certification	UL Listed 2108

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



TAPE LIGHT ACCESSORIES

All tape light accessories can be found on page 24 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)

SKU	TYPE	LENGTH	CCT	CRI	R9	R13	LUMENS / FT.
DI-12V-1VA27-9016	VALENT	16.4 ft. spool	2700K	92	68.9	92	150
DI-12V-1VA27-90100		100 ft. spool					
DI-12V-1VA30-9016	VALENT	16.4 ft. spool	3000K	92	65.6	92	157
DI-12V-1VA30-90100		100 ft. spool					
DI-12V-1VA42-9016	VALENT	16.4 ft. spool	4200K	95	84.6	95	170
DI-12V-1VA42-90100		100 ft. spool					
DI-12V-1VA63-9016	VALENT	16.4 ft. spool	6300K	93	83.9	93	177
DI-12V-1VA63-90100		100 ft. spool					
DI-12V-2VA27-9016	VALENT HD	16.4 ft. spool	2700K	93	68.9	92	297
DI-12V-2VA27-90100		100 ft. spool					
DI-12V-2VA30-9016	VALENT HD	16.4 ft. spool	3000K	92	65.6	92	314
DI-12V-2VA30-90100		100 ft. spool					
DI-12V-2VA35-9016	VALENT HD	16.4 ft. spool	3500K	90+	65	90+	320
DI-12V-2VA35-90100		100 ft. spool					
DI-12V-2VA42-9016	VALENT HD	16.4 ft. spool	4200K	95	84.6	95	337
DI-12V-2VA42-90100		100 ft. spool					
DI-12V-2VA63-9016	VALENT HD	16.4 ft. spool	6300K	93	83.9	93	366
DI-12V-2VA63-90100		100 ft. spool					

Create perfect lines of light!

VALENT® X  
Perfect Diffused Light

VALENT X Diffused Tape Light is designed and engineered to provide high quality natural LED light with total linear diffusion. Recommended for use with CHROMAPATH® Aluminum Channels, you can create a custom fixture of smooth, uninterrupted light. No hot-spots or dark areas.

FEATURES & BENEFITS

- 90+ CRI: Superior color rendering
- High R9 and R13 values
- 500 plus lumens per foot
- Wide CCT options
- 3M™ adhesive backing
- 1/2" cut points



USE WITH CHROMAPATH

Pair VALENT X with our top-selling, patent-pending CHROMAPATH® Aluminum Channels for optimal performance. View on page 39.



IN-HOUSE  
CUSTOMIZATION

Get a quote today! 877.817.6028

MODEL OFFERINGS

CCT	CRI	R9	R13	LUMENS
2700K	90+	68.9	92+	500+
3000K	90+	65.6	92+	500+
3500K	90+	65	90+	500+
4200K	90+	84.6	92+	500+

QUICK SPECS

Voltage	12VDC or 24VDC
Max. Run	8 ft.
Field Cuttable	Every 1/2 in.

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





CLICKTIGHT® PRO Connectors



**CLICKTIGHT PRO Tape-to-Tape Connector**

Patent pending connectors used for attaching identical LED tape light lengths into 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
- 25 spade connectors
- 10 wire fasteners with 10 nails

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

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



The TAPEGUARD LED Tape Light Cover is the easiest way to provide protection for indoor LED lighting installations. TAPEGUARD protects tape light from dust and airborne grease and dirt, and creates a surface that can be easily wiped clean. This 39.4 inch long cover is easy to install: just cut to size, peel off the backing and apply to a flat surface. Choose from a Clear cover for maximum light output or a Frosted cover for subtle light diffusion.



SKU	TYPE	BUNDLE OPTIONS
DI-TAPE-GRD-FR	Frosted Cover	Single
DI-TAPE-GRD-CL	Clear Cover	Single

Tape Light Fastener



Tape Light Fasteners help keep LED tape lights organized and secure. Screws are included.

SKU	BUNDLE OPTIONS
DI-WM-TF	Pack of 10



FOR USE WITH THESE DIODE LED TAPE LIGHT PRODUCTS:

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

COMPATIBLE WITH THESE DIODE LED TAPE LIGHT PRODUCTS:

- AVENUE 24™ LED Tape Light
- FLUID VIEW® LED Tape Light
- BLAZE™ LED Tape Light
- VALENT® LED Tape Light
- DAZZLE 24® RGB LED Tape Light
- DAZZLE 24® RGBW LED Tape Light



CLICKTIGHT® Solid Color Tape Light Connectors

The CLICKTIGHT Connectors are is a simple, secure way to power and link your LED tape lights.

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

PRODUCT IMAGE	PRODUCT NAME	SKU	LENGTH	TYPE	BUNDLE OPTIONS	LED TAPE LIGHT COMPATIBILITY	
						AVENUE 24® BLAZE™ FLUID VIEW®	ULTRA BLAZE™ VALENT®
	CLICKTIGHT Tape Link Connector	DI-0865	-	8mm	Single	●	
		DI-0865-25	-	8mm	Pack of 25	●	
		DI-0869	-	10mm	Single		●
		DI-0869-25	-	10mm	Pack of 25		●
	CLICKTIGHT DC Plug Connector	DI-0850	-	8mm	Single	●	
		DI-0850-25	-	8mm	Pack of 25	●	
		DI-0870	-	10mm	Single		●
		DI-0870-25	-	10mm	Pack of 25		●
	CLICKTIGHT Splice Connector	DI-0855	3 in.	8mm	Single	●	
		DI-0855-25	3 in.	8mm	Pack of 25	●	
		DI-0856	24 in.	8mm	Single	●	
		DI-0856-25	24 in.	8mm	Pack of 25	●	
		DI-0857	48 in.	8mm	Single	●	
		DI-0857-25	48 in.	8mm	Pack of 25	●	
		DI-0875	3 in.	10mm	Single		●
		DI-0875-25	3 in.	10mm	Pack of 25		●
		DI-0876	24 in.	10mm	Single		●
		DI-0876-25	24 in.	10mm	Pack of 25		●
		DI-0877	48 in.	10mm	Single		●
		DI-0877-25	48 in.	10mm	Pack of 25		●
	CLICKTIGHT Flexible Extension Connector	DI-0860	3 in.	8mm	Single	●	
		DI-0860-25	3 in.	8mm	Pack of 25	●	
		DI-0896	6 in.	8mm	Single	●	
		DI-0896-25	6 in.	8mm	Pack of 25	●	
		DI-0897	12 in.	8mm	Single	●	
		DI-0897-25	12 in.	8mm	Pack of 25	●	
		DI-0861	24 in.	8mm	Single	●	
		DI-0861-25	24 in.	8mm	Pack of 25	●	
		DI-0862	48. in	8mm	Single	●	
		DI-0862-25	48 in.	8mm	Pack of 25	●	
		DI-0880	3 in.	10mm	Single		●
		DI-0880-25	3 in.	10mm	Pack of 25		●
		DI-0898	6 in.	10mm	Single		●
		DI-0898-25	6 in.	10mm	Pack of 25		●
		DI-0899	12 in.	10mm	Single		●
		DI-0899-25	12 in.	10mm	Pack of 25		●
		DI-0881	24 in.	10mm	Single		●
		DI-0881-25	24 in.	10mm	Pack of 25		●
		DI-0882	48. in	10mm	Single		●
		DI-0882-25	48. in	10mm	Pack of 25		●






# Wet Location Tape Light Accessories

**Connector Note:** Class 2 maximum load limit on all wet location tape light connectors.


## Wet Location Splice Connector Pair

PRODUCT IMAGE	SKU	BUNDLE OPTIONS
	DI-10MM-WL-SCP	Single
	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	Female	Single
	DI-10MM-WL-DC-F-25	Female	Pack of 25
	DI-10MM-WL-DC-M	Male	Single
	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-WL12-EXT	12 in.	Single
	DI-10MM-WL12-EXT-25	12 in.	Pack of 25
	DI-10MM-WL24-EXT	24 in.	Single
	DI-10MM-WL24-EXT-25	24 in.	Pack of 25
	DI-10MM-WL6-EXT	6 in.	Single
	DI-10MM-WL6-EXT-25	6 in.	Pack of 25

## Wet Location LED Splitter Plug

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

## Wet Location End Caps and Sealant

PRODUCT IMAGE	SKU	TYPE	BUNDLE OPTIONS
	DI-0755	End Caps Only	Pack of 10
	DI-WPSL	3M Sealant Only	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-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.

## 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**  
Get 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.






## QUICK SPECS

Voltage	120VAC via standard AC cable
Max. Run	164 ft.
Cuttability	Non-Cuttable
Environment	Indoor and outdoor applications
Warranty	3-Year Warranty
Certification	UL Standard 2388

Visit [www.DiodeLED.com](http://www.DiodeLED.com) for specification sheets, install guides, IES files and photometric reports.

## MODEL OFFERINGS

	CCT	LUMENS / FT.
	2700K	189
	3000K	189
	5000K	211

Contact Diode LED customer service for buying options or speak to your dealer.

Call today  
for a quote!  
877.817.6028

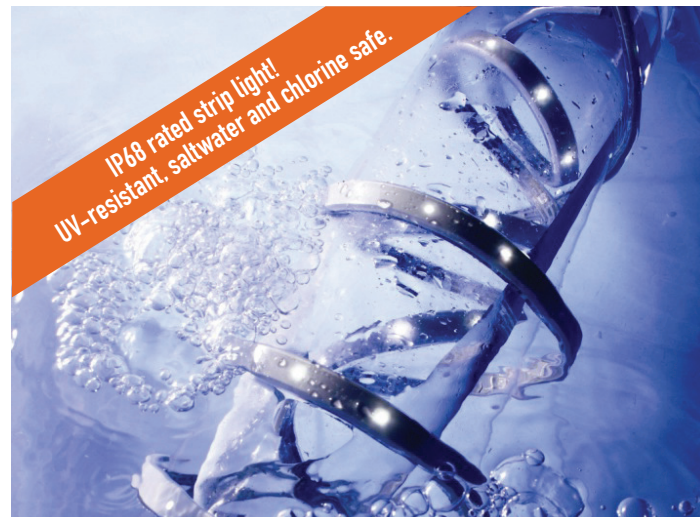




ACTUAL SIZE

# HYDROLUME®

## LED Lighting for All Environments



This one of a kind, fully submersible LED strip light is the ONLY linear LED lighting solution on the market that is UL Listed as an underwater luminaire. Designed for harsh environments, it is completely UV-resistant, saltwater, and chlorine safe yet also perfect for any location. Now you can add brilliant lighting that is durable enough to last in areas exposed to extreme elements. Designed using patented technology, each section is custom assembled to your exact specifications in our California manufacturing facility to arrive prefinished and ready to install. No more field sealants or end cap installation, and no more risk of leaks and corrosion. Finally we have an extreme environment solution for both indoor and outdoor LED lighting applications.

### FEATURES & BENEFITS

- Submersible in fresh and saltwater environments
- Safe for Chlorine and Bromine treated waters
- Resistant to direct sun and protection from UV radiation

### POPULAR APPLICATIONS

- Indoor/outdoor architectural accent lighting
- Steps, paths, and driveways
- Decks, gardens, and trellises
- Coastlines, marine environments, boats, and docks
- Pools, fountains, and water features
- Indoor cove lighting



HYDROLUME is certified under UL676- 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-HLMTCH) on the next page. It also conforms to Article 682 of the NEC for installation in Fountains.



#### 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 weatherproof



#### LOW VOLTAGE

Minimal heat and greater safety



#### DIMMABLE

Control your brightness



#### CUSTOMIZABLE

On-demand lengths are manufactured in-house.

## HYDROLUME Accessories

### HYDROLUME Mounting Bracket

SKU: DI-HL-MTBR

This bracket mounts to surfaces with a single screw. HYDROLUME is then snapped into place. Sold in 10-packs.

### 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.

### HYDROLUME Mounting Channel\*

SKU: DI-HL-MTCH

These 39.4 in. (1 meter) mounting channels are easily trimmed to custom lengths.

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

MADE-TO-ORDER AND SHIPS IN 5-7 BUSINESS DAYS.

### HYDROLUME 24V LED Strip Light

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

Contact Diode LED customer service for buying options or speak to your dealer.

### QUICK SPECS

Voltage	24VDC
Wattage	1.13W/ft. HYDROLUME 2.04W/ft. HYDROLUME PLUS
Max. Run	81.5 ft. HYDROLUME 32.6 ft. HYDROLUME PLUS
Field Cuttable	Non-Cuttable
Certification	UL Listed 676 & 2108

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



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

Get a quote today!  
877.817.6028  
[www.DiodeLED.com](http://www.DiodeLED.com)





# DAZZLE 24® 24V RGBW LED Tape Light



- FEATURES & BENEFITS**
- Color-changing and white light LEDs
  - Up to 4 billion colors to choose from
  - Achieve all colors from saturated to pastel
  - Dynamic and totally flexible
  - 3M™ adhesive backing

**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.





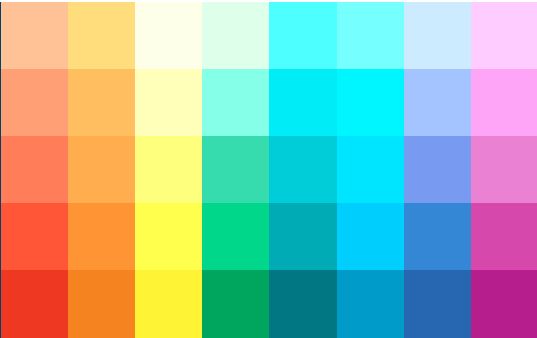
**COLOR CHANGING TAPE LIGHT ACCESSORIES**

All tape light accessories can be found on page 34 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)

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

**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 RGB LED Tape Light



DAZZLE 24 24V RGB LED Tape Light is an excellent solution for full color dynamic effects. DAZZLE 24 transforms any space into a special event and adds excitement to retail and commercial spaces. Engineered with our high performance flexible circuit boards for heat management and electrical distribution, DAZZLE 24 will provide over 16 million color options and evenly distributes the light throughout creating just the lighting effect you want.

## FEATURES & BENEFITS

- 16 million color options
- Use with any Diode LED RGB color controller
- Dynamic and versatile accent lighting
- 3M™ adhesive backing

## 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.



## COLOR CHANGING TAPE LIGHT ACCESSORIES

All tape light accessories can be found on page 34 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)

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

## COLOR CONTROLLERS

Find out about our color controllers and create the right color for the right event. Color controllers featured on page 66-69.



ACTUAL SIZE

# DAZZLE 24® 24V Wet Location RGB LED Strip Light



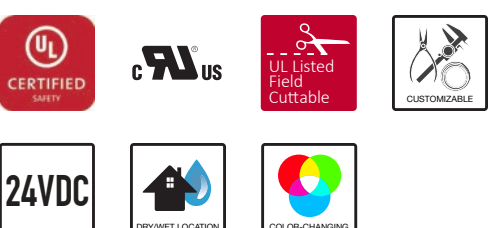
## FEATURES & BENEFITS

- Color-changing
- Indoor or outdoor
- Flexible yet sturdy
- 16 million color options
- High output

## 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.





## COLOR CHANGING STRIP LIGHT ACCESSORIES

All strip light accessories can be found on page 34 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)

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

## Wet Location RGB Connector & Extension

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

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




Color Changing Tape Light Accessories

CLICKTIGHT® RGB(W) Splice Connectors


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

PRODUCT IMAGE	SKU	LENGTH	TYPE	BUNDLE OPTIONS
	DI-0885	3 in.	10mm RGB	Single
	DI-0885-25	3 in.	10mm RGB	Pack of 25
	DI-0886	24 in.	10mm RGB	Single
	DI-0886-25	24 in.	10mm RGB	Pack of 25
	DI-0887	48 in.	10mm RGB	Single
	DI-0887-25	48 in.	10mm RGB	Pack of 25
	DI-RGBW-CKT24-SPLE	24 in.	15mm RGBW	Single
	DI-RGBW-CKT24-SPLE-25	24 in.	15mm RGBW	Pack of 25
	DI-RGBW-CKT3-SPLE	3 in.	15mm RGBW	Single
	DI-RGBW-CKT3-SPLE-25	3 in.	15mm RGBW	Pack of 25


CLICKTIGHT® RGB(W) Flexible Extension Connectors

PRODUCT IMAGE	SKU	LENGTH	TYPE	BUNDLE OPTIONS
	DI-0890	3 in.	10mm RGB	Single
	DI-0890-25	3 in.	10mm RGB	Pack of 25
	DI-1090	6 in.	10mm RGB	Single
	DI-1090-25	6 in.	10mm RGB	Pack of 25
	DI-1091	12 in.	10mm RGB	Single
	DI-1091-25	12 in.	10mm RGB	Pack of 25
	DI-0891	24 in.	10mm RGB	Single
	DI-0891-25	24 in.	10mm RGB	Pack of 25
	DI-0892	48 in.	10mm RGB	Single
	DI-0892-25	48 in.	10mm RGB	Pack of 25
	DI-RGBW-CKT24-EXT	24 in.	15mm RGBW	Single
	DI-RGBW-CKT24-EXT-25	24 in.	15mm RGBW	Pack of 25
	DI-RGBW-CKT3-EXT	3 in.	15mm RGBW	Single
	DI-RGBW-CKT3-EXT-25	3 in.	15mm RGBW	Pack of 25

Wet Location RGB End Caps and Sealant

PRODUCT IMAGE	SKU	TYPE	BUNDLE OPTIONS
	DI-0754	RGB End Caps Only	Pack of 10
	DI-0754-25	End Caps Only	Pack of 25

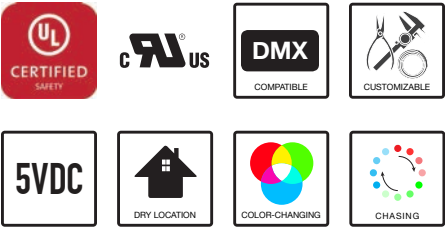
Wet Location RGB End Caps and Sealant

PRODUCT IMAGE	SKU	TYPE	BUNDLE OPTIONS
	DI-0842	RGB End Caps Only	Pack of 10
	DI-WPSL	3M Sealant Only	Single



ACTUAL SIZE

DAZZLE®  
DMX Pixel Strip Light



DAZZLE DMX offers what standard RGB doesn’t with individually addressable LEDs that can create patterns and chasing effects using DMX control systems. DAZZLE DMX Pixel Strip Light is engineered to deliver professional-grade dynamic lighting in any and all locations as it is housed in a flexible silicon sleeve for additional protection. Readily stocked in 8 foot spools or take full advantage of our California based Operations Center for complete customized layouts that meet any project requirements.

- FEATURES & BENEFITS**
- Individually addressable LEDs
  - Professional level lighting
  - Complete control over the entire spool length
  - Custom lengths

**HAVE SOMETHING UNIQUE  
IN MIND, BUT NOT SURE  
HOW TO EXECUTE?**

Our technical specialists are available for consultation to make things easy from start to finish including programming services that are only limited to your creativity.

SPECIFICATIONS	
Voltage	5V DC
Wattage	2.81W / ft.
Max. Run	8.2 ft. (power), 16.4 ft. (data)
Field Cuttable	Non-Cuttable
CCT	RGB
Lumens / ft.	394 max
Certification	UL Listed 2108
Contact Diode LED customer service for buying options or speak to your dealer.	

**Talk to an agent today  
and find out more!**  
**877.817.6028**  
Visit [www.DiodeLED.com](http://www.DiodeLED.com) for specification sheets, install guides, and photometric reports.





# CUSTOM SOLUTIONS

CUSTOM FIXTURES • MADE TO ORDER • READY TO INSTALL

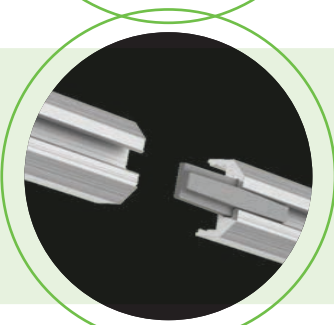
## LET US BUILD IT YOUR WAY

The Diode LED Customization Program significantly reduces installation time and labor costs. Our domestic manufacturing facility offers quick and consistent production lead times that give you the ability to select specific products that are custom-finished to precise specifications:



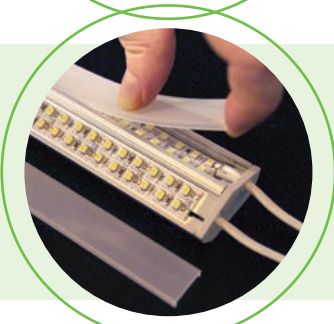
### CUSTOM FINISHED LED TAPE LIGHT

Order LED tape light in specified lengths and with the connection of your choice. No more cutting and soldering. View our tape light options on page 12.



### CUSTOM CUT CHROMAPATH® ALUMINUM CHANNELS

Factory finished CHROMAPATH Aluminum Channels and cover options are cut to specified lengths in increments of 1/8 inch. View the options such as slim recessed and square designs on page 38.



### FULLY LOADED FIXTURES WITH LED TAPE LIGHT

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

For more details visit the Project Support page at [www.DiodeLED.com](http://www.DiodeLED.com)



### IN-HOUSE CUSTOMIZATION AVAILABLE

Our California facility is equipped to prepare in-stock products that are quickly made to order and ready for install.



### COLOR RENDERING INDEX (CRI)

Our engineers can specify your choice of CRI value for optimal color rendering performance.



### CORRELATED COLOR TEMPERATURE (CCT)

We offer the widest range of CCT to meet the demands of retail, commercial, and residential lighting.

## OUR PROJECT SUPPORT TEAM IS STANDING BY

Detailed quotes are provided for installations that require multiple sections of lighting connected with jumpers as well as DMX programming, in layout design and more.

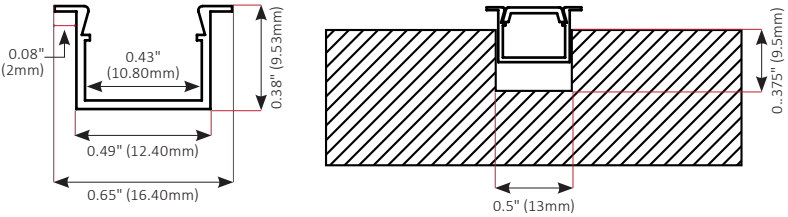
Call toll-free at **877.817.6028** to start your custom solution today.



CHROMAPATH® Slim Recessed Aluminum Channel



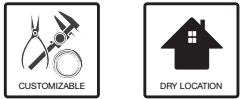
CHROMAPATH SLIM Recessed Channels protect LED tape lighting in a recessed form factor with minimal visibility so you see only what you really want to see – beautiful lighting. Just like our traditional CHROMAPATH Channel offering, the CHROMAPATH SLIM Recessed Channel provides a rigid and dustproof housing, however, you now have the ability to recess your custom LED lighting into a slim half-inch routed opening. CHROMAPATH SLIM Recessed Channels help you create a sleek and modernized look for any space.



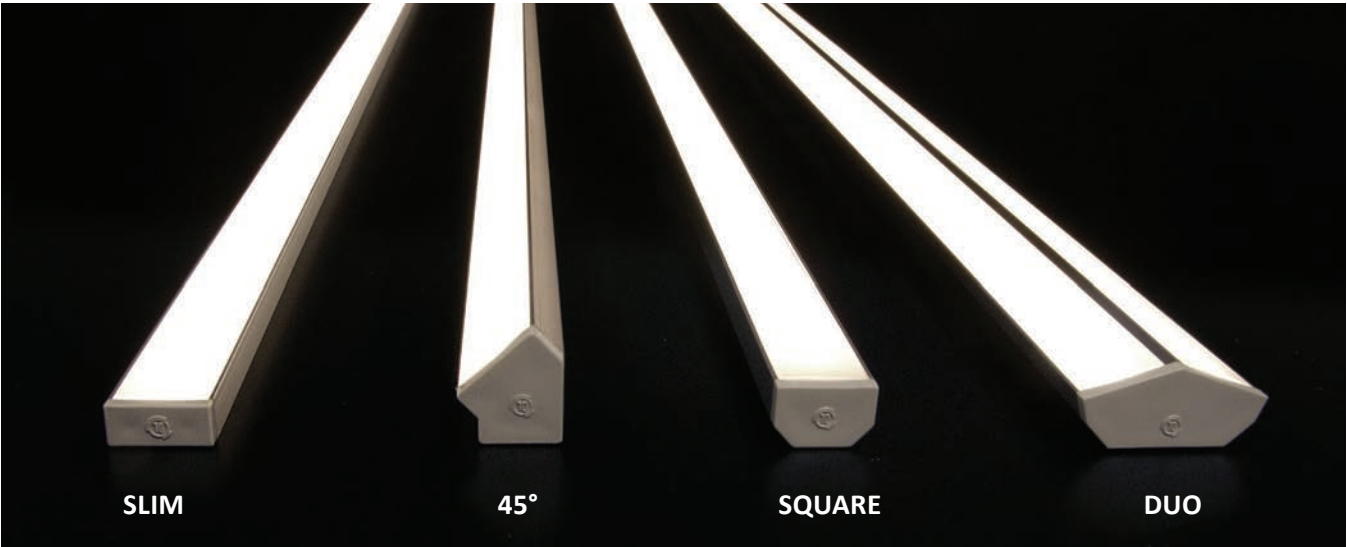
SKU	OPTION	INCLUDES
DI-CPCHA-SLR48	48 in. Bundle	<ul style="list-style-type: none"><li>48 in. CHROMAPATH Recessed Channel</li><li>Frosted Cover</li><li>Open End Cap</li><li>Closed End Cap</li><li>Round End cap</li></ul>
DI-CPCHA-SLR96	96 in. Bundle	<ul style="list-style-type: none"><li>96 in. CHROMAPATH Recessed Channel</li><li>Frosted Cover</li><li>Open End Cap</li><li>Closed End Cap</li><li>Round End Cap</li></ul>
DI-CPEC-SLR-3	Additional End Caps	<ul style="list-style-type: none"><li>3 Open End Caps</li><li>3 Closed End Caps</li><li>3 Round End Caps</li></ul>

FEATURES & BENEFITS

- Aluminum extrusions for custom lighting fixtures
- Custom light output with minimal fixture visibility
- Frosted cover included to protect LED lighting
- In-house and field-cuttable channels to work with individual specifications
- Fits with most of our popular tape lights
- Perfect heat sink



CHROMAPATH® Aluminum Channels



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 lights from moisture, dust and other elements.

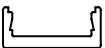

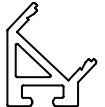
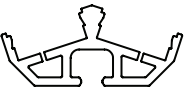
- SLIM:** A very low profile shape for shallow or recessed applications.
- 45°:** Allows for mounting in a corner so that light shines at a 45° angle.
- SQUARE:** Ideal for most general applications.
- DUO:** Two parallel rows for high output installations.

**BUNDLES**  
48 in.- 1 Channel, 4 Mounting Clips, and 2 End-To-End Connector Plugs  
98 in.- 1 Channel, 8 Mounting Clips, and 4 End-To-End Connector Plugs

FEATURES & BENEFITS

- Aluminum extrusions for custom lighting fixtures
- Frosted and clear cover options to protect and diffuse lighting
- In-house and field-cuttable channels to work with individual specifications
- Channel acts as a heat sink, cooling and prolonging the LED lifespan



SKU	FORM FACTOR	LENGTH	BUNDLE OPTION	
DI-CPCHA-SL48		SLIM	48 in.	Single Channel
DI-CPCHA-SL48-10		SLIM	48 in.	Pack of 10 Channels
DI-CPCHA-SL96		SLIM	96 in.	Single Channel
DI-CPCHA-SL96-10		SLIM	96 in.	Pack of 10 Channels
DI-CPCHA-SQ48		SQUARE	48 in.	Bundle
DI-CPCHA-SQ48-10		SQUARE	48 in.	Pack of 10 Bundles
DI-CPCHA-SQ96		SQUARE	96 in.	Bundle
DI-CPCHA-SQ96-10		SQUARE	96 in.	Pack of 10 Bundles
DI-CPCHA-4548		45°	48 in.	Bundle
DI-CPCHA-4548-10		45°	48 in.	Pack of 10 Bundles
DI-CPCHA-4596		45°	96 in.	Bundle
DI-CPCHA-4596-10		45°	96 in.	Pack of 10 Bundles
DI-CPCHA-DU48		DUO	48 in.	Bundle
DI-CPCHA-DU48-10		DUO	48 in.	Pack of 10 Bundles



CHROMAPATH® Channel Covers



CHROMAPATH Channel Covers are used in conjunction with CHROMAPATH Channels to protect and provide multiple levels of light diffusion for indoor LED tape lights. The CHROMAPATH Channel system provides a sleek, custom LED fixture in the form of a rigid, dustproof, brushed aluminum housing.

**PREMIUM DIFFUSION COVER:** The ultimate in total diffusion for uninterrupted continuous LED light output. Please note there is an average warm shift in Kelvin of 75K and an average 24% decrease in delivered lumens. (Not for use with DUO Channel. Not for use with DAZZLE® RGBW or VALENT® LED Tape Lights).

**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.

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

SKU	FORM FACTOR	LENGTH	BUNDLE OPTIONS
DI-CPCHC-PD48	Premium Diffusion Cover	48 in.	Single
DI-CPCHC-PD48-10	Premium Diffusion Cover	48 in.	Pack of 10
DI-CPCHC-PD96	Premium Diffusion Cover	96 in.	Single
DI-CPCHC-PD96-10	Premium Diffusion Cover	96 in.	Pack of 10
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



- FEATURES & BENEFITS
- Protects tape light from dust and debris
  - Provides quality light diffusion
  - Easy, snap-in installation



CHROMAPATH® Channel End Caps

Channel End Caps are essential for providing a seal on our CHROMAPATH Channels. One set includes open and closed end caps for either side.

PRODUCT IMAGE	SKU	FORM FACTOR	BUNDLE OPTIONS
	DI-CPEC-SLPD	SLIM Premium Diffusion	5 Sets
	DI-CPEC-SQPD	SQUARE Premium Diffusion	5 Sets
	DI-CPEC-45PD	45° Premium Diffusion	5 Sets
	DI-CPEC-SL	SLIM Standard	5 Sets
	DI-CPEC-SQ	SQUARE Standard	5 Sets
	DI-CPEC-45	45° Standard	5 Sets
	DI-CPEC-DU	DUO Standard	5 Sets

CHROMAPATH® Mounting Accessories

CHROMAPATH offers multiple methods of securing your channels to a surface.

PRODUCT IMAGE	SKU	MOUNTING OPTION
	DI-CPMC2-SCR4	Mounting Clips - Pack of 2 Clips & 4 screws
	DI-1630-20	Mounting Clips - Pack of 20 Clips & 40 screws
	DI-1912	Vertical Mounting Brackets - SQUARE/45° (One pair)
	DI-1913	Vertical Mounting Brackets - DUO (One pair)
	DI-1633	Mounting Tape - 4ft. (recommended for the SLIM Channel)
	DI-1634	Mounting Tape - 12ft. (recommended for the SLIM Channel)
	DI-1631-10	End-To-End Connector Plugs - Pack of 10



# LED FIXTURES & WALL WASHERS

Diode LED Fixtures are engineered for style, performance, and ease of installation. High in light output and quality, but compact in design, these LED fixtures are desirable for any project with a futuristic twist to a modern approach. Wall Washers are ideal for spot, accent and fill lighting for large environments.



## 1 TRIANT® PUCK LIGHT

High-performance, dimmable puck lights can be surface-mounted or recessed. (Page 52)

## 2 SPOTMOD® LED FIXTURE

Small and bright, these discreet lights can be used in dry and wet environments. (Page 53)

## 3 SPOTMOD® RECESSED GIMBAL LED LIGHT

Directional lighting is easy with this recessable and dimmable LED fixture. (Page 54)

## 4 MATTONE® SERIES

Use these commercial-grade step lighting fixtures for all of your floor level lighting needs. (Page 48-51)

## 5 SPHERE-STAR® LED WALL WASHER

Get everyone's attention with full color, architectural lighting for commercial, residential, or event applications. (Page 62)





# FENCER® SABER™ Premium Diffusion Under Cabinet LED Fixture



## FEATURES & BENEFITS

- Premium diffused lenses: eliminates LED hot spots
- Mounting with captive screws for a quick installation
- Easy and fast retrofit for incandescent, fluorescent, and halogen fixtures
- Title 24 and Energy Star compliant
- Highest CRI and R values

## QUICK SPECS

Voltage	120VAC
CRI	98
Light Beam Angle	120 degree
Environment	Indoor
Certification	UL Listed 1598

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

The FENCER Series SABER Under Cabinet LED Fixtures incorporate a unique design with premium diffusion lens to create an uninterrupted linear light output, that totally eliminates the traditional “hot spots” of most LED array fixtures. It boasts a 98+ Color Rendering Index (CRI) that delivers exceptional color rendering, enhancing colors, patterns and natural details with a vibrant, flawless color representation.

This fixture is unmatched in quality with a high efficiency LED array that is dimmable using the market’s most popular dimmer switches. FENCER is designed to connect directly 120VAC for easy retrofit or new construction.



## FENCER ACCESSORIES

Fencer accessories can be found on page 47 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)

SKU	LENGTH	CCT	LUMENS	R9	R13	FIXTURE COLOR	DIMENSIONS
DI-120V-SABER-PD30-8-BZ	8 in.	3000K	253	95+	95+	Dark Bronze	8.21 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-8-WH	8 in.	3000K	253	95+	95+	White	8.21 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-16-BZ	16 in.	3000K	493	95+	95+	Dark Bronze	16.03 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-16-WH	16 in.	3000K	493	95+	95+	White	16.03 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-24-BZ	24 in.	3000K	783	95+	95+	Dark Bronze	23.85 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-24-WH	24 in.	3000K	783	95+	95+	White	23.85 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-32-BZ	32 in.	3000K	1057	95+	95+	Dark Bronze	31.67 x 3.62 x 0.96 in.
DI-120V-SABER-PD30-32-WH	32 in.	3000K	1057	95+	95+	White	31.67 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-8-BZ	8 in.	3500K*	253	-	-	Dark Bronze	8.21 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-8-WH	8 in.	3500K*	253	-	-	White	8.21 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-16-BZ	16 in.	3500K*	493	-	-	Dark Bronze	16.03 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-16-WH	16 in.	3500K*	493	-	-	White	16.03 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-24-BZ	24 in.	3500K*	783	-	-	Dark Bronze	23.85 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-24-WH	24 in.	3500K*	783	-	-	White	23.85 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-32-BZ	32 in.	3500K*	1057	-	-	Dark Bronze	31.67 x 3.62 x 0.96 in.
DI-120V-SABER-PD35-32-WH	32 in.	3500K*	1057	-	-	White	31.67 x 3.62 x 0.96 in.

**\*3500K ORDERING NOTE:** Special order only. Expect extended delivery times for 3500K CCT options.  
**277VAC INPUT:** FENCER SABER Premium Diffusion is available for 277VAC by special order only. Call for details 877.817.6028.



FENCER® Series SABER™ Under Cabinet LED Fixture



The FENCER Series SABER Under Cabinet LED Fixtures boasts a 98+ Color Rendering Index (CRI) that delivers exceptional color rendering, enhancing colors, patterns and natural details with a vibrant, flawless color representation. This fixture has an optimum light output, which out performs other under cabinet fixtures on the market. The high efficiency LED array is also dimmable using the market’s most popular dimmer switches. FENCER is designed to connect directly 120VAC for easy retrofit or new construction.

FEATURES & BENEFITS

- Mirrors natural sunlight with high R values
- Captive screws for a quick installation
- Connects directly to 120V
- Easy and fast retrofit for incandescent, fluorescent, and halogen fixtures
- Title 24 and Energy Star compliant

QUICK SPECS

Voltage	120VAC
CRI	98
Light Beam Angle	110 degree
Environment	Indoor
Certification	UL Listed 1598

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



SKU	LENGTH	CCT	LUMENS	FIXTURE COLOR	DIMENSIONS
DI-1302-8-BZ-30-90	8 in.		3000K	117	Dark Bronze8.77 x 3.62 x 0.96 in.
DI-1302-8-WH-30-90	8 in.		3000K	117	White8.77 x 3.62 x 0.96 in.
DI-1302-12-BZ-30-90	12 in.		3000K	218	Dark Bronze12.32 x 3.62 x 0.96 in.
DI-1302-12-WH-30-90	12 in.		3000K	218	White12.32 x 3.62 x 0.96 in.
DI-1302-18-BZ-30-90	18 in.		3000K	301	Dark Bronze18.2 x 3.62 x 0.96 in.
DI-1302-18-WH-30-90	18 in.		3000K	301	White18.2 x 3.62 x 0.96 in.
DI-1302-24-BZ-30-90	24 in.		3000K	425	Dark Bronze24.17 x 3.62 x 0.96 in.
DI-1302-24-WH-30-90	24 in.		3000K	425	White24.17 x 3.62 x 0.96 in.
DI-1302-32-BZ-30-90	32 in.		3000K	554	Dark Bronze32.71 x 3.62 x 0.96 in.
DI-1302-32-WH-30-90	32 in.		3000K	554	White32.71 x 3.62 x 0.96 in.
DI-1302-8-BZ-35-90	8 in.		3500K*	117	Dark Bronze8.77 x 3.62 x 0.96 in.
DI-1302-8-WH-35-90	8 in.		3500K*	117	White8.77 x 3.62 x 0.96 in.
DI-1302-12-BZ-35-90	12 in.		3500K*	218	Dark Bronze12.32 x 3.62 x 0.96 in.
DI-1302-12-WH-35-90	12 in.		3500K*	218	White12.32 x 3.62 x 0.96 in.
DI-1302-18-BZ-35-90	18 in.		3500K*	301	Dark Bronze18.2 x 3.62 x 0.96 in.
DI-1302-18-WH-35-90	18 in.		3500K*	301	White18.2 x 3.62 x 0.96 in.
DI-1302-24-BZ-35-90	24 in.		3500K*	425	Dark Bronze24.17 x 3.62 x 0.96 in.
DI-1302-24-WH-35-90	24 in.		3500K*	425	White24.17 x 3.62 x 0.96 in.
DI-1302-32-BZ-35-90	32 in.		3500K*	554	Dark Bronze32.71 x 3.62 x 0.96 in.
DI-1302-32-WH-35-90	32 in.		3500K*	554	White32.71 x 3.62 x 0.96 in.

\*3500K ORDERING NOTE: Special order only. Expect extended delivery times for 3500K CCT options.



Fencer Accessories

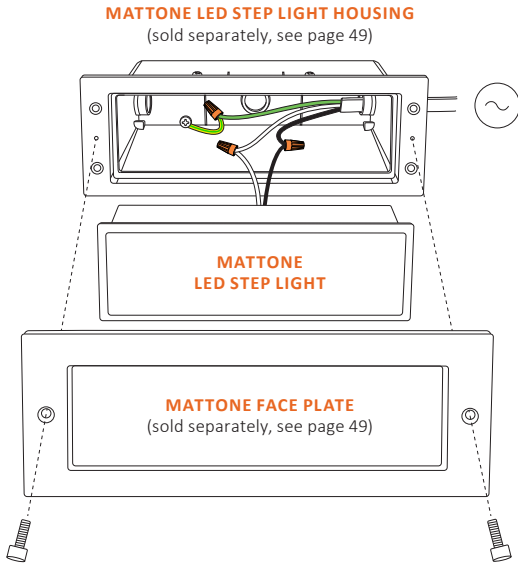
PRODUCT IMAGE	PRODUCT DESCRIPTION	SKU	COLOR	DIMENSIONS
	<b>FENCER Junction Box with On/Off Switch</b> This direct-wire junction box offers manual on/off switching for multiple SABER™ installations. Hard-wire only. Not compatible with power cables below.	DI-1305-WH	White	6.25 x 3.62 x 0.96 in.
	<b>FENCER Series SABER Occupancy Sensor</b> Save energy usage with your FENCER Series SABER™ Under Cabinet Fixtures with this advanced occupancy sensor from Diode LED. The sensor is sensitive to heat emitted by the human body and tracks the source of heat from one zone of detection to another to activate the On/Off switch inside.	DI-120V-SABER-MS-WH	White	8.07 x 3.72 x 1.48 in.
		DI-120V-SABER-MS-BZ	Dark Bronze	8.07 x 3.72 x 1.48 in.
	<b>FENCER Linkable End-to-End Connector</b> Seamlessly connects two sections of any length fixture together.	DI-1306-WH	White	0.8 x 0.67 x 0.44 in.
		DI-1306-BK	Black	0.8 x 0.67 x 0.44 in.
	<b>FENCER 6 in. Extension Cable</b> Perfect for jumping over gaps and obstructions in the installation or negotiating angles of any degree.	DI-1307-WH	White	6 x 0.66 x 0.42 in.
		DI-1307-BK	Black	6 x 0.66 x 0.42 in.
	<b>FENCER 12 in. Extension Cable</b>	DI-1308-WH	White	12 x 0.66 x 0.42 in.
		DI-1308-BK	Black	12 x 0.66 x 0.42 in.
	<b>FENCER 24 in. Extension Cable</b>	DI-1309-WH	White	24 x 0.66 x 0.42 in.
		DI-1309-BK	Black	24 x 0.66 x 0.42 in.
	<b>FENCER 72 in. Extension Cable</b>	DI-1310-WH	White	72 x 0.66 x 0.42 in.
		DI-1310-BK	Black	72 x 0.66 x 0.42 in.
	<b>FENCER 72 in. Power Cable with AC Plug</b> 120VAC plug-to-fixture connector cable.	DI-1311-WH	White	72 x 0.66 x 0.42 in.
		DI-1311-BK	Black	72 x 0.66 x 0.42 in.
	<b>FENCER 72 in. Power Cable with Hard-Wire Connection</b> 120VAC hard-wired connector cable.	DI-1312-WH	White	72 x 0.66 x 0.42 in.
		DI-1312-BK	Black	72 x 0.66 x 0.42 in.



MATTONE® Direct Wire LED Step Light



The MATTONE LED Step Light is a standard 12V brick-sized recessed LED light engine that is an excellent retrofit system for indoor and outdoor applications. MATTONE is designed by our engineers to work with 100-277V AC input and is UL Listed for commercial and residential installations.



SKU	CCT	CRI	LUMENS	DIMENSIONS
DI-MATB-LT-ENG	3200K	70+	90	7 x 2.3 x 2.3 in.



- FEATURES & BENEFITS**
- Standard “brick” size
  - 100-277V AC retrofit fixture
  - New or existing construction
  - Suitable for outdoor installations

QUICK SPECS	
Voltage	120VAC
Wattage per Fixture	3W
Light Beam Angle	110 degree
Environment	Outdoor/Indoor
Warranty	3-Year Limited
Certification	UL Listed 1598
Visit the product page on the website for specification sheets, install guides, and photometric reports.	



MATTONE® Direct Wire LED Step Light Accessories

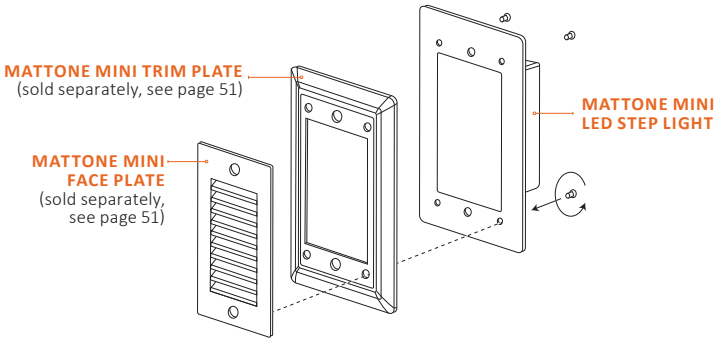
PRODUCT IMAGE	PRODUCT DESCRIPTION	SKU	FINISH
	<b>MATTONE Direct Wire LED Step Light Lensed Face Plate</b> For an installation that's flush with a wall. 7 x 2.3 x 0.5 in.	DI-MATB-LNPL-BN	Brushed Nickel
		DI-MATB-LNPL-DB	Dark Bronze
		DI-MATB-LNPL-WH	Powder White
	<b>MATTONE Direct Wire LED Step Light Louvered Face Plate</b> A classic design. 7 x 2.3 x 0.5 in.	DI-MATB-LVPL-BN	Brushed Nickel
		DI-MATB-LVPL-DB	Dark Bronze
		DI-MATB-LVPL-WH	Powder White
	<b>MATTONE Direct Wire LED Step Light Shroud Face Plate</b> Perfect for directional lighting. 7 x 2.3 x 0.5 in.	DI-MATB-SHPL-BN	Brushed Nickel
		DI-MATB-SHPL-DB	Dark Bronze
		DI-MATB-SHPL-WH	Powder White
	<b>MATTONE LED Step Light Housing</b> The MATTONE LED Step Light Housing seamlessly supports the MATTONE light engine and face plate (both sold separately). This light housing is constructed of die-cast zinc magnesium, designed with three knockouts.	DI-MATB-HOUS	-
<b>MATTONE Mounting Brackets</b> The set of two adjustable MATTONE Mounting Brackets is used to secure the MATTONE support housing between wall studs for MATTONE LED Step Light new construction installations. Each mounting bracket can be adjusted from 13.5" to 25.5" in length. Includes 8 mounting screws.			



MATTONE® MINI Direct Wire LED Step Light



The MATTONE MINI LED Step Light is a compact LED lighting engine rated for indoor and outdoor applications. The mix-and-match trim plates and face plates options allow the MATTONE MINI to provide step lighting as it blends into a space or while standing out as a stylish accent. This small sized light engine is a perfect recessed lighting fixture to accommodate applications with tight physical restrictions. Each MATTONE MINI Step Light utilizes a traditional single gang junction box and with its integrated driver, connects directly 100 -277V AC for an easy installation.



SKU	CCT	CRI	LUMENS	DIMENSIONS
DI-MATM-LT-ENG	<div></div> 3200K	70+	60 (Max.)	4.5 x 2.75 x 1.5 in.
DI-MATM-LT-ENG-40	<div></div> 4000K	70+	60 (Max.)	4.5 x 2.75 x 1.5 in.
DI-MATM-LT-ENG-50	<div></div> 5000K	70+	60 (Max.)	4.5 x 2.75 x 1.5 in.
DI-MATM-LT-ENG-AM	<div></div> Amber	-	60 (Max.)	4.5 x 2.75 x 1.5 in.
DI-MATM-LT-ENG-BL	<div></div> Blue	-	60 (Max.)	4.5 x 2.75 x 1.5 in.



- FEATURES & BENEFITS**
- New or existing construction
  - 100-240V AC retrofit fixture
  - Suitable for indoor and outdoor environments

QUICK SPECS	
Voltage	100-277V AC
Wattage per Fixture	1.5W
Light Beam Angle	110 degree
LED Chips per Fixture	12
Environment	Outdoor/Indoor
Warranty	3-Year Limited
Certification	UL Listed 1598

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



MATTONE® MINI Direct Wire LED Step Light Accessories

PRODUCT IMAGE	PRODUCT DESCRIPTION	SKU	FINISH
	<b>MATTONE MINI Mounting Trim</b> 4.75 x 3.0 x 0.36 in. (W x H x D)	DI-MATM-TR-BN	<div></div> Brushed Nickel
		DI-MATM-TR-DB	<div></div> Dark Bronze
		DI-MATM-TR-WH	<div></div> Powder White
	<b>MATTONE MINI Lensed Face Plate</b> 4.75 x 3.0 x 0.36 in. (W x H x D)	DI-MATM-LNPL-BN	<div></div> Brushed Nickel
		DI-MATM-LNPL-DB	<div></div> Dark Bronze
		DI-MATM-LNPL-WH	<div></div> Powder White
	<b>MATTONE MINI Vertical Louvered Face Plate</b> 4.75 x 3.0 x 0.36 in. (W x H x D)	DI-MATM-VLPL-BN	<div></div> Brushed Nickel
		DI-MATM-VLPL-DB	<div></div> Dark Bronze
		DI-MATM-VLPL-WH	<div></div> Powder White
	<b>MATTONE MINI Horizontal Louvered Face Plate</b> 4.75 x 3.0 x 0.36 in. (W x H x D)	DI-MATM-HLPL-BN	<div></div> Brushed Nickel
		DI-MATM-HLPL-DB	<div></div> Dark Bronze
		DI-MATM-HLPL-WH	<div></div> Powder White
	<b>MATTONE MINI Vertical Shroud Face Plate</b> 4.75 x 3.0 x 0.9 in. (W x H x D)	DI-MATM-VSPL-BN	<div></div> Brushed Nickel
		DI-MATM-VSPL-DB	<div></div> Dark Bronze
		DI-MATM-VSPL-WH	<div></div> Powder White
	<b>MATTONE MINI Horizontal Shroud Face Plate</b> 4.75 x 3.0 x 1.26 in. (W x H x D)	DI-MATM-HSPL-BN	<div></div> Brushed Nickel
		DI-MATM-HSPL-DB	<div></div> Dark Bronze
		DI-MATM-HSPL-WH	<div></div> Powder White
	<b>MATTONE MINI ARCHITECTURAL Mounting Trim</b> 4.69 x 2.93 x 0.36 in. (W x H x D)	DI-MATMA-TR-BN	<div></div> Brushed Nickel
		DI-MATMA-TR-DB	<div></div> Dark Bronze
		DI-MATMA-TR-WH	<div></div> Powder White
	<b>MATTONE MINI ARCHITECTURAL Vertical Louvered Face Plate</b> 3.94 x 2.25 x 0.24 in. (W x H x D)	DI-MATMA-VLPL-BN	<div></div> Brushed Nickel
		DI-MATMA-VLPL-DB	<div></div> Dark Bronze
		DI-MATMA-VLPL-WH	<div></div> Powder White
	<b>MATTONE MINI ARCHITECTURAL Horizontal Louvered Face Plate</b> 3.94 x 2.25 x 0.24in. (W x H x D)	DI-MATMA-HLPL-BN	<div></div> Brushed Nickel
		DI-MATMA-HLPL-DB	<div></div> Dark Bronze
		DI-MATMA-HLPL-WH	<div></div> Powder White
	<b>MATTONE MINI ARCHITECTURAL Vertical Louvered Wave Face Plate</b> 3.94 x 2.25 x 0.24 in. (W x H x D)	DI-MATMA-VLWPL-BN	<div></div> Brushed Nickel
		DI-MATMA-VLWPL-DB	<div></div> Dark Bronze
		DI-MATMA-VLWPL-WH	<div></div> Powder White
	<b>MATTONE MINI ARCHITECTURAL Horizontal Louvered Wave Face Plate</b> 3.94 x 2.25 x 0.24in. (W x H x D)	DI-MATMA-HLWPL-BN	<div></div> Brushed Nickel
		DI-MATMA-HLWPL-DB	<div></div> Dark Bronze
		DI-MATMA-HLWPL-WH	<div></div> Powder White





TRIAINT® LED Puck Light



The TRIANT LED Puck Light is a stylish and compact LED light that provides focused task or decorative lighting in any space. Engineered as a low-heat, energy efficient light source in an industrial grade aluminum body, TRIANT LED Pucks can modernize all aspects of a project. Featuring Samsung LEDs exclusive to Diode LED, TRIANT LED Pucks not only provide rich color rendering, but are also one of the highest light output fixtures available. Mounting accessories included.

UL Listed and designed to be used in either a surface mount or recessed application.

TRIAINT ACCESSORIES

Triant accessories can be found on page 91 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)

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



FEATURES & BENEFITS

- Sleek, sturdy aluminum housing with multiple finish options
- Exclusive, high performing Samsung LEDs
- Smooth and consistent dimming
- 90% less energy than traditional halogen or incandescent pucks
- UL Listed for residential and commercial applications

QUICK SPECS

Voltage	12VDC
Wattage per Fixture	3.92W / 326mA
Light Beam Angle	120 degree
Environment	Indoor
Dimensions	2.72 x 0.53 in.
Warranty	3-Year Limited
Certification	UL Listed 2108

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



SPOTMOD® 12V LED Fixture



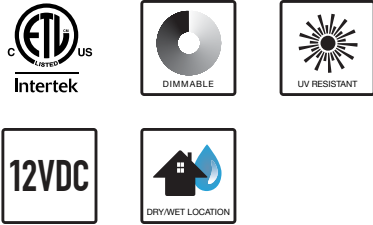
FEATURES & BENEFITS

- 15° spot or 45° flood
- Compact fixture
- Outdoor/indoor
- Low wattage
- Low heat

QUICK SPECS

Voltage	12VDC
Wattage per Fixture	2.13W / 176mA
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.



SPOTMOD ACCESSORIES

SPOTMOD accessories can be found on page 55 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)

SKU	BEAM ANGLE	CCT	CRI
DI-SPOT-SP30-15-BA	15°	<div></div> 3000K	82
DI-SPOT-SP30-45-BA	45°	<div></div> 3000K	82
DI-SPOT-SP50-15-BA	15°	<div></div> 5000K	66
DI-SPOT-SP50-45-BA	45°	<div></div> 5000K	66



SPOTMOD® Recessed Gimbal 12V LED Fixture



The SPOTMOD Recessed Gimbal 12V LED Fixture is a fully recessed LED light that adds bright, focused light to any home or business. This compact and dimmable indoor/outdoor LED fixture integrates seamlessly into cabinetry, shelving, and more. It’s available in a 15° beam angle for a focused spot light or a 45° beam angle for a broader flood light and has a wet location DC plug for safe and secure installation in dry or wet locations.

SPOTMOD ACCESSORIES

SPOTMOD accessories can be found on page 55 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)



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
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.



SKU	BEAM ANGLE	CCT	CRI
DI-SPOT-RG30-15-BA	15°	3000K	82
DI-SPOT-RG30-45-BA	45°	3000K	82
DI-SPOT-RG50-15-BA	15°	5000K	66
DI-SPOT-RG50-45-BA	45°	5000K	66

SPOTMOD® Fixture & SPOTMOD® Recessed Gimbal Accessories

Class 2 amp rating: 60W/5A @ 12VDC; 96W/4A @ 24VDC (unless otherwise noted).



Wet Location Splice Connector Pair

One pair is included with strip light. Connector pair includes both male and female connectors.  
Dimensions: 0.3 in. (W)

SKU	QUANTITY
DI-0725	1 Pair
DI-0725-25	25 Pairs

FEATURES & BENEFITS

- Wet or dry environments
- Durable and flexible



Wet Location Male to Female Extension Cables

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

QUANTITY	6 IN.	12 IN.	24 IN.
Single	DI-0757	DI-0758	DI-0759
25	DI-0757-25	DI-0758-25	DI-0759-25

FEATURES & BENEFITS

- Wet or dry environments
- Durable and flexible



Wet Location Splitter Plug Connector

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

QUANTITY	2-WAY	3-WAY	5-WAY
Single	DI-0804	DI-0805	DI-0806
25	DI-0804-25	DI-0805-25	DI-0806-25

FEATURES & BENEFITS

- Wet or dry environments
- Durable and flexible



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)

QUANTITY	MALE	FEMALE
Single	DI-0710M	DI-0710F
25	DI-0710M-25	DI-0710F-25

FEATURES & BENEFITS

- Wet or dry environments
- Durable and flexible





# SPOTMOD<sup>®</sup>

## TILE & LINK LED Fixtures

We proudly introduce the next additions to the SPOTMOD<sup>®</sup> family: SPOTMOD TILE and SPOTMOD LINK. Both fixtures feature exceptional color rendering with 90+ CRI values and architectural grade styling with slim, ultra-sleek profiles. The single LED “Chip-on-Board” design provides a single light source shadow that is ideal for modern and sophisticated applications. Each lightweight fixture delivers 220+ lumens of light making them ideal for under cabinet and display lighting applications.

### SPOTMOD<sup>®</sup> TILE

This ultra-bright and low-profile fixture can be easily surface mounted onto most surfaces with only two enclosed screws.



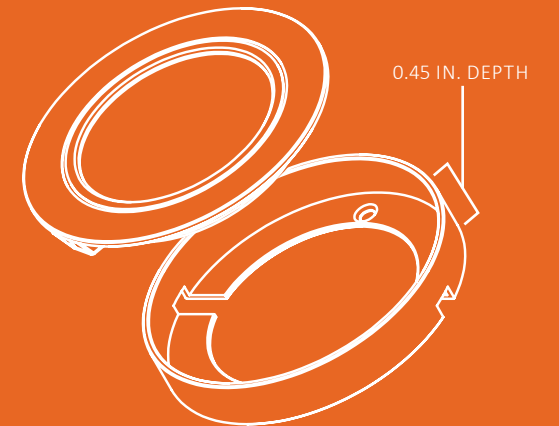
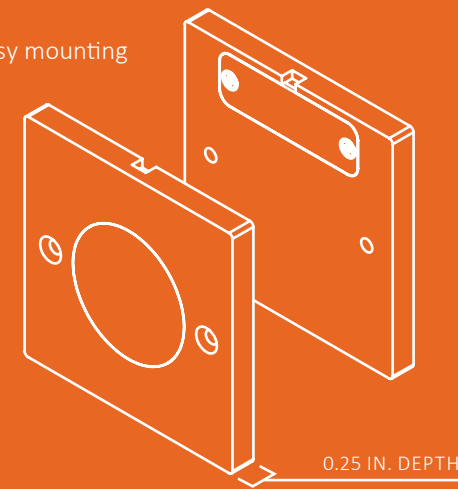
### SPOTMOD<sup>®</sup> LINK

The SPOTMOD LINK features daisy chain connectors for multi-fixture installations (up to seven) and can be surface mounted or recess mounted.



### SPOTMOD TILE

Slim design and easy mounting



### SPOTMOD LINK

Detachable mounting ring for recessed installations

## SPOTMOD<sup>®</sup> LINK & TILE Accessories

### FEATURES & BENEFITS

- 90+ CRI: High R9-R14 values
- High lumen output
- Modern and resilient aluminum designs
- Easy to install

### QUICK SPECS

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

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



**SPOTMOD LINK 1ft. 2-pin (male) to DC (female) Adapter Cable**  
**SKU: DI-SPOT-LK-ADP**  
 Dimensions: 12 x 0.45 in. (L x Dia)  
 Color: White



**SPOTMOD TILE 1ft. 2-pin (female) to DC (female) Adapter Cable**  
**SKU: DI-SPOT-TL-ADP**  
 Dimensions: 12 x 0.45 in. (L x Dia)  
 Color: White



**SPOTMOD TILE Power Distribution Splitter Box, 6-way**  
**SKU: DI-SPOT-TLSP6**  
 Dimensions: 3 x 1 x 0.5 in. (L x W x H)  
 Color: White



**SPOTMOD TILE and LINK 5 ft 2-pin male to female Extension Cable**  
**SKU: DI-SPOT-5EXT**  
 Dimensions: 60 x .25 x .25 in. (L x W x H)  
 Color: White

### SPOTMOD TILE



#### FINISHES

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

### SPOTMOD LINK



#### FINISHES

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



PURALIGHT® 12V LED Light Modules



The PURALIGHT Ultra Bright Light Modules come in multi-unit strands of waterproof, durable PVC-housed modules with tape backing for easy weatherproof mounting. These modules have the ability to bend and twist into any configuration supporting various applications. PURALIGHT permanently adheres to wood, metal, and most plastics, including polypropylene. PURALIGHT adds fit-anywhere illumination for any lighting project.

The installation flexibility makes it a superior alternative to neon or fluorescent tubes. Offered in daylight white or color-changing RGB, these durable, affordable light modules simplify lighting architectural accents, work areas, linear covers, light boxes, and sights. A five-year warranty and an IP68 rating promote peace of mind for an installation that stands the test of time.

PROJECT DESIGN SUPPORT

To simplify lighting designs using PURALIGHT Light Modules, Diode LED offers a high-value service with Sign Wizard™. Customers can submit project artwork and the advanced software calculates the exact number of light modules and the correct power supply needed to achieve high impact project illumination. The result is an accurate lighting design and quote that gives designers and contractors the exact light module layout, accurate project costing, and a printout to submit with permit applications.

FEATURES & BENEFITS

- Six unique models
- Durable and flexible form factor
- Multi-unit module strands
- Ultra-bright light output
- Color changing RGB option
- Indoor/outdoor rated
- 5-Year warranty

QUICK SPECS

Voltage	12VDC
Light Beam Angle	120°
Environment	Outdoor/Indoor

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



SIGN LETTER MOUNTING



POWERED SIGN LETTER



THE FINISHED SIGN LETTER

MONOBRIGHT™ LED Light Module



SKU	VOLTAGE	LED CHIPS PER FIXTURE	LUMENS PER FIXTURE	WATTAGE PER FIXTURE	CCT	DIMENSIONS
DI-12V-MB65	12VDC	1	20	0.28W	6500K	1.18 x 0.53 x 0.31 in.

DUOBRIGHT™ LED Light Module



SKU	VOLTAGE	LED CHIPS PER FIXTURE	LUMENS PER FIXTURE	WATTAGE PER FIXTURE	CCT	DIMENSIONS
DI-12V-DB65	12VDC	2	36	0.48W	6500K	2.4 x 0.55 x 0.28 in.

TRIOBRIGHT™ LED Light Module



SKU	VOLTAGE	LED CHIPS PER FIXTURE	LUMENS PER FIXTURE	WATTAGE PER FIXTURE	CCT	DIMENSIONS
DI-12V-TB65	12VDC	3	50	0.72W	6500K	3.6 x 0.55 x 0.28 in.

TRIOBRIGHT TILE LED Light Module



SKU	VOLTAGE	LED CHIPS PER FIXTURE	LUMENS PER FIXTURE	WATTAGE PER FIXTURE	CCT	DIMENSIONS
DI-12V-TT65	12VDC	3	50	0.72W	6500K	1.42 x 1.42 x 0.16 in.

TRIOBRIGHT MINI LED Light Module



SKU	VOLTAGE	LED CHIPS PER FIXTURE	LUMENS PER FIXTURE	WATTAGE PER FIXTURE	CCT	DIMENSIONS
DI-12V-TM65	12VDC	3	18	0.24W	6500K	1.97 x 0.4 x 0.12 in.

TRIOBRIGHT RGB LED Light Module



SKU	VOLTAGE	LED CHIPS PER FIXTURE	LUMENS PER FIXTURE	WATTAGE PER FIXTURE	CCT	DIMENSIONS
DI-12V-TRGB	12VDC	3	14 max.	0.72W	RGB	1.18 x 0.53 x 0.31 in.



# SPECIFORM®

## Mass Production for Easy Installation



Specify your exact lighting requirements for unique lighting projects.



Perfect solution for large scale rollout.



### SPECIFORM IS PERFECT FOR...








- Home lighting
- Retail and display
- Casinos
- Offices
- Residential builders
- Hotel and hospitality
- Restaurants and bars
- Hospitals
- And more..

### YOUR SPECS (customized by you)

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

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

### MODEL 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.



**ORDERING NOTE:** pricing and lead-time are based on project scale.

**Talk to a sales representative today to find out more about SPECIFORM.**  
877.817.6028 or visit the product page at [www.DiodeLED.com](http://www.DiodeLED.com)

## MAKE THE LIGHT FIT YOUR PROJECT. NOT 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 up to 4 inch to 4 foot lengths
- Up to 16 feet of linear light
- The widest selection of color temperatures
- Choose your brightness
- 12VDC or 24VDC options
- Multiple mounting options
- Quick turnaround



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







BROADWAVE® LED Wall Washer

The BROADWAVE is our longest and slimmest LED wall washer. It hugs close to the wall, and transforms a room with an amazing LED light show. This UL Listed wall washer can accommodate any lighting need, whether a party that calls for strong, dramatic lighting, or simply for mood lighting.

SKU	LENGTH	CCT	LUMENS PER FIXTURE
DI-BRW-6045-18	18 in.		6000K 827
DI-BRW-RGB45-18	18 in.		RGB 423 max.
DI-0454	49 in.		6000K 2,318
DI-0450	49 in.		RGB 1,203 max.

FEATURES & BENEFITS

- Color-changing RGB or cool white
- Water resistant
- Stand-alone or programmable
- Mountable on any flat surface
- UL Listed 153



SPHERE-STAR™ PAR 64 LED Wall Washer

The SPHERE-STAR PAR 64 LED Wall Washer is a bright LED fixture that will add dynamic lighting to any event. It is water resistant and wet location rated, so it can be used as both indoor and outdoor accent lighting. It can be mounted on any flat surface, including ceilings, and features a base allowing for 180° of adjustment. The SPHERE-STAR PAR 64 Wall Wash is available with a tight 15° light beam angle that gives it a projection distance of 65 feet. Each fixture is made of light but strong aluminum alloy and comes with heatshrink sleeves that create waterproof connections.

SKU	CCT	LUMENS PER FIXTURE
DI-0475		6000K 2,467
DI-0471		RGB 1,326 max.

FEATURES & BENEFITS

- Color-changing RGB or cool white
- 65 ft. projection distance
- Water resistant
- Tight spotlight
- UL Listed 153



SPLASHLIGHT® Rectangular LED Wall Washer

The SPLASHLIGHT Rectangular LED Wall Washer is a powerful fixture that will brighten, enhance, and add visual interest to any large space. This color-changing LED flood light is commonly used in architectural settings, both indoors and outdoors, to decorate spaces and to highlight buildings, gardens, restaurants, and even stage sets by producing a bright and dynamic environment. The head of the LED wall light can be swiveled side to side 30° in either direction, and rotated up or down a full 150°, so you can aim it in virtually any direction.

SKU	CCT	LUMENS PER FIXTURE
DI-0480		RGB 1,304 max.

FEATURES & BENEFITS

- Sturdy aluminum construction
- Color-changing RGB
- Adjustable base
- Water resistant and dustproof
- UL Listed 153



Wall Washer Accessories

PRODUCT IMAGE	SKU	PRODUCT DESCRIPTION	DIMENSIONS
	DI-1809	<b>20 ft. DMX XLR-3 Extension Cable</b> Creates an extension between DMX fixtures and accessories. Features XLR-3 connections.	Male connection: 2.8 x .71 in. (L x Dia.) Female: 2.4 x .71 in. (L x Dia.)
	DI-0820 (female) DI-0821 (male)	<b>Wireless DMX Transmitter/Receiver</b> Wirelessly connects DMX devices via XLR-3 connection: <ul style="list-style-type: none"><li>• Fixture to fixture</li><li>• Controller to fixture</li><li>• Decoder to decoder</li></ul>	4.75 x 1.3 x 0.9 in. (L x W x H)
	DI-1803	<b>DMX XLR-3 Connector Pair</b> Utilize this XLR-3 connector pair to create custom length DMX extensions. Sold by the pair (male/female).	Male: 2.8 x .71 in. (L x Dia.) Female: 2.4 x .71 in. (L x Dia.)
	DI-1806	<b>XLR-3 to RJ45 Adapter Connector Pair</b> Converts RJ45 data cables to XLR-3 DMX connections. Sold by the pair (male/female).	Male & Female: 2.58 x .87 x .98 in. (L x W x H)
	DI-1811	<b>XLR-3 to RJ45 Adapter Cable Pair</b> Converts RJ45 port of 4-Channel DMX Decoder to a standard XLR-3 connection. Included with each 4-Channel Decoder and also sold separately. Sold by the pair (male/female).	20 x .71 in. (L x Dia)
	DI-1804	<b>DMX 8-Way Splitter</b> Amplifies and splits a DMX signal up to 8 ways. Features 1x male XLR-3 input connection, and 8x female XLR-3 output connections.	7.75 x 3.98 x 1.78 in. (L x W x H)
	DI-1916	<b>DMX 8-Way Splitter Kit</b> The DMX XLR-3 8-Way Splitter Kit is a quick and easy way to buy the accessories needed to control multiple DMX wall washers with a single DMX controller (sold separately). <ul style="list-style-type: none"><li>• 1 x DMX XLR-3 8-Way Splitter</li><li>• 1 x 12 Watt 12VDC Driver</li><li>• 1 x male DC Plug Splice Cable</li></ul>	

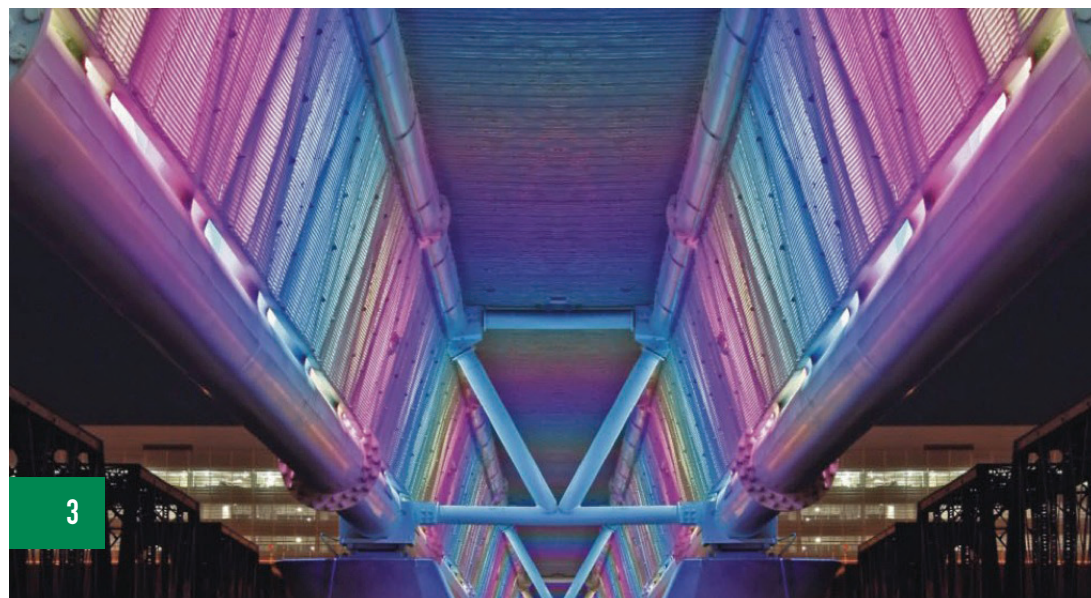




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5

# 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.

## 1 NICOLAUDIE LED CONTROL SYSTEMS

Use DMX lighting for total home automation. (Page 69)

## 2 DMX WALL MOUNT CONTROLLER

Create custom event or holiday themes with LED lighting. (Page 69)

## 3 LARGE-SCALE COLOR CONTROL

DMX Control systems can connect with our LED Wall Washers (62) for large-scale lighting projects. (Page 69)

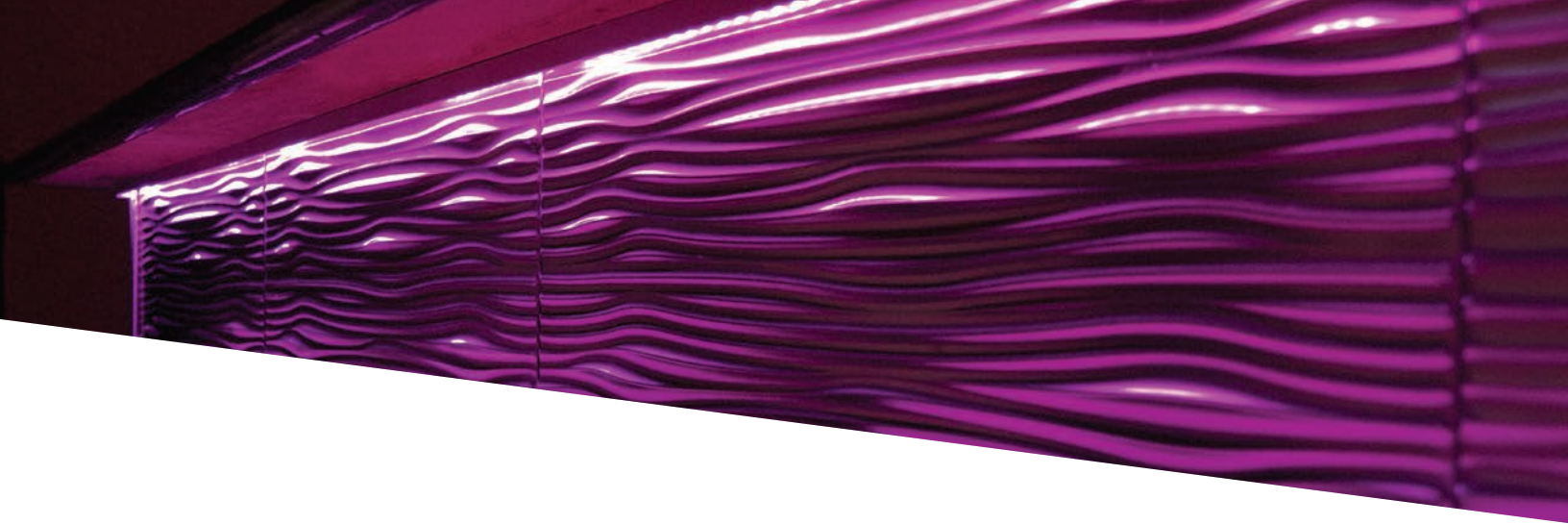
## 4 ATTRIBUTE™ COLOR CONTROL SYSTEM

Have fast and easy color control of a room at the touch of a button. (Page 67)

## 5 TOUCHDIAL™ WIFI CONTROL SYSTEM

Use your mobile device to control lighting in split locations. (Page 66)





# TOUCHDIAL™

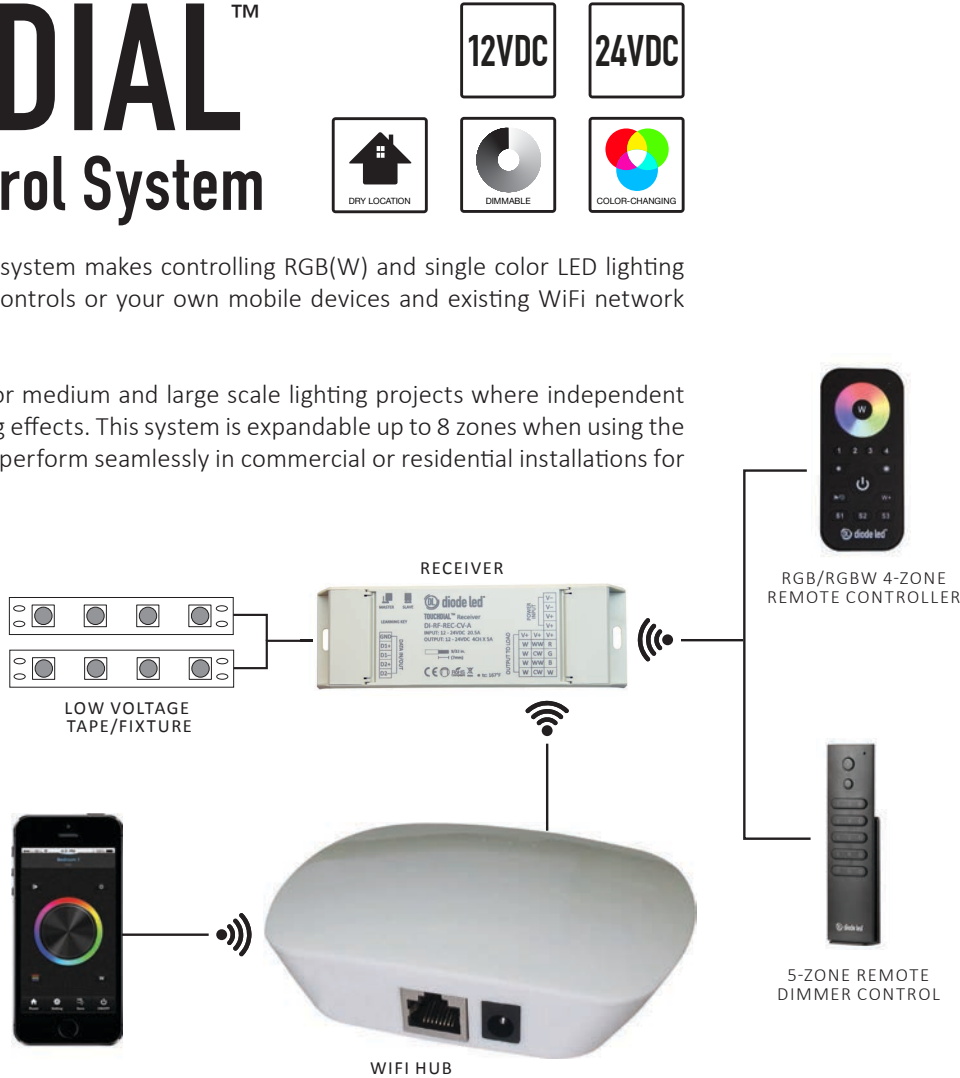
## WiFi Color Control System

The new TOUCHDIAL zone control system makes controlling RGB(W) and single color LED lighting simple. Use the easy TOUCHDIAL controls or your own mobile devices and existing WiFi network with the TOUCHDIAL WiFi Hub.

This color control system is ideal for medium and large scale lighting projects where independent zones require unique color changing effects. This system is expandable up to 8 zones when using the WiFi Mobile App, allowing zones to perform seamlessly in commercial or residential installations for ultimate lighting control.

### FEATURES & BENEFITS

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



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

For more details visit the Product page at [www.DiodeLED.com](http://www.DiodeLED.com)

## COLOR CONTROLLERS

### ATTRIBUTE™ Color Controller



REMOTE CONTROL      CONTROL RECEIVER

The ATTRIBUTE Color Controller for RGB and RGB(W) LED lighting is affordable, flexible, and easy to install. This single zone control system makes adding color to any environment effortless.

Use the color wheel on the Radio Frequency (RF) remote control to pick the perfect color or choose 1 of the 10 dynamic color modes available through the remote. No need of a computer and no complex programming.

ATTRIBUTE takes the complexity out of color control and is exclusive to Diode LED.

### FEATURES & BENEFITS

- For small-scale LED lighting installations



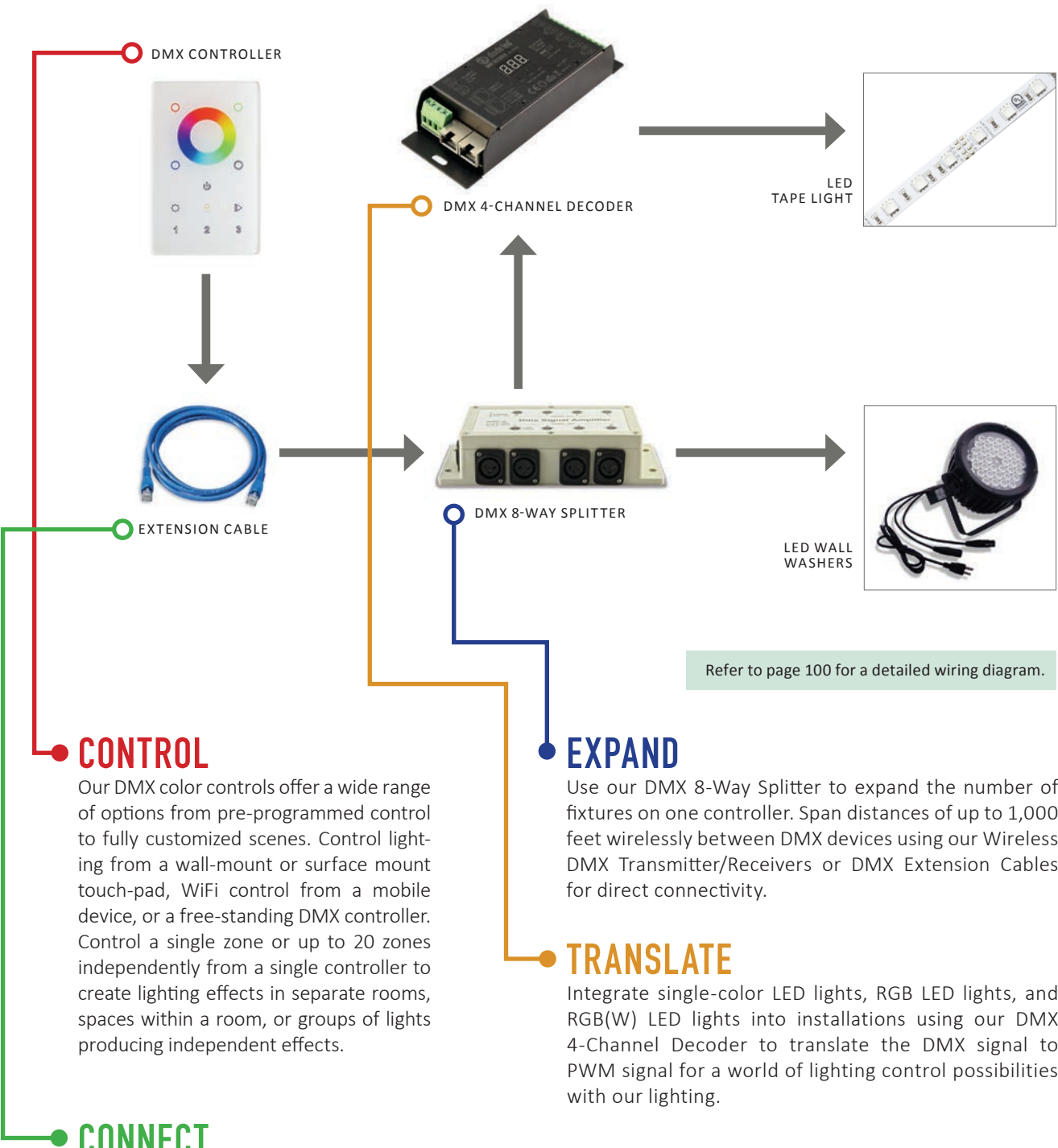
SKU	TYPE
DI-ATT-RGBW-REM	ATTRIBUTE RGB(W) Receiver and Remote Controller



Why Use DMX?

- Fully customized lighting
- Flexible accessories
- Technical Support services available
- Control multiple zones or rooms
- Diode LED custom offerings

**DMX CUSTOM PROGRAMMING**  
We offer custom DMX programming for your unique lighting application with any of our DMX lighting and controllers.



CONTROL

Our DMX color controls offer a wide range of options from pre-programmed control to fully customized scenes. 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 20 zones independently from a single controller to create lighting effects in separate rooms, spaces within a room, or groups of lights producing independent effects.

CONNECT

Directly connect DMX Controller to any of our DMX Wall Washers or other DMX fixtures supporting DMX512 for master control of simple color changes across all DMX fixtures, or streaming fully customized scenes independently on each fixture.

EXPAND

Use our DMX 8-Way Splitter to expand the number of fixtures on one 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.

TRANSLATE

Integrate single-color LED lights, RGB LED lights, and RGB(W) LED lights into installations using our DMX 4-Channel Decoder to translate the DMX signal to PWM signal for a world of lighting control possibilities with our lighting.



DMX LED Controllers



DMX Wall Mount Controller

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

SKU	INPUT	DIMENSIONS
DI-DMX-WIFI-WMUS-3Z-WH	12-24VDC	4.72 x 2.95 x 1.15 in.

FEATURES & BENEFITS

- iOS & Android compatible
- 3 zones
- Fits in a single gang box



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	INPUT	DIMENSIONS
DI-DMX-GA2	9V DC	4.43 x 3.38 x 0.39 in.

FEATURES & BENEFITS

- DMX controller
- Easy to use
- Touch-sensitive pad
- Fits in a single gang box



Nicolaudie STICK 1 Wall Mount 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	INPUT	DIMENSIONS
DI-DMX-ST1	9V DC	6.61 x 5.03 x 0.50

FEATURES & BENEFITS

- iOS and Android compatible
- Memory of up to 200 scenes
- Fits in a single gang box



Nicolaudie Easy Stand Alone DMX LED Color Controller

This LED controller creates light shows with customized color-changing patterns, speed, and brightness levels.

SKU	INPUT	DIMENSIONS
DI-DMX-ESA	5V DC	3.11 x 2.95 x 1.70

FEATURES & BENEFITS

- Create custom light shows
- Software included
- Built-in memory





DMX Accessories

PRODUCT IMAGE	SKU	PRODUCT DESCRIPTION	DIMENSIONS
	DI-1810	<b>DMX 4-Channel Decoder</b> Pair with a DMX controller to control solid color, RGB, and RGBW LED fixtures. Features a digital display for easy addressing.	6.50 x 2.40 x 1.24 in. (L x W x H)
	DI-1805	<b>RJ45 Splice Cable</b> Lead wires connect to wall-mount DMX controllers while RJ45 plug connects to DMX accessories.	6.5 x .4 x .6 in. (L x W x H)
	DI-1911	<b>RJ45 Extension Cable</b> Creates a 10 ft. extension between DMX fixtures and accessories utilizing RJ45 connections.	10 ft. length
	DI-1807	<b>RJ45 Coupler</b> Female-to-female accessory quickly connects two RJ45 accessories.	1.22 x .44 x .87 in. (L x W x H)
	DI-1806	<b>XLR-3 to RJ45 Adapter Connector Pair</b> Converts RJ45 data cables to XLR-3 DMX connections. Sold by the pair (male/female).	Male & Female: 2.58 x .87 x .98 in. (L x W x H)
	DI-1811	<b>XLR-3 to RJ45 Adapter Cable Pair</b> Converts RJ45 port of 4-Channel DMX Decoder to a standard XLR-3 connection. Included with each 4-Channel Decoder and also sold separately. Sold by the pair (male/female).	20 x .71 in. (L x Dia)

PRODUCT IMAGE	SKU	PRODUCT DESCRIPTION	DIMENSIONS
	DI-1809	<b>20 ft. DMX XLR-3 Extension Cable</b> Creates an extension between DMX fixtures and accessories. Features XLR-3 connections.	Male connection: 2.8 x .71 in. (L x Dia.) Female: 2.4 x .71 in. (L x Dia.)
	DI-0820 (female) DI-0821 (male)	<b>Wireless DMX Transmitter/Receiver</b> Wirelessly connects DMX devices via XLR-3 connection: <ul style="list-style-type: none"><li>• Fixture to fixture</li><li>• Fixture to controller</li><li>• Decoder to decoder</li></ul>	4.75 x 1.3 x 0.9 in. (L x W x H)
	DI-1803	<b>DMX XLR-3 Connector Pair</b> Utilize this XLR-3 connector pair to create custom length DMX extensions. Sold by the pair (male/female).	Male: 2.8 x .71 in. (L x Dia.) Female: 2.4 x .71 in. (L x Dia.)
	DI-1804	<b>DMX 8-Way Splitter</b> Amplifies and splits a DMX signal up to 8 ways. Features 1x male XLR-3 input connection, and 8x female XLR-3 output connections.	7.75 x 3.98 x 1.78 in. (L x W x H)
	DI-1916	<b>DMX 8-Way Splitter Kit</b> The DMX XLR-3 8-Way Splitter Kit is a quick and easy way to buy the accessories needed to control multiple DMX wall washers with a single DMX controller (sold separately).  <b>Kit includes:</b> <ul style="list-style-type: none"><li>1 x DMX XLR-3 8-Way Splitter</li><li>1 x 12 Watt 12VDC Driver</li><li>1 x male DC Plug Splice Cable</li></ul>	7.75 x 3.98 x 1.78 in. (L x W x H)





# POWER SUPPLIES, SWITCHES & DIMMERS

Diode LED offers a wide selection of LED drivers for many types of installations.

## 1 0-10V DIMMABLE DRIVERS

Use 0-10V power supplies for industrial or commercial lighting. (Page 86)

## 2 OMNIDRIVE® DIMMABLE LED DRIVER

Superior performance for smooth, flicker-free dimming in LED lighting systems. (Page 80)

## 3 SWITCHEX® DIMMER + DRIVER

With an LED driver and an LED dimmer switch integrated together, installation is easier than ever before. (Page 78)

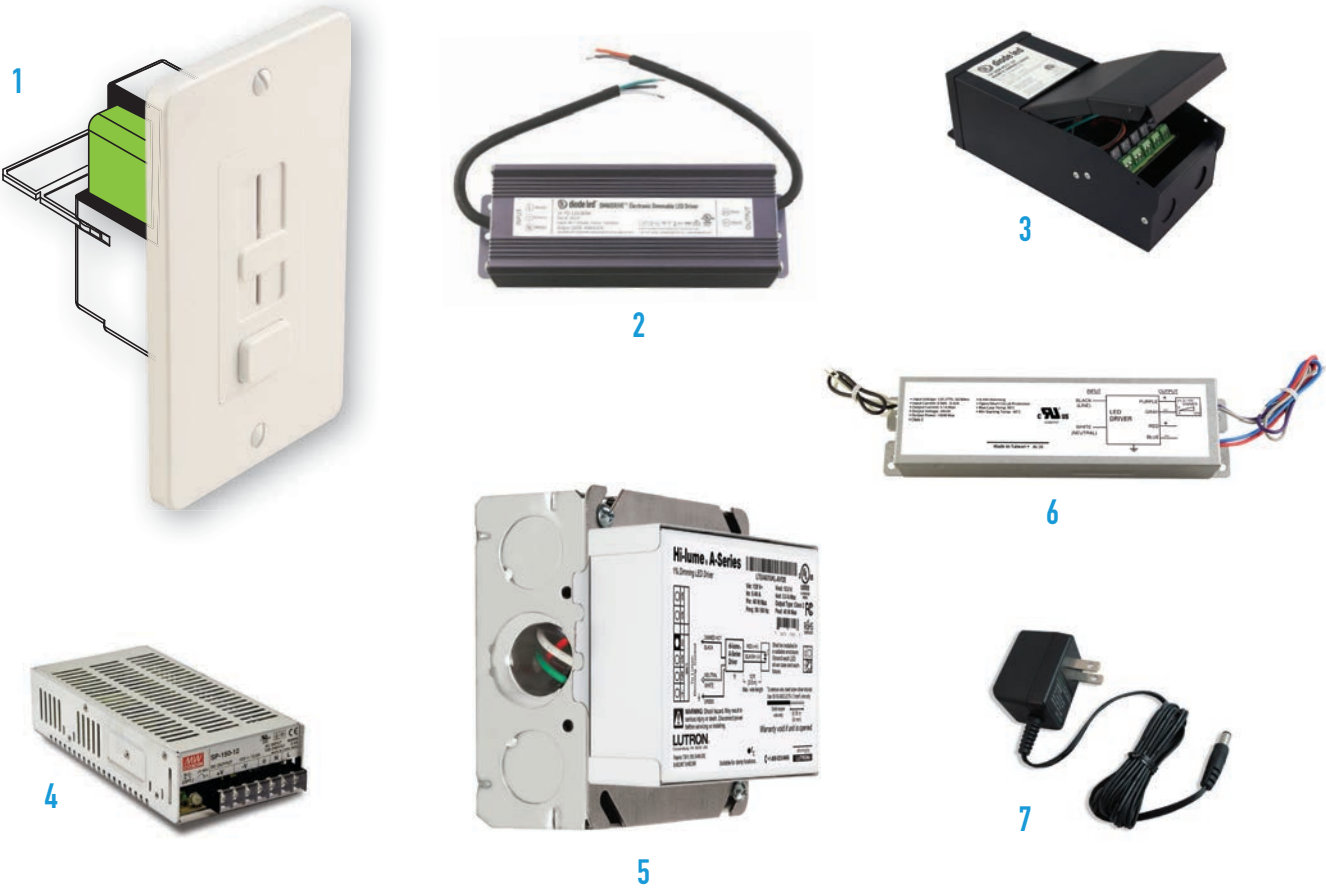
## 4 CONSTANT VOLTAGE LED DRIVERS

When considering color changing LED lighting, use constant voltage drivers. (Page 82)

## 5 LUTRON® HI-LUME™ DIMMABLE DRIVERS

The Hi-lume drivers are specifically engineered to work with a full range of Lutron® controls. (Page 86)





SELECT YOUR POWER SUPPLY:

- 1 | SWITCHEX® LED Dimmer and Driver: Page 78**

Only product on the market, this wall mounted dimmer switch is also the LED driver. This makes LED installation easier than ever, and that saves time and money.
- 2 | OMNIDRIVE® Electronic Dimmable Drivers: Page 80**

Flicker-free dimming for LED lighting systems dimmed with a wide range of controls. The OMNIDRIVE Series is compatible with the following dimmer switch types: magnetic low voltage (MLV), compact fluorescent/LED (CFL/LED), incandescent/halogen (INC/HAL), and electronic low voltage (ELV).
- 3 | Magnetic Dimmable LED Drivers: Page 81**

The most common solution for dimmable 12V and 24V LED systems requiring compatibility with a variety of 120V AC TRIAC-type MLV (Magnetic Low Voltage) dimmer switches.
- 4 | Constant Voltage LED Drivers: Page 82**

These may be paired with an on/off switch or many of our RGB or DMX color controllers. Hard-wired constant voltage drivers are available in 12V and 24V with a variety of wattage capacities. For dimming, use the REIGN® Dimmer Switch.

- 5 | Lutron® Hi-lume™ 1% LED Drivers: Page 86**

These are engineered specifically to operate with a variety of Lutron® controls, and offer superior dimming performance. 12V and 24V models feature compatibility across a variety of Lutron® systems.
- 6 | 0-10V Dimmable LED Drivers: Page 86**

These are used for commercial installations using low-voltage 12V and 24V lighting. Use these drivers when compatibility with 0-10V dimming control is required.
- 7 | Plug-In LED Adapters: Page 88**

These plug directly into a standard 120V AC electrical receptacle, making them perfect for short-term 12V and 24V installations. Each adapter has a male DC plug connection that attaches directly to all of our inline dimmers, switches, and accessories on **page 91**.



Understanding Drivers & Dimming

**CHOOSING AN APPROPRIATE DRIVER TYPE**

LED Drivers convert 100V-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™ Electronic Dimmable Driver
	ELV (Electronic Low Voltage) dimmers	OMNIDRIVE™ Electronic Dimmable Driver
	Compact fluorescent/LED (CFL/LED)	OMNIDRIVE™ Electronic Dimmable Driver
	0-10V dimming control systems	0-10V Dimmable Driver
	Incandescent/halogen (INC/HAL)	OMNIDRIVE Electronic Dimmable Driver
	Lutron® Electronics-specific dimmers and control systems	Hard-Wired Magnetic Dimmable Driver Lutron® Hi-Lume® A-Series Dimmable Driver
Temporary	Inline switches, dimmers, and RGB/DMX controls	Other control or home automation systems Contact Customer Support for options
		Plug-In LED Adapter (LED Driver)
		Commercial Grade Plug-in Drivers

Each type of driver has a unique dimmer/control compatibility list. To determine compatibility with dimming or lighting controls, check the compatibility guide on each driver product page at [www.DiodeLED.com](http://www.DiodeLED.com).

**INSPECTIONS**

Any LED lighting project that undergoes inspection will be evaluated on a number of factors. The power supply, wiring, and junction box may require Class 2 compliance and the lighting installed will need to be UL or ETL Listed.

**CLASS 2 POWER SUPPLY**

The National Electric Code (NEC) defines a Class 2 circuit as that portion of the wiring system between the load side of a Class 2 power supply (LED driver) and the connected equipment (LED Luminaire). A Class 2 compliant circuit is considered safe from fire initiation, and provides protection from electrical shock.

LED drivers that comply with the Class 2 regulation must be labeled as “Class 2”. See the chart below for Class 2 limitations.

VOLTAGE	MAXIMUM CURRENT	MAXIMUM POWER
12V	5A limit	Up to 60W
24V	4A limit	Up to 100W

- Installation Tip: When your 12V projects exceed the 60W limit:**
- Install several 12V drivers to satisfy large wattage needs
  - Install a high-wattage multi-tap driver to maintain the Class 2 rating

**WIRING AND JUNCTION BOXES**

NEC compliance requires Class 1 circuits (up to 600V) and Class 2 circuits to be separated within a junction box. Our LO-PRO™ Junction Box (DI-0980) is one example of how to separate high-voltage and low-voltage wiring within the same enclosure.

**Compliance Note:** Complying with these guidelines does not guarantee that the installation will pass inspection. We advise customers to consult with a qualified electrician or their local building department to ensure that their projects will meet all code requirements.



# Diode LED Power Supplies Product Comparison Chart

Use the chart below to compare the entire line of our power supplies and find out what works best for you.

PRODUCT	SKU	OUTPUT VOLTAGE	INPUT VOLTAGE	WATTAGE	COMPATIBLE DIMMERS & CONTROL SYSTEMS	ENVIRONMENT	PAGE		
<b>SWITCHEX® Driver + Dimmer Switch</b> SWITCHEX combines a LED dimmer switch and LED power supply into a single integrated unit.	DI-12V-SE-40W	12VDC	120VAC	40W	Integrated LED Dimmer & LED Power Supply	Indoor	78		
	DI-12V-SE-60W		120VAC	60W			78		
	DI-24V-SE-60W	24VDC	120VAC	60W	No Additional LED Driver Required		78		
	DI-24V-SE-100W		120VAC	100W			78		
<b>OMNIDRIVE® Electronic Dimmable Drivers</b> Compatible with the wider range of dimmers, with a built-in filter that eliminates flickering. OMNIDRIVE offers truly superior dimming performance for powering LED lighting.	DI-TD-12V-10W	12VDC	90-135VAC	10W	MLV Dimmers, ELV Dimmers, Incandescent/Halogen Dimmers	Indoor	80		
	DI-TD-12V-20W		90-135VAC	20W			80		
	DI-TD-12V-30W		90-135VAC	30W			80		
	DI-TD-12V-45W		90-135VAC	45W			80		
	DI-TD-12V-60W		90-135VAC	60W			80		
	DI-TD-12V-80W	24VDC	90-135VAC	80W		Indoor/Outdoor	80		
	DI-TD-12V-120W		90-135VAC	120W			80		
	DI-TD-24V-10W		90-135VAC	10W			Indoor	80	
	DI-TD-24V-20W		90-135VAC	20W				80	
	DI-TD-24V-30W		90-135VAC	30W				80	
	DI-TD-24V-45W		90-135VAC	45W				80	
	DI-TD-24V-60W		90-135VAC	60W				Indoor/Outdoor	80
	DI-TD-24V-80W		90-135VAC	80W			80		
	<b>Magnetic Dimmable Drivers</b> These dimmable drivers enable installation of low voltage LED fixtures and can be dimmed with a 120V MLV dimmer switch.	DI-0920	12VDC	120VAC		20W	MLV Dimmers	Indoor/Outdoor	81
DI-DM-12V40W		120VAC		40W	81				
DI-0922		120VAC		60W	81				
DI-0925		120VAC		100W	81				
DI-DM-12V120W-MT		120VAC		120W Multi-Tap	81				
DI-DM-12V180W-MT		24VDC	120VAC	180W Multi-Tap	81				
DI-0923			120VAC	200W	81				
DI-DM-12V300W-MT			120VAC	300W Multi-Tap	81				
DI-DM-24V40W			120VAC	40W	81				
DI-0956			120VAC	96W	81				
<b>Lutron® Hi-lume™ 1% Dimmable LED Drivers</b> Provides smooth, flicker free dimming with the use of Lutron® MLV & ELV controls for 12V and 24VDC sources up to 40W.	DI-DM-12V40W-L3D	12VDC	120-277VAC	5-40W	MLV Dimmers, ELV Dimmers	Indoor	86		
	DI-DM-12V40W-LTE		120VAC	5-40W			86		
	DI-DM-24V40W-L3D	24VDC	120-277VAC	5-40W			86		
	DI-DM-24V40W-LTE		120VAC	5-40W			86		
<b>0-10V Dimmable Driver</b> 0-10V Drivers are essential components for retrofitting low voltage LED fixtures in 0-10V control systems.	DI-DM-12V60W-0-10V	12VDC	100-277VAC	60W	0-10V Dimmers	Indoor/Outdoor	86		
	DI-DM-24V100W-0-10V	24VDC	100-277VAC	100W			86		

PRODUCT	SKU	OUTPUT VOLTAGE	INPUT VOLTAGE	WATTAGE	COMPATIBLE DIMMERS & CONTROL SYSTEMS	ENVIRONMENT	PAGE		
<b>Constant Voltage Drivers</b> Use a Constant Voltage LED Driver to power your low voltage LED tape light and fixtures.	DI-0941	12VDC	100-240VAC	12W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Indoor/ Outdoor	82		
	DI-0904		100-240VAC	20W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers		82		
	DI-0939		100-240VAC	25W	On/Off Switches		82		
	DI-0918		100-240VAC	35W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers		82		
	DI-0906		100-240VAC	60W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers		82		
	DI-DV-12V60W-277	24VDC	120-277VAC	60W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Indoor	82		
	DI-0908		100-240VAC	150W	On/Off Switches		82		
	DI-0909		100-240VAC	200W	On/Off Switches		82		
	DI-0928		100-240VAC	300W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers		82		
	DI-0970		100-240VAC	35W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers	Indoor/ Outdoor	83		
	DI-DV-24V60W-277		120-277VAC	60W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers		83		
	DI-0954		100-240VAC	96W	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers		83		
	DI-0957		100-240VAC	200W	On/Off Switches		Indoor	83	
<b>Plug-In Adapters</b> A portable, flexible power supply to power low voltage lighting.	DI-0935	12VDC	100-240VAC	6W			88		
	DI-0936		100-240VAC	6W			88		
	DI-0919		100-240VAC	12W			88		
	DI-0927		100-240VAC	12W			88		
	DI-0911		100-240VAC	24W			88		
	DI-0968	24VDC	100-240VAC	24W	PWM Dimmers, DMX Systems, RGB Controllers	Indoor	88		
	DI-0912		100-240VAC	36W			88		
	DI-0937		100-240VAC	36W			88		
	DI-0913		100-240VAC	60W			88		
	DI-PA-24V12W-B		100-240VAC	12W			89		
	DI-PA-24V12W-W		100-240VAC	12W			89		
	DI-PA-24V24W-B		100-240VAC	24W			89		
	DI-PA-24V24W-W		100-240VAC	24W			89		
	DI-0967		100-240VAC	48W			89		
DI-0955	100-240VAC	96W	89						
<b>Commercial Grade Plug-In Driver</b> The newest power supply combines a heavy duty hard-wired driver with a plug-in adapter.	DI-CV-12V60W-OWA	12VDC		60W	PWM Dimmers, DMX Systems, RGB Controllers	Indoor	89		
	DI-CV-24V90W-OWA	24VDC		90W			89		



# FIRST and ONLY LED Driver + Dimmer Switch In One SWITCHEX<sup>®</sup>



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 evolutionary step forward for power and control of LED applications.

## FEATURES & BENEFITS

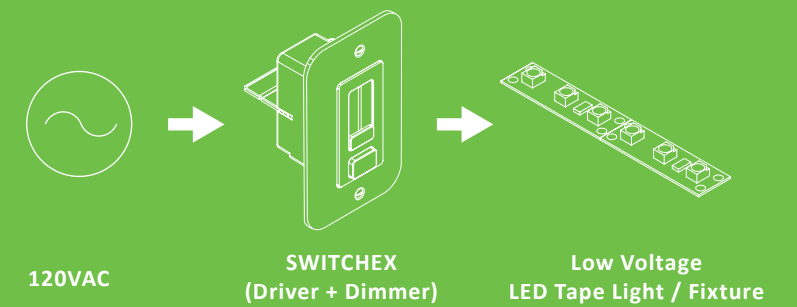
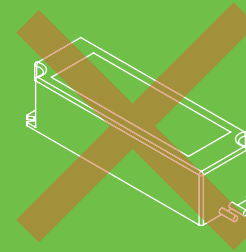
- Simplifies your LED installation
- Eliminates compatibility issues between drivers and switches
- Superior LED dimming performance (100% – 5%)
- Preset dimmer with on/off switch

## QUICK SPECS

<b>Certifications</b>	UL Listed 2108
<b>Environment</b>	Indoor
<b>Max Load</b>	100% of rated wattage
<b>Warranty</b>	3 years



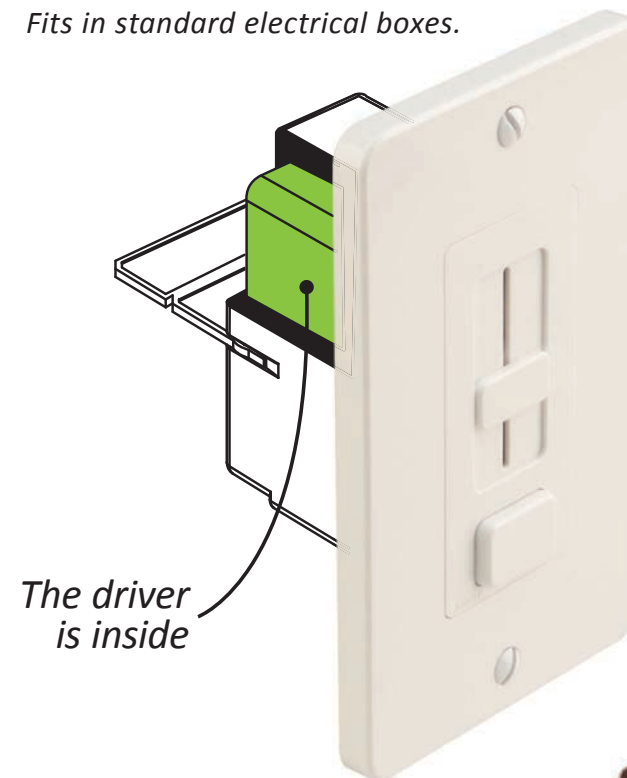
No Additional LED Driver Required



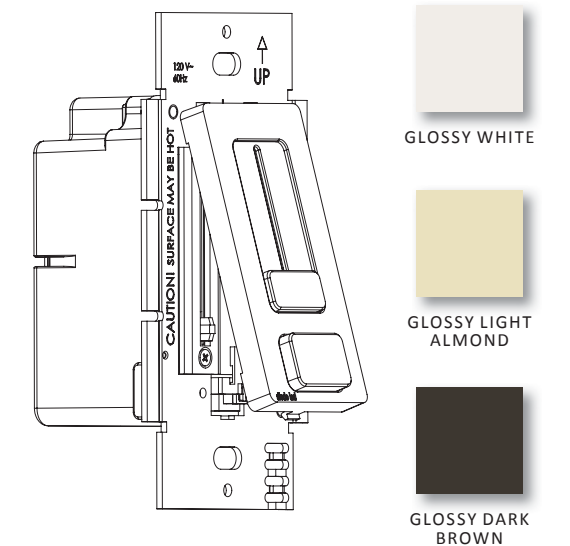
## THE DRIVER IS INSIDE

SWITCHEX contains an integrated driver that converts 120VAC to either 12VDC or 24VDC. This means that SWITCHEX is all you need between your line voltage and low voltage LED lighting. Best of all, it fits in a standard electrical gang box.

Fits in standard electrical boxes.



Includes 3 interchangeable face plates



Trim plate sold separately



## SWITCHEX Driver + Dimmer Switch

SKU	INPUT	OUTPUT	WATTAGE
DI-12V-SE-40W	120VAC	12VDC	40W
DI-12V-SE-60W	120VAC	12VDC	60W
DI-24V-SE-60W	120VAC	24VDC	60W
DI-24V-SE-100W	120VAC	24VDC	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
NEW DI-SE-FP-BL	Glossy Black (face plate & trim plate sold together)

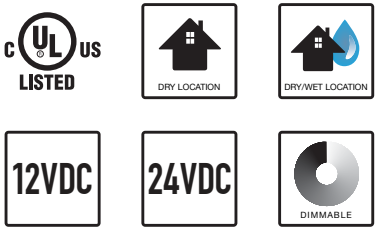


OMNIDRIVE® Electronic Dimmable Drivers

OMNIDRIVE Electronic Dimmable Drivers are our best 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 provide 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

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



QUICK SPECS

Input Voltage	90-135VAC
Output Voltage	12VDC and 24VDC
Dimming	Forward Phase & Reverse Phase Dimming
Switch Compatibility	See specifications at <a href="http://www.DiodeLED.com">www.DiodeLED.com</a>
Certification	UL Listed 1310

12V Electronic Dimmable Driver

SKU	WATTAGE	OUTPUT	ENVIRONMENT	DIMENSIONS
DI-TD-12V-10W	10W	12VDC	Indoor	5.5 x 1.8 x 1.1 in.
DI-TD-12V-20W	20W	12VDC	Indoor	5.5 x 1.8 x 1.1 in.
DI-TD-12V-30W	30W	12VDC	Indoor	7 x 2.3 x 1.4 in.
DI-TD-12V-45W	45W	12VDC	Indoor	7 x 2.3 x 1.4 in.
DI-TD-12V-60W	60W	12VDC	Outdoor/Indoor	7.9 x 2.7 x 1.8 in.
DI-TD-12V-80W	80W	12VDC	Outdoor/Indoor	7.9 x 2.7 x 1.8 in.
DI-TD-12V-120W	120W	12VDC	Outdoor/Indoor	7.9 x 2.7 x 1.8 in.

24V Electronic Dimmable Driver

SKU	WATTAGE	OUTPUT	ENVIRONMENT	DIMENSIONS
DI-TD-24V-10W	10W	24VDC	Indoor	5.5 x 1.8 x 1.1 in.
DI-TD-24V-20W	20W	24VDC	Indoor	5.5 x 1.8 x 1.1 in.
DI-TD-24V-30W	30W	24VDC	Indoor	7 x 2.3 x 1.4 in.
DI-TD-24V-45W	45W	24VDC	Indoor	7 x 2.3 x 1.4 in.
DI-TD-24V-60W	60W	24VDC	Outdoor/Indoor	7.9 x 2.7 x 1.8 in.
DI-TD-24V-80W	80W	24VDC	Outdoor/Indoor	7.9 x 2.7 x 1.8 in.



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](http://www.DiodeLED.com) for full compatibility.

VIEW FULL SPECIFICATION SHEETS AT [www.DiodeLED.com](http://www.DiodeLED.com)

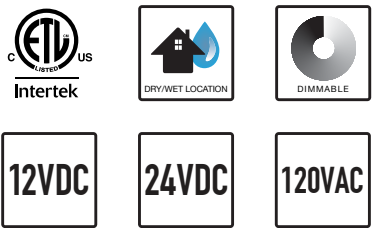
Magnetic Dimmable Drivers

The Magnetic Dimmable Driver is the compatible power source for projects using magnetic low voltage 120V dimmer switches to dim 12V or 24V LED lights. See the compatibility list online at [www.DiodeLED.com](http://www.DiodeLED.com) for a complete list of compatible MLV dimmers.

The 12 Volt Multi-Tap dimmable driver provides 300 total Watts of power through multiple-output ports. This allows large lighting installations to meet the 12V/60 Watt Class 2 electrical limitations. This driver meets Class 2 code specifications by offering five output circuits on individual breakers, each of which can be loaded to full 60W Class 2 capacity.

FEATURES & BENEFITS

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



QUICK SPECS

Input Voltage	120VAC
Output Voltage	12VDC and 24VDC
Dimming	Forward Phase Dimming
Switch Compatibility	See specifications at <a href="http://www.DiodeLED.com">www.DiodeLED.com</a>
Certification	UL Standard 5085-1 and 5085-3

12V Magnetic Dimmable Driver

SKU	WATTAGE	OUTPUT	ENVIRONMENT	DIMENSIONS
DI-0920	20W	12VDC	Outdoor/Indoor	2.2 x 2.2 x 5.6 in.
DI-DM-12V40W	40W	12VDC	Outdoor/Indoor	5.6 x 2 x 2.14 in.
DI-0922	60W	12VDC	Outdoor/Indoor	6.6 x 2.6 x 2.3 in.
DI-0925	100W	12VDC	Outdoor/Indoor	9.8 x 3.1 x 3 in.
DI-0923	200W	12VDC	Outdoor/Indoor	9.8 x 3.1 x 3 in.
DI-DM-12V120W-MT	120W Multi-Tap	12VDC	Outdoor/Indoor	9.8 x 3 x 3 in.
DI-DM-12V180W-MT	180W Multi-Tap	12VDC	Outdoor/Indoor	9.8 x 3 x 3 in.
DI-DM-12V300W-MT	300W Multi-Tap	12VDC	Outdoor/Indoor	9.8 x 4.2 x 3.5 in.

24V Magnetic Dimmable Driver

SKU	WATTAGE	OUTPUT	ENVIRONMENT	DIMENSIONS
DI-DM-24V40W	40W	24VDC	Outdoor/Indoor	5.6 x 2.2 x 2.2 in.
DI-0956	96W	24VDC	Outdoor/Indoor	5.6 x 2.2 x 2.2 in.



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](http://www.DiodeLED.com) for full compatibility.

VIEW FULL SPECIFICATION SHEETS AT [www.DiodeLED.com](http://www.DiodeLED.com)

VIEW FULL SPECIFICATION SHEETS AT [www.DiodeLED.com](http://www.DiodeLED.com)



Constant Voltage Drivers

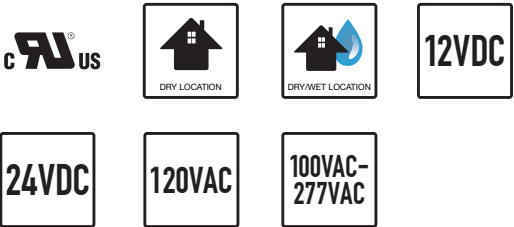
Constant Voltage LED Drivers are the driver of choice to pair with 120V switches, low voltage REIGN Dimmers, and RGB/DMX Controls. These hard-wired drivers are available in multiple form factors and voltage/wattage combinations to meet your low-voltage LED lighting needs.

COMPATIBILITY NOTE

Only specific models may be paired with REIGN® Dimmers and RGB/DMX Controls.

FEATURES & BENEFITS

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



12V Constant Voltage Drivers

VIEW FULL SPECIFICATION SHEETS AT <a href="#">www.DiodeLED.com</a>							
PRODUCT IMAGE	SKU	WATTAGE	INPUT	OUTPUT	DIMENSIONS	ENVIRONMENT	COMPATIBLE DIMMERS & CONTROL SYSTEMS
	DI-0941	12W	100-240VAC	12VDC	3.03 x 1.57 x 1.14 in.	Indoor	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers
	DI-0904	20W	100-240VAC	12VDC	4.65 x 1.38 x 1.02 in.	Outdoor/Indoor	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers
	DI-0939	25W	100-240VAC	12VDC	3.07 x 2.01 x 1.1 in.	Indoor	On/Off Switches
	DI-0918	35W	100-240VAC	12VDC	5.83 x 1.57 x 1.18 in.	Outdoor/Indoor	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers
	DI-0906	60W	100-240VAC	12VDC	6.4 x 1.67 x 1.26 in.	Outdoor/Indoor	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers
	DI-DV-12V60W-277	60W	120-277VAC	12VDC	9.5 x 1.7 x 1.14 in.	Outdoor/Indoor	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers



VIEW FULL SPECIFICATION SHEETS AT [www.DiodeLED.com](#)

PRODUCT IMAGE	SKU	WATTAGE	INPUT	OUTPUT	DIMENSIONS	ENVIRONMENT	COMPATIBLE DIMMERS & CONTROL SYSTEMS
	DI-0908	150W	100-240VAC	12VDC	7.83 x 3.90 x 2.00 in.	Indoor	On/Off Switches
	DI-0909	200W	100-240VAC	12VDC	7.83 x 3.90 x 2.00 in.	Indoor	On/Off Switches
	DI-0928	300W	100-240VAC	12VDC	8.5 x 4.13 x 1.61 in.	Indoor	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers

24V Constant Voltage Drivers

VIEW FULL SPECIFICATION SHEETS AT [www.DiodeLED.com](#)

PRODUCT IMAGE	SKU	WATTAGE	INPUT	OUTPUT	DIMENSIONS	ENVIRONMENT	COMPATIBLE DIMMERS & CONTROL SYSTEMS
	DI-0970	35W	100-240VAC	24VDC	5.83 x 1.57 x 1.18 in.	Outdoor/Indoor	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers
	DI-DV-24V60W-277	60W	120-277VAC	24VDC	9.5 x 1.7 x 1.14 in.	Outdoor/Indoor	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers
	DI-0954	96W	100-277VAC	24VDC	7.87 x 2.78 x 1.38 in.	Outdoor/Indoor	PWM Dimmers, On/Off Switches, DMX Systems, RGB Controllers
	DI-0957	200W	100-240VAC	24VDC	9.77 x 4.14 x 2.50 in.	Indoor	On/Off Switches



Mounting Brackets  
Set of four brackets with hardware.

SKU
DI-1733

COMPATIBLE ONLY WITH THESE DRIVERS:

- DI-0908 150W
- DI-0909 200W
- DI-0928 300W
- DI-0957 200W



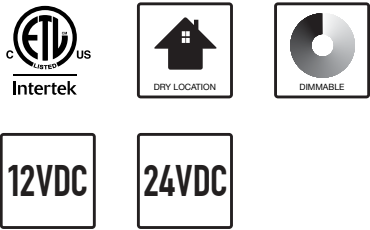
REIGN® Wall Mount LED Dimmer Switches

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 jumping. They fit right into a standard wall light switch box for easy installation.

There are three attractive models: the Touch Dimmer, the Button Slide, and Full Slide. Each provides one-touch on/off control of LED lighting with memory that fades to off and smoothly fades on to the previous setting. The Button Slide features a compact slider and a Button on/off switch; the Full Slide features an easy-to-grip slider and an on/off toggle switch. The maximum load for REIGN LED dimmer switches is 100 watts.

FEATURES & BENEFITS

- 12V-24V PWM Dimmers
- Choice of 2 finishes
- 100W limit



QUICK SPECS

Certification	ETL Listed 508
Environment	Indoor
Input Voltage	12V -24VDC
Output Voltage	12V -24VDC
Maximum Wattage	100W
Mounting	Single-Gang Box
Dimming	Pulse-Width Modulation



COMPATIBILITY NOTE

REIGN Dimmer Switches are low voltage dimmer switches that operate only with our standard 12V or 24VDC Constant Voltage Drivers (page 82) and Plug-In Adapters (page 88). See the specifications sheet at [www.DiodeLED.com](http://www.DiodeLED.com) for compatibility.

VIEW FULL SPECIFICATION SHEETS AT [www.DiodeLED.com](http://www.DiodeLED.com)

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

LO-PRO® Junction Boxes

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 contractor installation, 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
- Low-profile
- Lightweight



The LO-PRO Junction Box is intended for use with these Constant Voltage Drivers located on page 82:  
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	Outdoor/Indoor	7.7 x 4.9 x 1.8 in.

MEAN WELL® Junction Boxes

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

FEATURES & BENEFITS

- NEMA 1 steel enclosure
- ETL Listed



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.





Lutron® Hi-lume™ 1% Dimmable LED Drivers

The Lutron® Hi-lume 1% LED Driver is a high performance LED driver that provides smooth, continuous, flicker free dimming from 100%- 1% lighting level for 12V and 24VDC sources up to 40W. 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.

- We stock the following models\*:
- Hi-lume 1% 2-wire LTE LED driver (120V forward phase only)
    - Perfect for residential applications.
  - Hi-lume 1% 3-wire L3D LED driver (120-277V)
    - Perfect for commercial applications.

\*Lutron® Hi-lume 1% EcoSystem, EcoSystem H-Series, and EcoSystem 5-Series models available upon request.

FEATURES & BENEFITS

- Smooth 100%-1% dimming
- Residential and commercial
- 120V and 120-277V models
- UL Listed 8750



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](http://www.DiodeLED.com) for full compatibility.

VIEW FULL SPECIFICATION SHEETS AT [www.DiodeLED.com](http://www.DiodeLED.com)

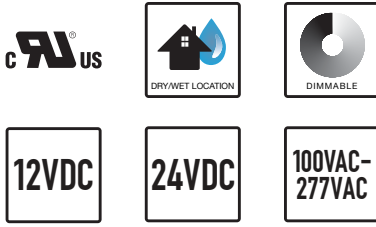
SKU	INPUT	OUTPUT	DIMENSIONS
DI-DM-12V40W-L3D	120-277VAC	12VDC	4.89 x 4.00 x 2.62 in.
DI-DM-12V40W-LTE	120VAC	12VDC	4.89 x 4.00 x 2.62 in.
DI-DM-24V40W-L3D	120-277VAC	24VDC	4.89 x 4.00 x 2.62 in.
DI-DM-24V40W-LTE	120VAC	24VDC	4.89 x 4.00 x 2.62 in.

0-10V Dimmable LED Drivers

0-10V Dimmable LED Drivers are essential components for retrofitting low voltage LED fixtures in 0-10V control systems. These drivers are ideal for commercial applications designed with 0-10V systems, are rated for wet and dry locations, and offer a smooth, continuous dimming range from 100-1% brightness. These drivers are engineered to work with 0-10V dimming controls for superior dimming performance.

FEATURES & BENEFITS

- Flicker-free dimming
- Commercial retrofit
- 12V and 24V models
- Class 2 compliant

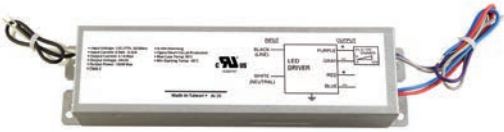


COMPATIBILITY NOTE

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](http://www.DiodeLED.com) for full compatibility.

VIEW FULL SPECIFICATION SHEETS AT [www.DiodeLED.com](http://www.DiodeLED.com)

SKU	WATTAGE	INPUT	OUTPUT	DIMENSIONS
DI-DM-12V60W-0-10V	60W	120-277VAC	12VDC	9.50 x 1.70 x 1.14 in.
DI-DM-24V100W-0-10V	100W	120-277VAC	24VDC	9.50 x 2.40 x 1.46 in.



In-Wall Rated Two Conductor Wire

For a discreet installation, hide the wires behind a wall. 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 safety standards for in-wall lighting installation and comes in 16 AWG and 18 AWG (American Wire Gauge).



FEATURES & BENEFITS

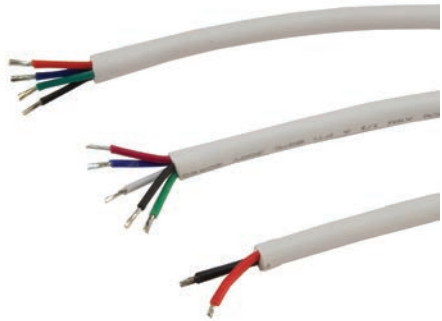
- UL Listed CL2 wire
- Rated for use in-wall
- for use in Class 2 or Class 3 circuits
- High Purity, oxygen-free copper
- Durable outer jacket insulation



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.



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








DC Plug-In Adapters

12V and 24V Adapters convert the AC voltage of homes and businesses to the low voltage of LED light fixtures. Converting your voltage with a DC Adapter is easy: just plug your LED lights into the 1/4 inch jack of the LED light adapter either directly or using a connectors. 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. Our LED adapter is a plug-and-play LED lighting transformer at its most effortless.

While power supplies are rated to accept a maximum rated load, **for optimum performance we recommend loading a power supply to no more than 80% of its labeled rating.** For example, a 60W power supply should be loaded only to 48W. Optimum performance accounts for various environmental factors like ambient temperature fluctuations and power surges.

12VDC Plug-In Adapters

VIEW FULL SPECIFICATION SHEETS AT [www.DiodeLED.com](http://www.DiodeLED.com)

PRODUCT IMAGE	SKU	WATTAGE	OUTPUT	COLOR	DIMENSIONS
	DI-0936	6W	12VDC	Black	1.9 x 1.3 x 1.3 in.
	DI-0935	6W	12VDC	White	1.9 x 1.3 x 1.3 in.
	DI-0919	12W	12VDC	Black	2.35 x 1.75 x 1.4 in.
	DI-0927	12W	12VDC	White	2.35 x 1.75 x 1.4 in.
	DI-0968	24W	12VDC	Black	3.8 x 1.75 x 1.4 in.
	DI-0911	24W	12VDC	White	3.8 x 1.75 x 1.4 in.
	DI-0937	36W	12VDC	Black	3.8 x 1.75 x 1.4 in.
	DI-0912	36W	12VDC	White	3.8 x 1.75 x 1.4 in.
	DI-0913	60W	12VDC	White	4.7 x 2 x 1.25 in.

FEATURES & BENEFITS

- Compatible with PWM Dimmers, DMX Systems, and RGB Controllers
- 12V or 24VDC
- Black or White finish
- UL Listed







PLUG-IN ADAPTER ACCESSORIES

All Plug-In Adapter accessories can be found on page 91 or by visiting the product page on our website at [www.DiodeLED.com](http://www.DiodeLED.com)

24VDC Plug-In Adapters

VIEW FULL SPECIFICATION SHEETS AT [www.DiodeLED.com](http://www.DiodeLED.com)

PRODUCT IMAGE	SKU	WATTAGE	OUTPUT	COLOR	DIMENSIONS
	DI-PA-24V12W-B	12W	24VDC	Black	2.35 x 1.75 x 1.4 in.
	DI-PA-24V12W-W	12W	24VDC	White	2.35 x 1.75 x 1.4 in.
	DI-PA-24V24W-B	24W	24VDC	Black	3.8 x 1.75 x 1.4 in.
	DI-PA-24V24W-W	24W	24VDC	White	3.8 x 1.75 x 1.4 in.
	DI-0967	48W	24VDC	Black	4.7 x 2 x 1.2 in.
	DI-0955	96W	24VDC	Black	5.5 x 2.4 x 1.4 in.

Commercial Grade Plug-In Drivers



The newest power supply from Diode LED is the Commercial Grade Plug-In Driver. This uniquely engineered power supply combines the electronics and housing of a heavy duty hard-wired driver with the ease and simplicity of a plug-In adapter making permanent indoor installations quicker and easier. This UL Listed LED Driver is designed to be compatible with our PWM, DMX, and Color Changing Control Systems and is backed by our 5-Year Warranty.

FEATURES & BENEFITS

- Compatible with PWM Dimmers, DMX Systems, and RGB Controllers
- 5-Year warranty
- UL Listed 1310



VIEW FULL SPECIFICATION SHEETS AT [www.DiodeLED.com](http://www.DiodeLED.com)

PRODUCT IMAGE	SKU	WATTAGE	OUTPUT	COLOR	DIMENSIONS
	DI-CV-12V60W-OWA	60W	12VDC	Charcoal	5.1 x 2.1 x 1.4 in.
	DI-CV-24V90W-OWA	90W	24VDC	Charcoal	6.7 x 2.5 x 1.5 in.



12V-24VDC Inline Switches & Dimmers

Choose from any of these dimmers and switches for use with any our low-voltage LED lighting and constant voltage driver or plug-in adapter to have simple to complex control over your lighting application.

Consult the product page at [www.DiodeLED.com](http://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 without any troublesome flickering.

SKU	WORKING VOLTAGE	MAX. LOAD	COLOR
DI-0715	12-24VDC	24W (12V)	White
DI-0715-B	12-24VDC	48W (24V)	Black



Inline On/Off Led Switch

The Inline On/Off LED Switch is used with 12V-24V LED products between the DC power source and the LED fixture.

SKU	WORKING VOLTAGE	MAX. LOAD	COLOR
DI-0714	12-24VDC	24W (12V)	White
DI-0714-B	12-24VDC	48W (24V)	Black



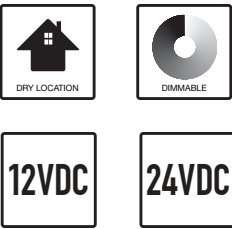
TOUCHDIAL™ WiFi Color Control System

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



For complete control of changing your color mode, speed and brightness level, check out the TOUCHDIAL WiFi Control System on page 66.



FEATURES & BENEFITS

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

FEATURES & BENEFITS

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

FEATURES & BENEFITS

- Works in existing WiFi network
- iOS and Android devices
- Controls up to 8 lighting zones



DC Plug Accessories

PRODUCT IMAGE	PRODUCT DESCRIPTION	SKU	COLOR
	<b>Adapter Splice Cable - Female</b> Allows lead wire connections from a female DC Plug. Wire: 18/2 AWG. Dimensions: 42 x 0.45 in. (L x Dia)	Single: DI-PVC2464-DL42-SPL-F	White
		Pack of 25 DI-PVC2464-DL42-SPL-F-25	White
	<b>Adapter Splice Cable - Male</b> Allows lead wire connections from a male DC Plug. Wire: 18/2 AWG. Dimensions: 42 x 0.45 in. (L x Dia)	Single: DI-PVC2464-DL42-SPL-M	White
		Pack of 25: DI-PVC2464-DL42-SPL-M-25	White
	<b>39 in. DC Extension Cable</b> 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)	Single: DI-0708	White
		Single: DI-0708B	Black
	<b>2-Way DC Splitter</b> 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)	Single: DI-0720	White
		Pack of 25: DI-0720-25	White
	<b>3-Way DC Splitter</b> 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)	Single: DI-0705	White
		Single: DI-0705B	Black
		Pack of 25: DI-0705-25	White
	<b>4-Way DC Splitter</b> 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)	Single: DI-DCSP4	White
		Pack of 25: DI-DCSP4-25	White
	<b>5-Way DC Splitter</b> 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)	Single: DI-0707	White
		Single: DI-0707B	Black
		Pack of 25: DI-0707-25	White



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 restrictions.



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 is an affordable and professional way to make sure there are no “loose ends” during inspection, and avoids messy wire nut and electrical tape connections. This junction box is rated for high and low voltage electrical connections up to 450V, but is not rated for in-wall use.

SKU	MAX. VOLTAGE	DIMENSIONS
DI-0841	450VAC	1.87 x 1 x 0.75 in.

FEATURES & BENEFITS

- Reinforced protected terminal block
- For use with solid or stranded wire
- Screw type connection



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

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.

FEATURES & BENEFITS

- Commercial-grade
- Indoor and outdoor models
- Compact
- Includes 3-wire push-in terminal block connector



Wire Management – Clips and Fasteners

PRODUCT IMAGE	PRODUCT DESCRIPTION	SKU	MOUNTING	DIMENSIONS
	<b>Wire Fastener (10 pack)</b> 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)
	<b>Wire Clip (10 pack)</b> Recommended Usage: 20/2, 20/3, 20/4, 20/5 AWG wire	DI-WM-WC	3M™ Double Adhesive Tape	0.57 x 0.37 x 0.22 in. (L x W x H)
	<b>J-Clip (10 pack)</b> 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)

Voltage Drop Charts

WHAT IS VOLTAGE DROP?

Voltage drop is defined as the amount of voltage loss that occurs through all or part of a circuit due to impedance, otherwise known as resistance. Wires, electrical components and virtually anything carrying current will always inherent resistance to current flow.

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 (AWM) 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, shift in brightness, and shift in CCT (Correlated Color Temperature) across long runs of LED tape light.

HOW TO CALCULATE VOLTAGE DROP:

1. Calculate Total Load (Max Wattage).

BLAZE 12V LED Tape Light has a power consumption of 2.88W/ft. (watts per foot). If you're installing a full 16.4 ft. spool than the Total Load would be 47.2 watts (2.88W/ft. x 16.4 ft. = 47.2W).

2. Determine Distance from LED Driver to Beginning of LED Load.

3. Determine the proper Wire Gauge.

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](http://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.



# Glossary of Terms

**Alternating Current (AC):** Electric power is generated and delivered to businesses and residences in a high-voltage alternating current (AC), in which the flow of electricity periodically reverses directions.

**CRI (Color Rendering Index):** A quantitative value that depicts the LED fixture’s ability to reproduce colors accurately compared to a natural light source (e.g., the Sun). With higher CRI, colors are rendered more accurate, rich, and deep. See [page 5](#).

**Correlated Color Temperature (CCT):** A quantifiable measure of both the hue in white light and where it falls on the color spectrum. If a white light fixture is more yellow in hue, it is considered “warm white.” If the hue is bluer, the light is considered “cool white.” Correlated Color Temperature is expressed using Kelvin (K) as the unit of measure for white light. See [page 5](#).

**Class 2:** The National Electric Code (NEC) defines a Class 2 circuit as that portion of the wiring system between the load side of a Class 2 power supply (LED driver) and the connected equipment (LED Luminaire). A Class 2 compliant circuit is considered safe from fire initiation, and provides protection from electrical shock. For more information, see [page 75](#) of LED Drivers, Switches, Dimmers & Accessories.

**Constant Voltage:** Refers to a power supply that maintains a fixed voltage output regardless of current load.

**Current (A):** The flow of electric charge. In electric circuits, moving electrons in a wire often carry current. The unit used for measuring current is the “ampere (A),” or commonly used “amps.”

**Direct Current (DC):** A curcuit with the flow of electric charge moving in only one direction.

**DMX:** Abbreviation for Digital Multiplex. DMX is a digital communication language used to control lighting and lighting effects. DMX allows users to synchronize and control multiple LED lights and color-changing LED lighting with a controller. Since DMX is a data signal and not an electrical signal, DMX installations can expand to multiple lighting areas or to layouts covering great distances. See [page 68](#).

**Energy Star:** To qualify for the ENERGY STAR label, an LED lamp must use up to 75% less energy and last at least 15 times longer than comparable incandescent lighting. The rating also denotes excellent color quality.

**IP Rating:** Abbreviation for Ingress Protection Rating, which classifies and rates the degree of protection provided against particle intrusion such as dust and water with a two-digit number. The first number (from 0 to 6) determines the protection rating against solid objects or materials, with a “6” indicating the most protection. The second number (from 0 to 8) determines the protection rating against the ingress of liquid/moisture, with an “8” indicating the most protection.

**Kelvin (K):** See Correlated Color Temperature (CCT).

**LED:** Abbreviation for Light Emitting Diode, which is a semiconductor light source sometimes referred to as solid-state lighting. LEDs are used in many devices and are increasingly used for general and commercial lighting.

**Lumen (lm):** The unit of measure for the brightness of a light, indicating the amount of light emitted.

**Luminous Efficacy:** The measure of how efficiently a light source produces light. The simplest way of configuring this is by determining the lumens per watt.

**Luminous flux:** In photometry, luminous flux or luminous power is the measure of the perceived power of light.

**Nanometer (nm):** Unit of length that is one-billionth of a meter. This value is associated with the wavelengths of light in the visible spectrum. A typical human eye will respond to wavelengths from about 390 to 700 nm, which are the colors of the rainbow.

**RGB:** (“Red, Green, Blue”) Full-color LED fixtures use Additive Color Mixing with combinations of these three color diodes to produce millions of colors.

**RGB(W):** (“Red, Green, Blue, White”) Expanding upon RGB color mixing, the addition of white light enables a broader range of color combinations to include pastels as well as brighter light.

**RU:** The Recognized Component Mark is a type of quality mark issued by Underwriters Laboratories and is specifically used on components that when combined with other equipment can be used to create a UL recognized system.

**SMD:** Abbreviation for Surface Mount Device, a method for producing electronic circuits in which the components such as LEDs are mounted or placed directly onto the surface of printed circuit boards (PCBs).

**Title 24:** This certification meets code regulations designed to reduce energy consumption and enhance energy efficiency of buildings in California.

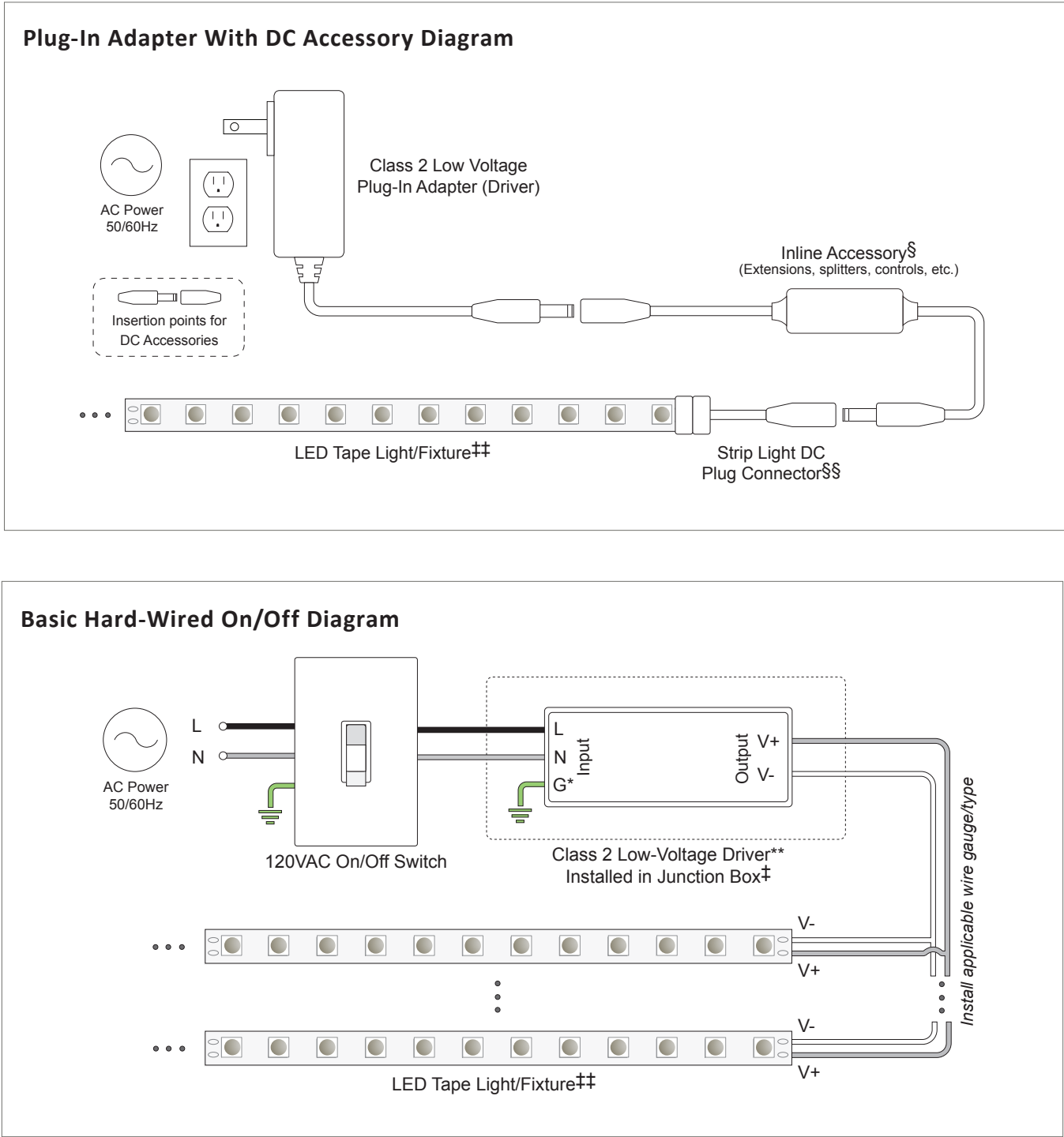
**UL:** This Listing Mark indicates that a product has been tested to, and has met, the minimum requirements for product safety, by Underwriters Laboratories (UL), a Nationally Recognized Testing Laboratory, and that the manufacturing site is regularly audited.

**Watt (W):** A watt measures the rate of energy conversion or power used. LED fixtures consume power measured in watts.

# System Diagrams

The following diagrams are provided as example system designs. Always review each component installation guide for detailed and up-to-date wiring instructions. Please contact Customer Support or see the product pages at [www.DiodeLED.com](http://www.DiodeLED.com) for additional system diagrams.

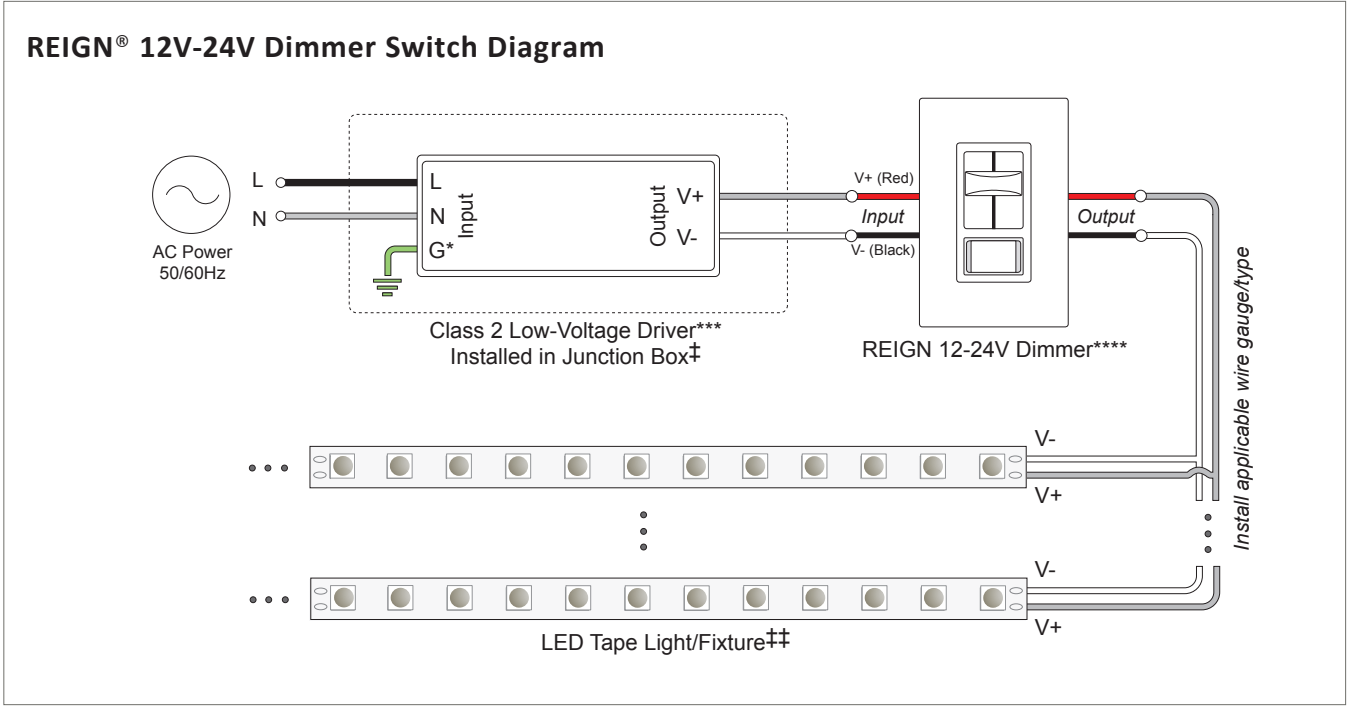
Install in accordance with NEC and local regulations.



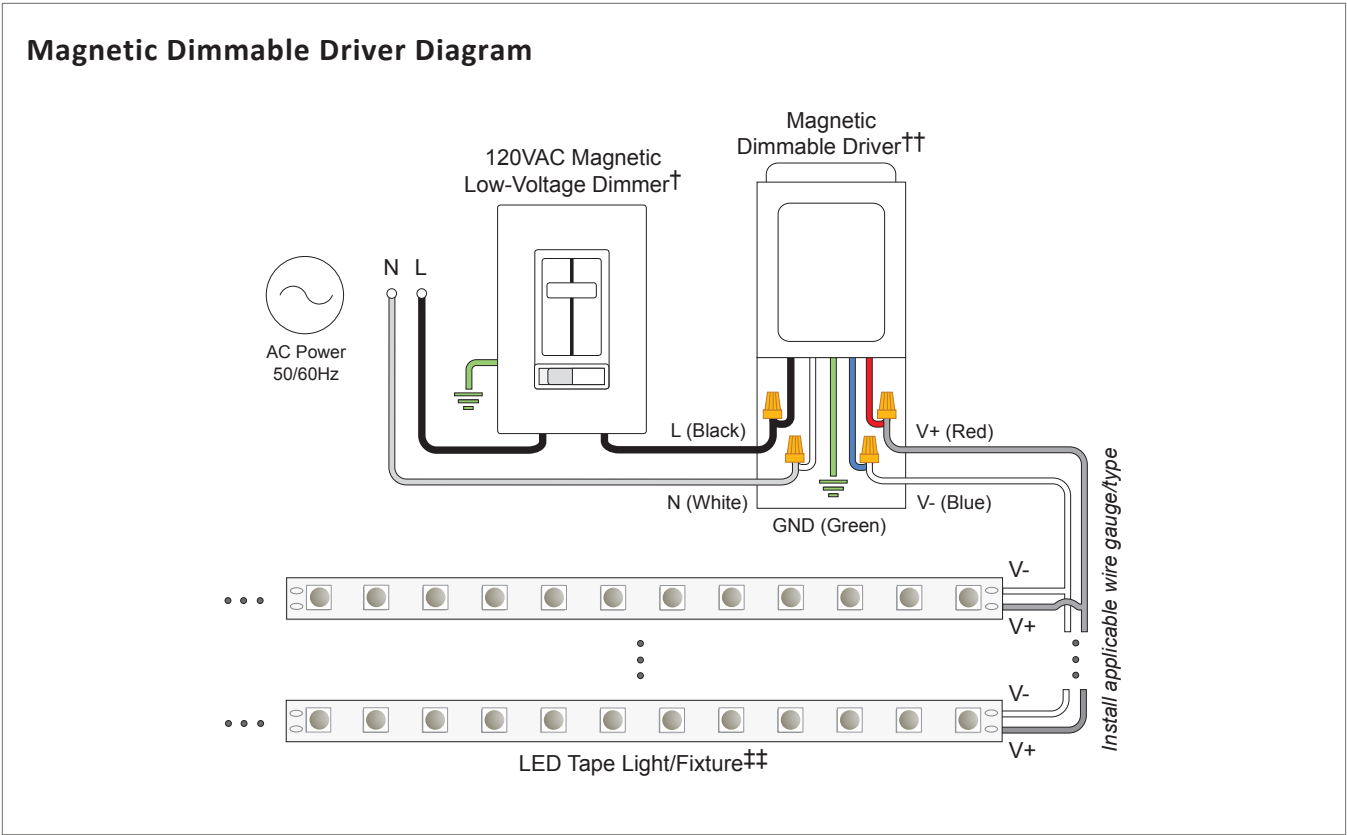
See page 100 for technical notes applicable to all system diagrams. Diagrams are subject to change.



System Diagrams



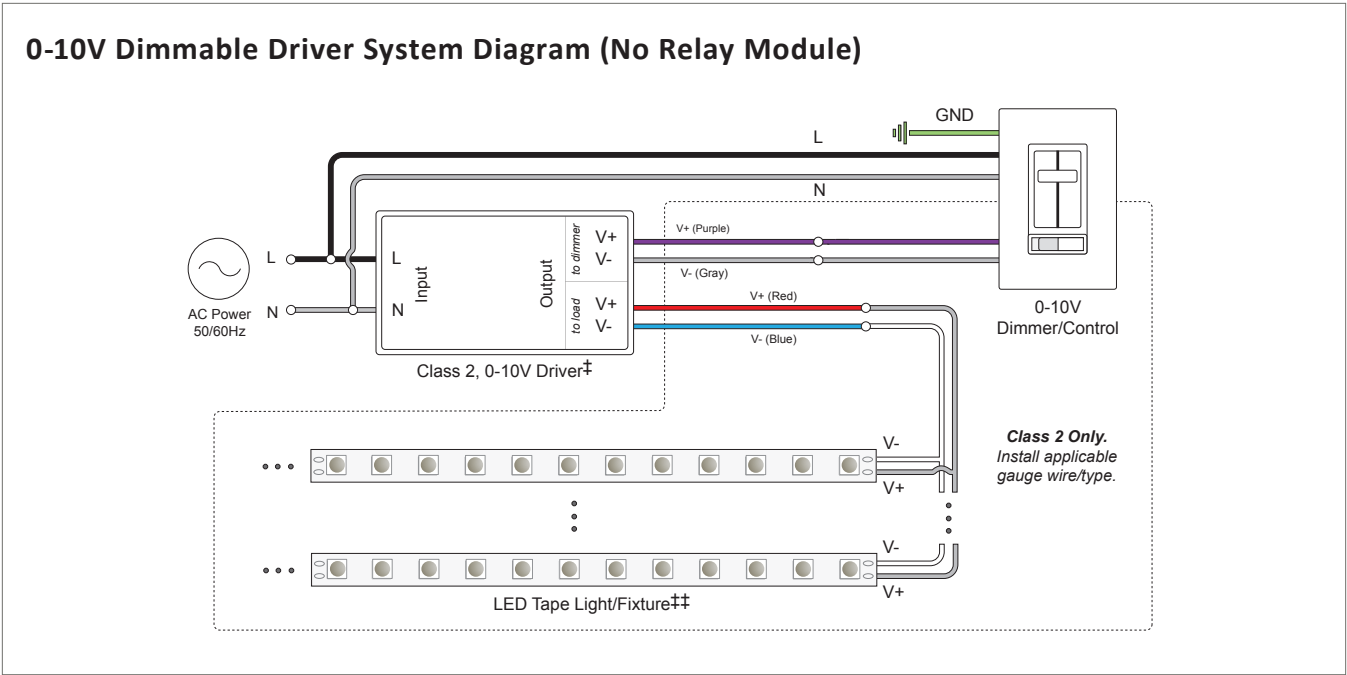
See page 100 for technical notes applicable to all system diagrams. Diagrams are subject to change.



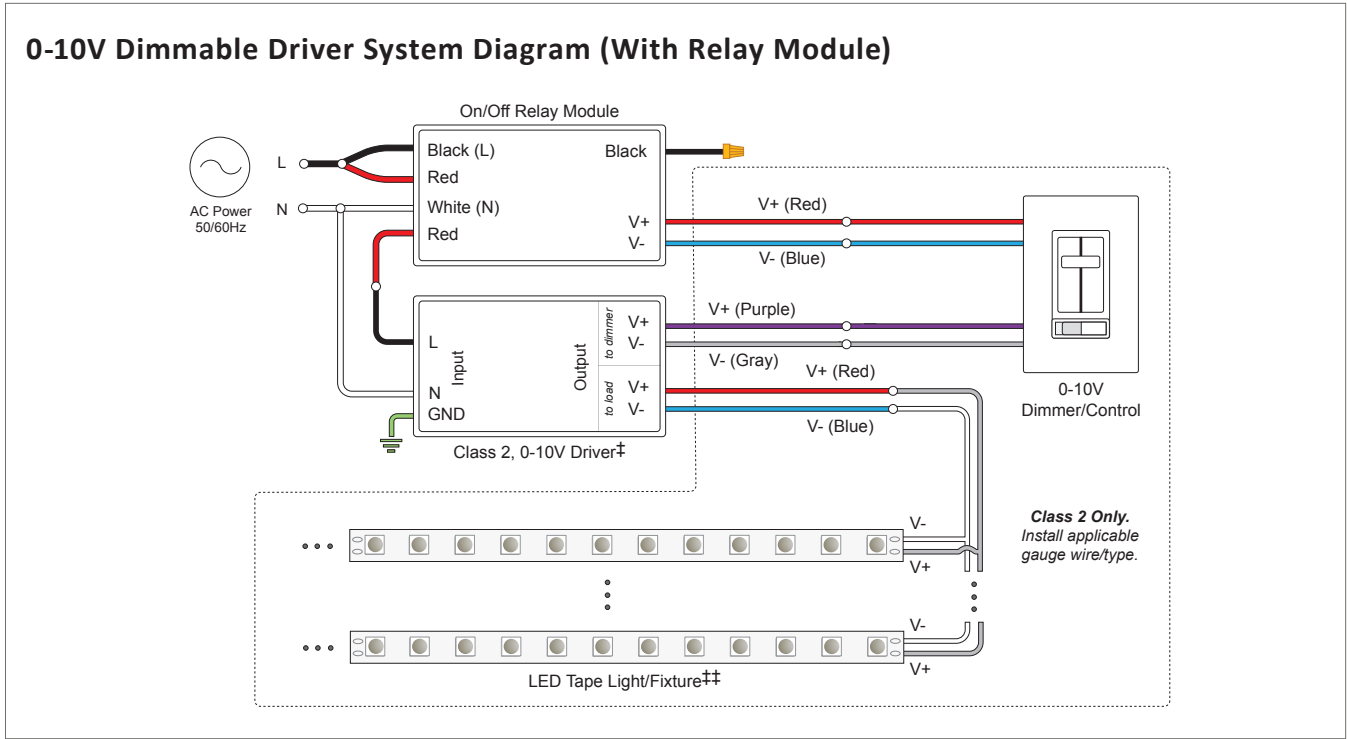
See page 100 for technical notes applicable to all system diagrams. Diagrams are subject to change.

System Diagrams (continued)

Some 0-10V control systems require an additional relay module for the system to function properly. Prior to specifying a 0-10V control/dimmer, see the '0-10V Dimmable Driver/Control' compatibility list on the product page at [www.DiodeLED.com](http://www.DiodeLED.com) for more thorough information on each compatible control/dimmer.



See page 100 for technical notes applicable to all system diagrams. Diagrams are subject to change.

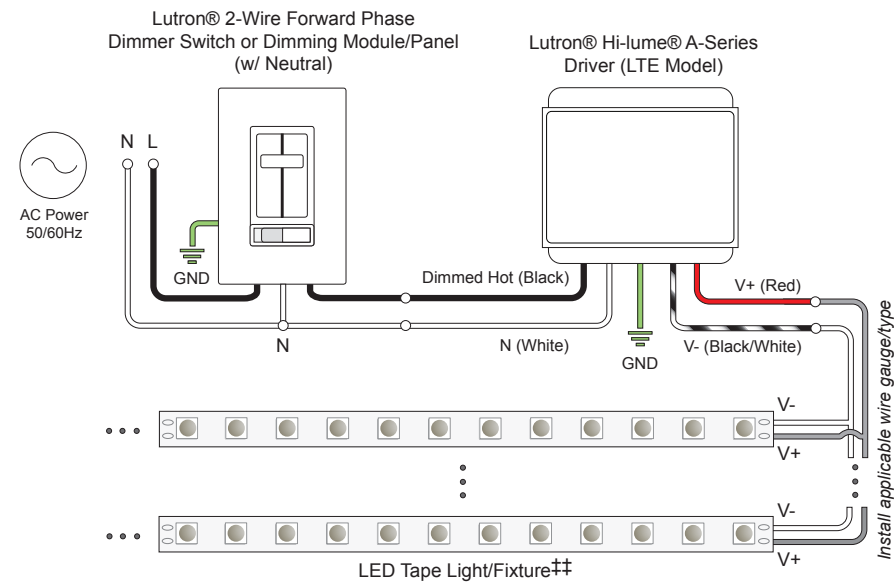


See page 100 for technical notes applicable to all system diagrams. Diagrams are subject to change.

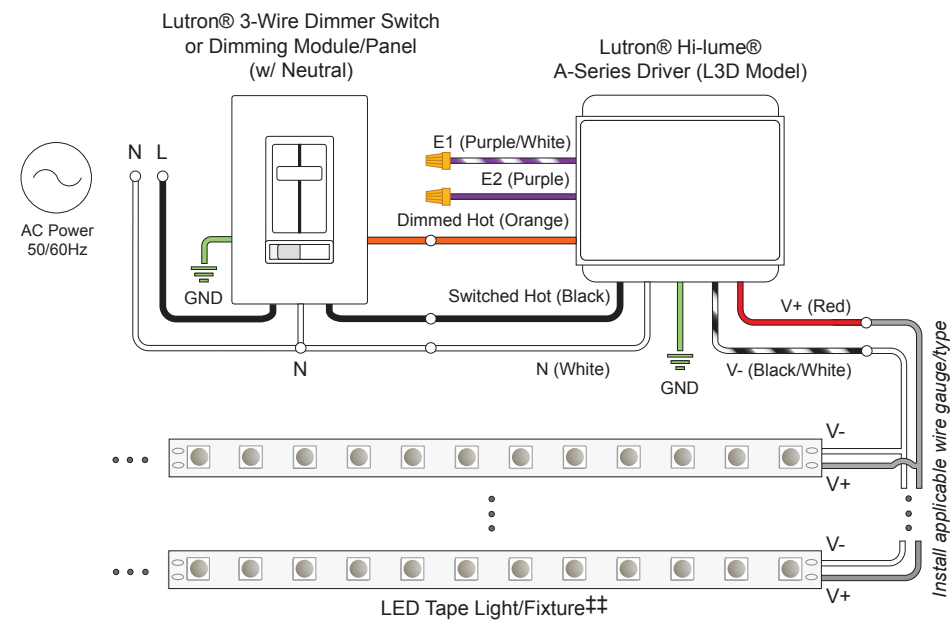


## System Diagrams

See the Lutron® Hi-lume™ 1% Dimmable LED Driver specification sheet and installation guide for complete wiring diagrams, technical notes, and compatible controls.

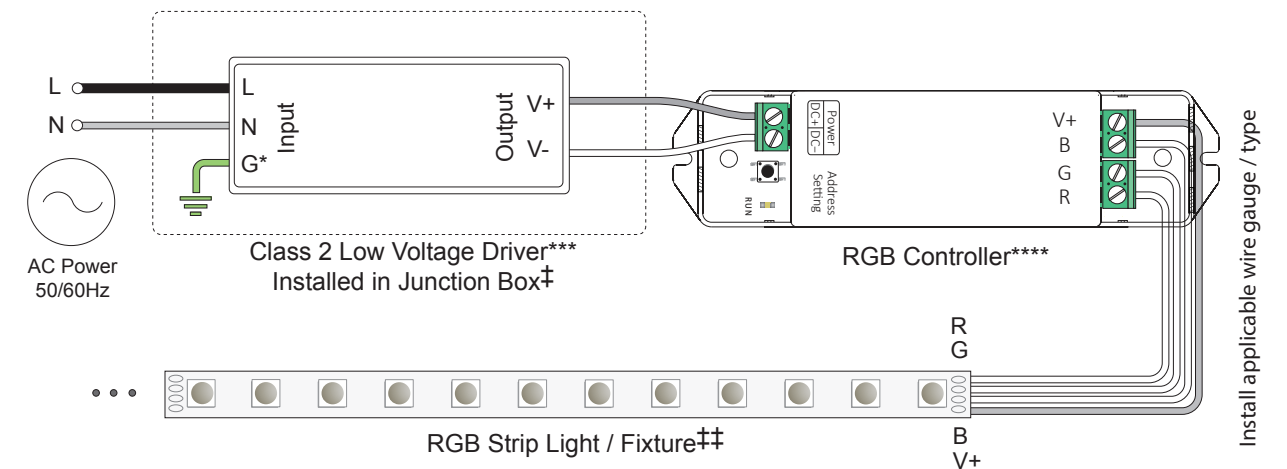


See page 100 for technical notes applicable to all system diagrams. Diagrams are subject to change.

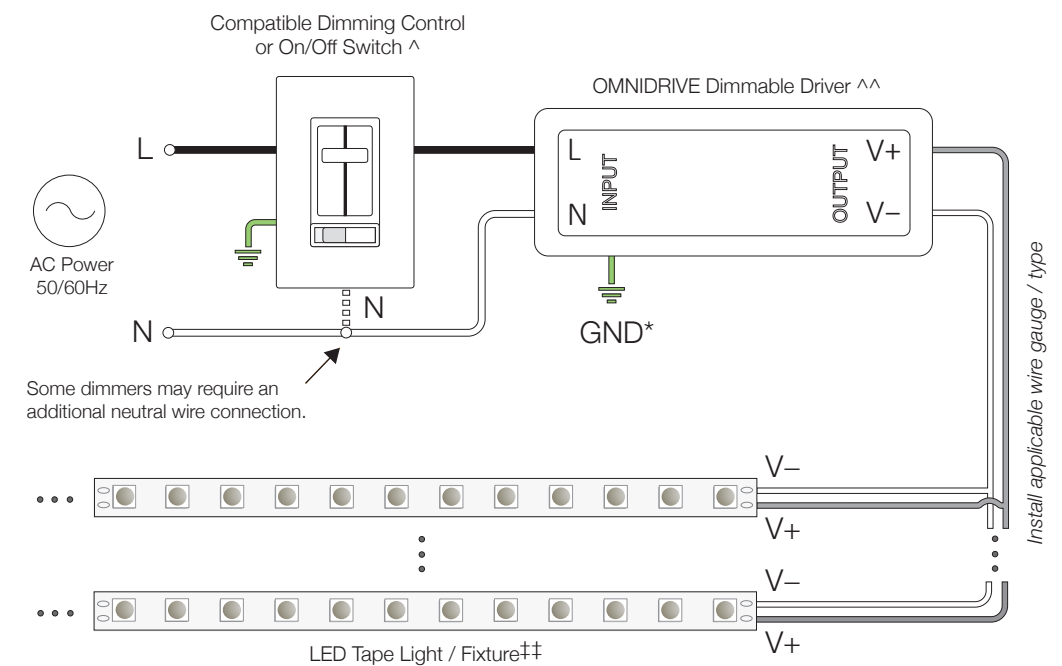


See page 100 for technical notes applicable to all system diagrams. Diagrams are subject to change.

## System Diagrams (continued)

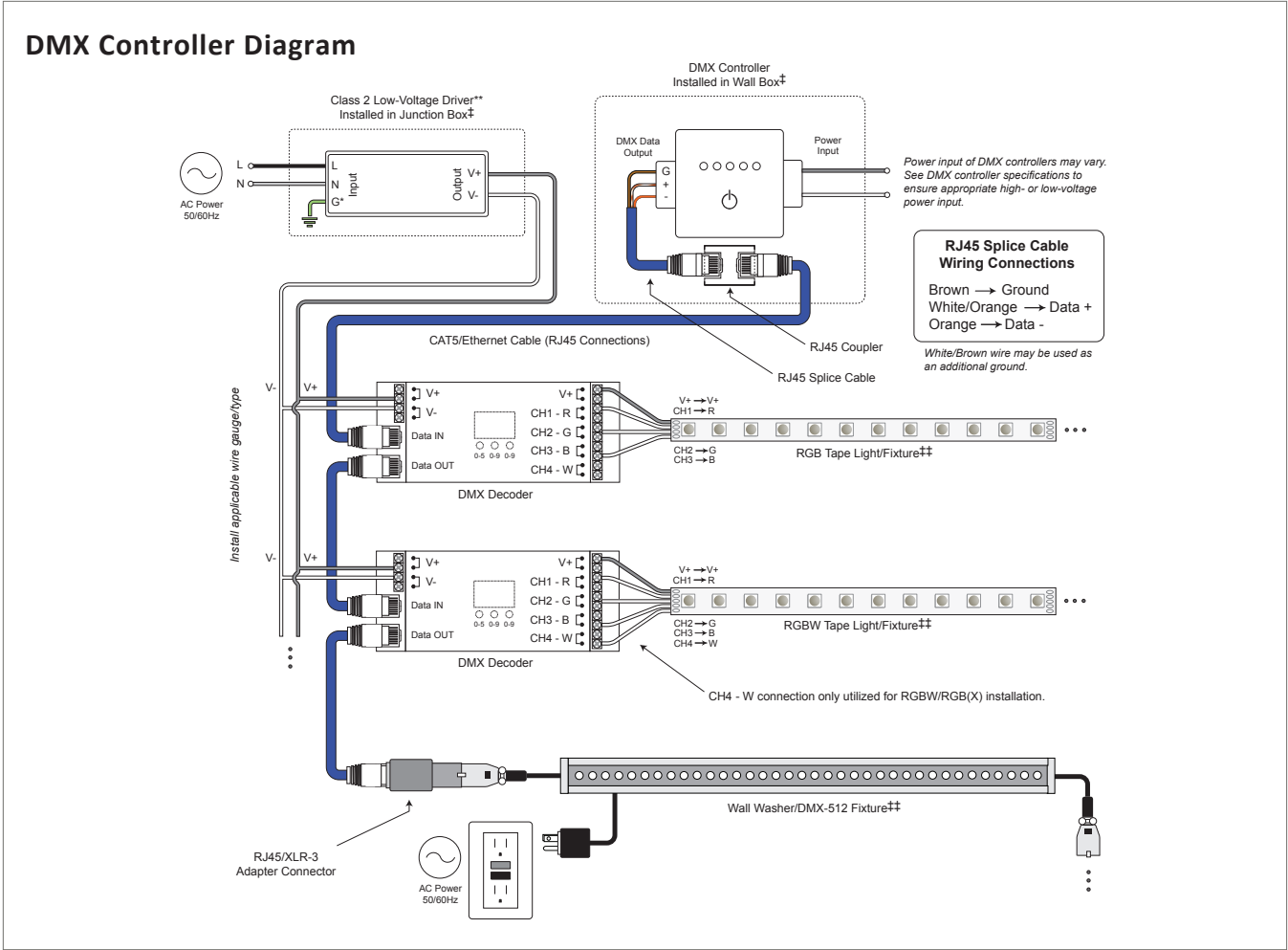


See page 100 for technical notes applicable to all system diagrams. Diagrams are subject to change.



See page 100 for technical notes applicable to all system diagrams. Diagrams are subject to change.

System Diagrams (continued)



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

Technical Notes

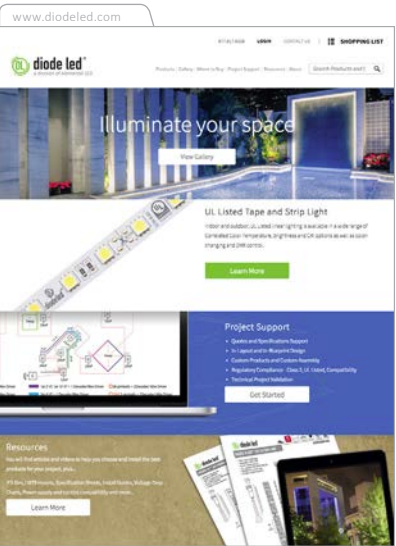
- \* Driver may not require a fault ground connection. Refer to driver specifications for additional information.
- \*\* Install a compatible Class 2 constant voltage driver. It is recommended to load the driver no more than 80% of its labeled rating for maximum longevity.
- \*\*\* Install a Class 2 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).

FOR COMPLETE INFORMATION ON ALL OF THE PRODUCTS LISTED IN THIS CATALOG, VISIT...

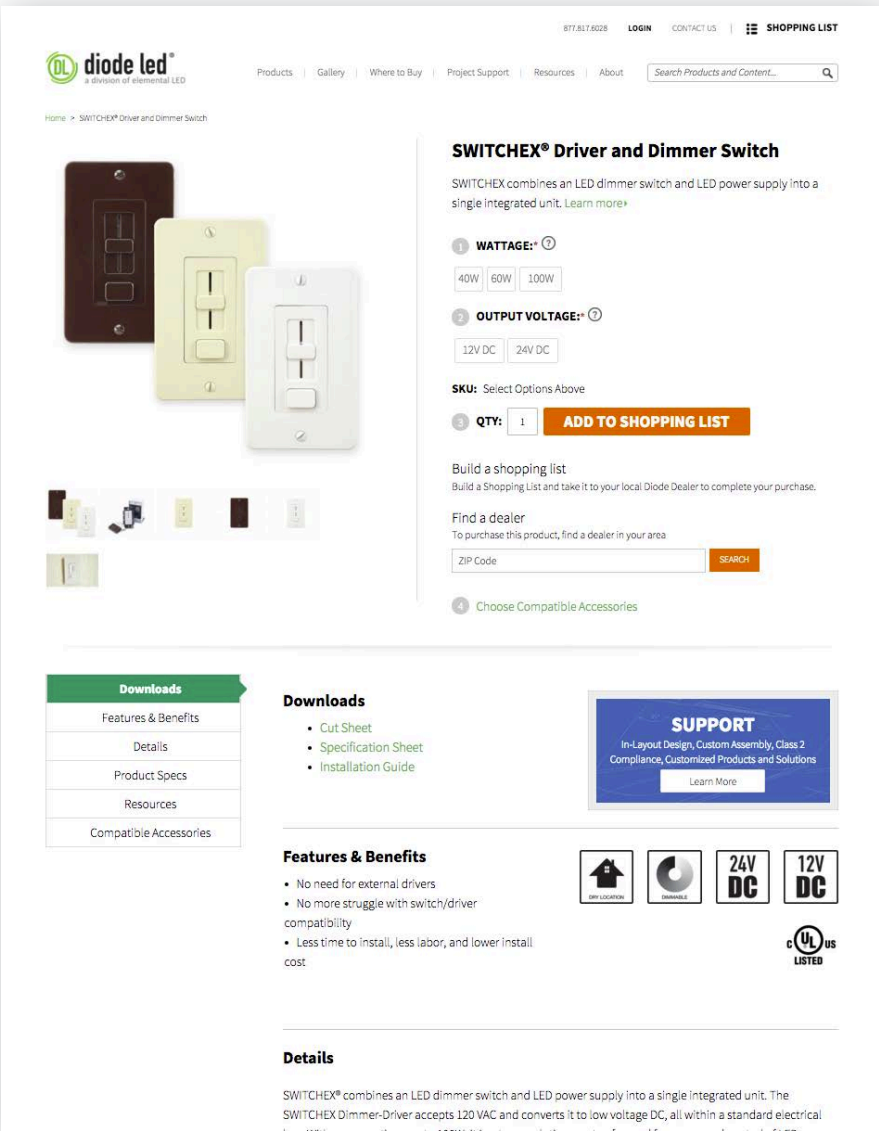
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