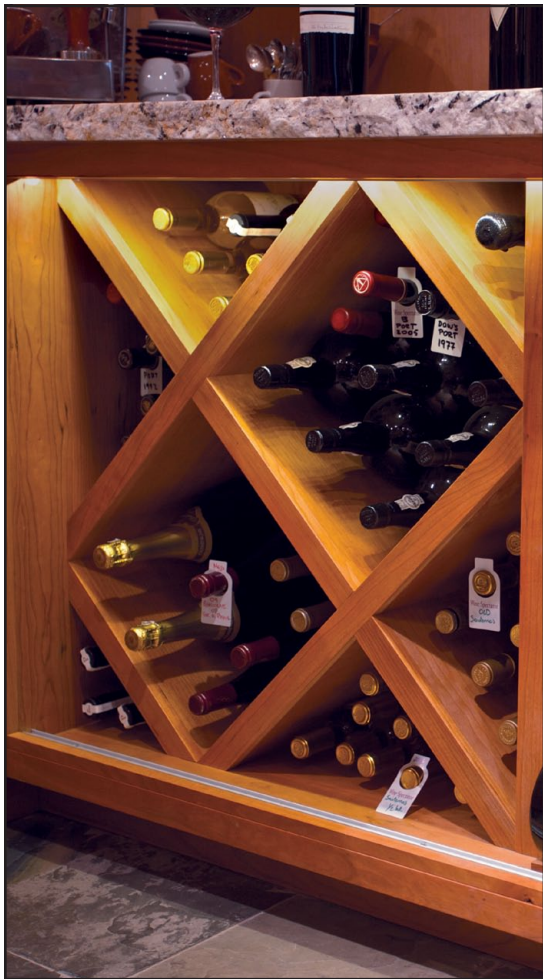




DIODE LED
PREMIER LED LIGHTING COLLECTION



“Experience the Diode Difference”



We are passionate about sustainability, specifically energy conservation and the role LEDs play in producing healthy environments. It is this passion which drives our pursuit to provide high quality products at affordable prices.

In a fast paced market full of innovation and new technology, we strive to provide our customers the necessary tools and assistance they need to make informed decisions. When it comes to LED lighting solutions, we want to make them simple to understand, effortless to adapt, and easy to use. This is what we call “the Diode difference”.

As we grow, so does our commitment to our customers. We actively listen and work to improve product features and designs by engineering our products to meet the needs of our customers. We specialize in both residential and commercial lighting products that are used in a variety of different applications and can transform any space into a work of art. By customizing our product to fit your needs, the options are endless. We are excited to explore these opportunities with you.

Our web site, www.DiodeLED.com is continuously updated with new information about our product lines and accessories, which include specification sheets, wiring diagrams, educational tutorials, videos, and more!

We know you will enjoy our latest offers featured in this catalog and formally invite you to . . .

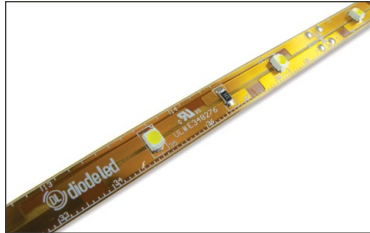
“Experience the Diode Difference”



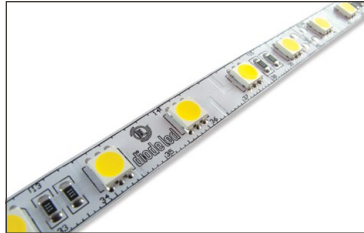
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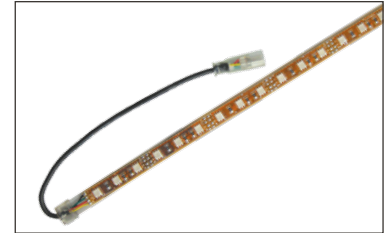
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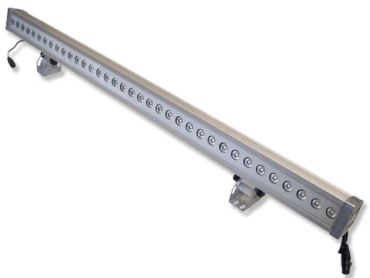
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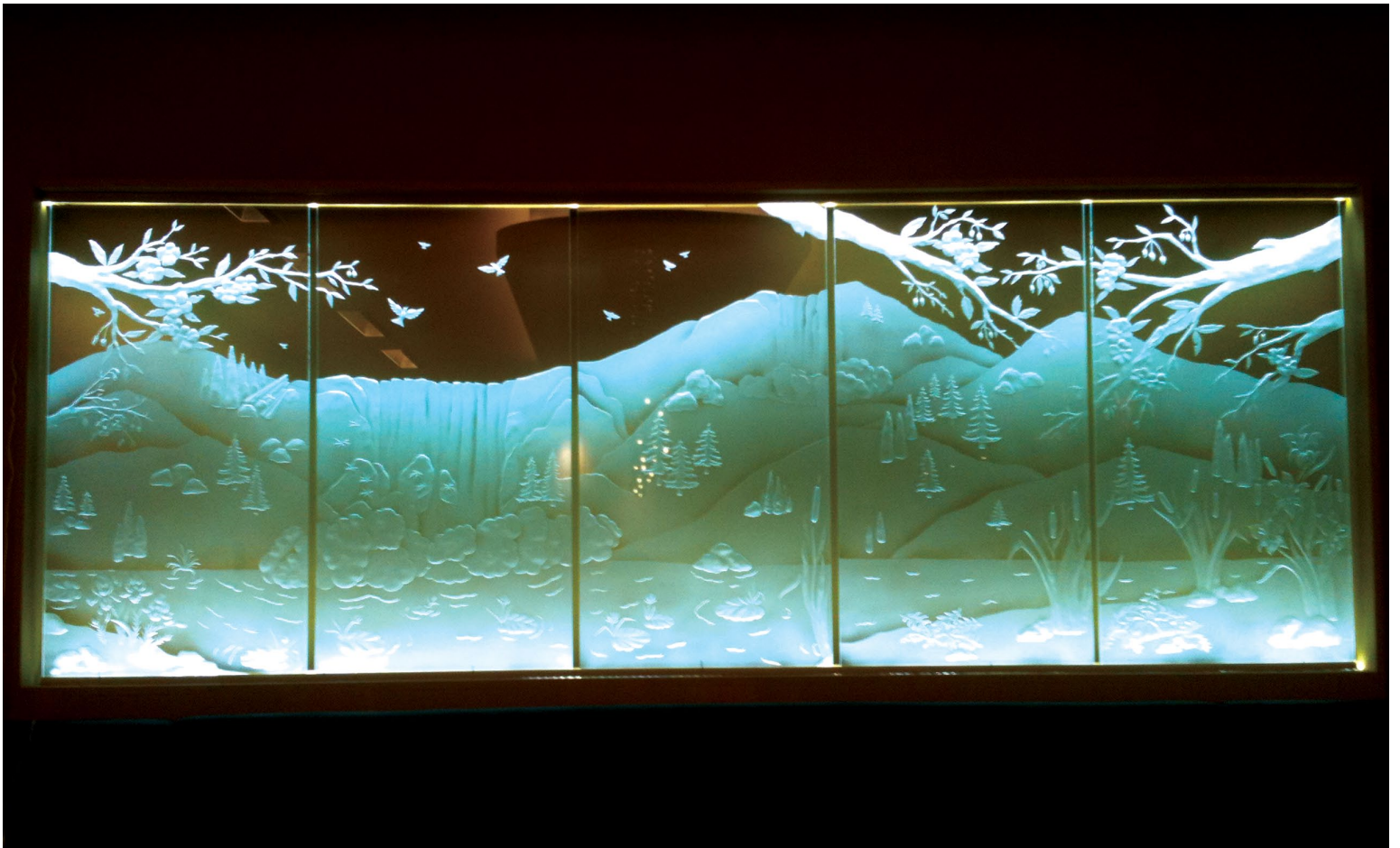
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LED Strip Light Collection

Known as tape light or ribbon light, Diode LED Strip Lights have it all. They are flexible, cuttable, dimmable, and low-profile, so they can be used virtually anywhere. Diode LED Strip Light is a 12V or 24V light source that draws less wattage than traditional incandescent light, making it an economical and energy-efficient alternative to traditional lighting. It comes with a 3M™ adhesive backing, which allows for easy mounting on a dry, clean surface. We offer a full line of LED strip lights that all operate in the same fashion, but vary in brightness, color, and application, to meet your individual needs.

- NEW** • EMBER Ambient Strip Light - A low output strip for paths and stairways
- FLUID VIEW Strip Light - Our standard strip
- NEW** • SIDEWINDER Vertical Strip Light - Light shines at a 90° angle from the strip
- BLAZE High Output Strip Light - Our most popular strip is twice as bright as FLUID VIEW
- NEW** • ULTRA BLAZE 24V High Output Strip Light - Extremely bright 24V task lighting

LED strip light can be used in all lighting situations, but especially:

- Kitchen cabinets / under cabinet task lighting
- Interior coves and nooks
- Display cases and shop windows
- Closets and pantries
- Soffits and hallways
- Architectural enhancements
- Staircase, step accents and toe kicks
- Presentations, light boxes, light tables, and exhibits
- Signs





EMBER Ambient Strip Light

EMBER Ambient Strip Light is ideal for those in need of a soft, low light linear installation. This LED strip is perfect for lighting pathways, stairs, railings, or for ambient and subtle accent lighting. This LED tape comes with a 3M™ adhesive backing which allows easy mounting almost anywhere, and emits light with a 120 degree light beam angle.

The low profile of the EMBER Ambient Strip Light allows for out-of-sight installation in many discreet locations and applications, and it's even dimmable. The flexible design and efficiency of this low wattage strip lighting make it ideal for lighting:

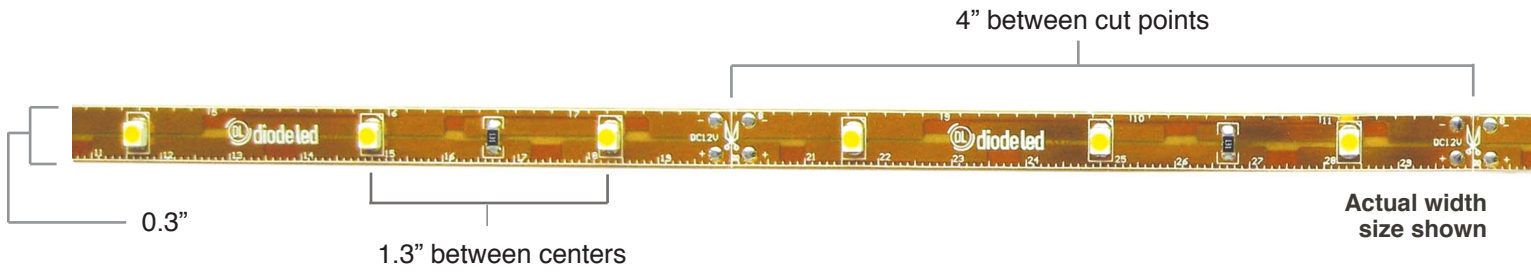
- Stairways and railings
- Marker lighting
- Theaters and cinemas
- Pathways and walkways
- Ambient lighting
- Interior cove lighting

The EMBER Ambient Strip Light can be powered by either a Plug-In Adapter (p. 74) or Hard-Wired Driver (p. 72). The EMBER Ambient Strip Light can be dimmed by our in-wall REIGN 12V/24V Dimmer Switches (p. 73) or by the Diode LED Hard-Wired Dimmable Drivers (p. 76).



Highlights

- **UL Listed**
- **Dimmable**
- **Field cuttable per UL 2108**
- Height: 0.1"
- Connectors: 3 foot bare lead wires on one end and a 12 inch white, female DC plug on the other end
- Voltage: 12V DC
- IP Rating: indoor
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**
- **Each 16.4 foot section requires a dedicated line from the power supply to avoid voltage drop.**



Technical Specifications: EMBER Ambient Strip Light

item #	length	color	color temp.	lumens / ft.	beam angle	power consumption / ft.	CRI	LEDs / ft.
DI-0080	16.4'	warm white	2700k	58	120°	0.72W / 60mA	75	9
DI-0081	16.4'	cool white	5000k	58	120°	0.72W / 60mA	80	9

Each 16.4 foot section requires a dedicated line from the power supply to avoid voltage drop. See how this product compares with our other products on the comparison chart on page 86.

Accessories



Strip Light Splice Connector

- 3.4" (item #DI-0732)
Qty of 25 (item #DI-0732-25)
Qty of 50 (item #DI-0732-50)
- 2 ft. (item #DI-0742)
Qty of 25 (item #DI-0742-25)
Qty of 50 (item #DI-0742-50)
- 4 ft. (item #DI-0743)
Qty of 25 (item #DI-0743-25)
Qty of 50 (item #DI-0743-50)
- 6 ft. (item #DI-0744)
Qty of 25 (item #DI-0744-25)
Qty of 50 (item #DI-0744-50)
- 8 ft. (item #DI-0745)
Qty of 25 (item #DI-0745-25)
Qty of 50 (item #DI-0745-50)

Connects EMBER Ambient Strip Light to a Hard-Wired Driver.



Strip-to-Strip Connector

(item #DI-0701) 0.7" x 0.4" x 0.1"
Connects sections of non-wet location EMBER Ambient Strip Light.



Strip Light Bending Extension

(item #DI-0722) 3" x 0.4"
Connects non-wet location single color EMBER Ambient Strip Light sections with a flexible joint with a bending range of 0° - 180°. See page 81 for more sizes.



Strip Light DC Plug Connector

(item #DI-0700) 5.4" x 0.4"
Connects non-wet location single color EMBER Ambient Strip Light to a Plug-In Adapter.



Adapter Splice Cable - female

(item #DI-0712F) 42" x 0.45"
When soldered to the EMBER Ambient Strip Light, this splice cable provides a connection to a Plug-In Adapter.



Adapter Splice Cable - male

(item #DI-0712M) 42" x 0.45"



39 Inch DC Extension Cable

(item #DI-0708) 39.4" x 0.5"
Creates an extension between any fixtures or accessories that use DC plugs.



DC Wire Plug

female white (item #DI-1713F)
male white (item #DI-1713M)
1.6" x 0.6" x 0.5"
Converts two-strand wire to a DC plug without soldering.



DC Splitter Plugs

2-Way (item #DI-0720) 5.7" x 0.4"
3-Way (item #DI-0705) 8" x 0.6"
5-Way (item #DI-0707) 8" x 0.6"
Connects several Strip Light to DC Plug Connectors to one Plug-In Adapter.



FLUID VIEW Strip Light

The FLUID VIEW Strip Light is a light fixture that has it all. It's flexible, field-cuttable every two inches to a custom length, and dimmable. It's extremely low-profile, at a tenth of an inch high and third of an inch wide, it can be used virtually anywhere. It's a 12V fixture that draws 1.44 Watts per foot, making it very economical. To top it off, it comes in a rainbow of colors: warm white, cool white, amber, pink, red, green, blue, and purple.

Each spool comes with both a DC plug and lead wires attached that allow for easy connection to a power source, whether a 12V Plug-In Adapter or Hard-Wired Driver, so it's plug-and-play. It comes with a 3M™ adhesive backing which allows for easy mounting on a clean, dry surface.

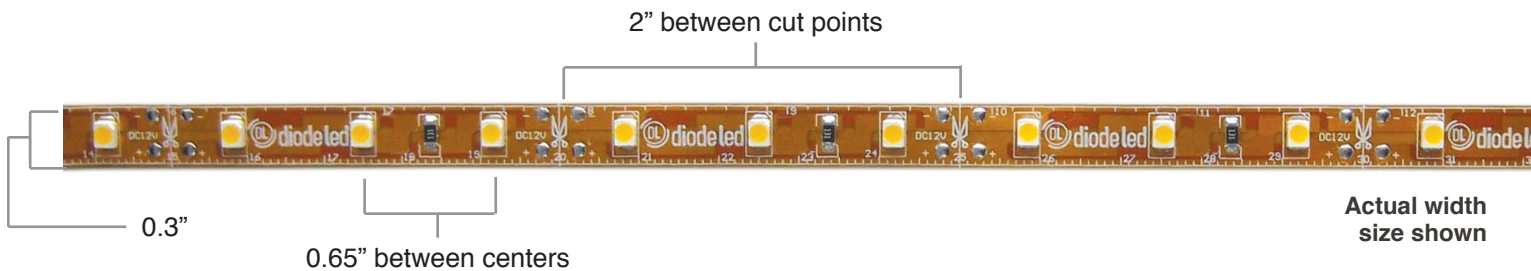
The FLUID VIEW Strip is applicable in all lighting situations like interior coves and nooks, cabinets, hallways, display cases, shop windows, and exhibits. Fluid View Strip Light is great for any close application lighting.

The FLUID VIEW Strip can be powered by either a Plug-In Adapter (p. 74) or Hard-Wired Driver (p. 72). And the FLUID VIEW Strip can be dimmed by our in-wall REIGN 12V/24V Dimmer Switches (p. 73) or by the Diode LED Hard-Wired Dimmable Drivers (p. 76).



Highlights

- **UL Listed**
- **Dimmable**
- **Field cuttable per UL 2108**
- Height: 0.1"
- Connectors: 16.4 ft. spools come with 3 foot bare lead wires on one end and a 12 inch white, female DC plug on the other end; 100 ft. spools come with 3 foot bare lead wires on both ends
- Voltage: 12V DC
- IP Rating: indoor
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**
- **Each 16.4 foot section requires a dedicated line from the power supply to avoid voltage drop.**



Technical Specifications: FLUID VIEW Strip Light

item #	length	color	color temp.	lumens / ft.	beam angle	power consumption / ft.	CRI	LEDs / ft.
DI-0001	16.4'	warm white	2700k	115	120°	1.44W / 120mA	75	18
DI-0010	100'	warm white	2700k	115	120°	1.44W / 120mA	75	18
DI-0002	16.4'	cool white	5000k	115	120°	1.44W / 120mA	80	18
DI-0011	100'	cool white	5000k	115	120°	1.44W / 120mA	80	18
DI-0003	16.4'	red	625nm	35	120°	1.44W / 120mA	n/a	18
DI-0004	16.4'	green	525nm	68	120°	1.44W / 120mA	n/a	18
DI-0005	16.4'	blue	465nm	18	120°	1.44W / 120mA	n/a	18
DI-0006	16.4'	amber	590nm	35	120°	1.44W / 120mA	n/a	18
DI-0007	16.4'	purple	435nm	2.5	120°	1.44W / 120mA	n/a	18
DI-0008	16.4'	pink	605nm	45	120°	1.44W / 120mA	n/a	18

Each 16.4 foot section requires a dedicated line from the power supply to avoid voltage drop.

See how this product compares with our other products on the comparison chart on page 86.

Accessories



Strip Light Splice Connector

- 3.4" (item #DI-0732)
Qty of 25 (item #DI-0732-25)
Qty of 50 (item #DI-0732-50)
- 2 ft. (item #DI-0742)
Qty of 25 (item #DI-0742-25)
Qty of 50 (item #DI-0742-50)
- 4 ft. (item #DI-0743)
Qty of 25 (item #DI-0743-25)
Qty of 50 (item #DI-0743-50)
- 6 ft. (item #DI-0744)
Qty of 25 (item #DI-0744-25)
Qty of 50 (item #DI-0744-50)
- 8 ft. (item #DI-0745)
Qty of 25 (item #DI-0745-25)
Qty of 50 (item #DI-0745-50)

Connects FLUID VIEW Strip Light to a Hard-Wired Driver.



Strip-to-Strip Connector

(item #DI-0701) 0.7" x 0.4" x 0.1"
Connects sections of non-wet location single color FLUID VIEW Strip Light.



Strip Light Bending Extension

(item #DI-0722) 3" x 0.4"
Connects non-wet location single color FLUID VIEW Strip Light sections with a flexible joint with a bending range of 0° - 180°. See page 81 for more sizes.



Strip Light DC Plug Connector

(item #DI-0700) 5.4" x 0.4"
Connects non-wet location single color FLUID VIEW Strip Light to a Plug-In Adapter.



Adapter Splice Cable - female

(item #DI-0712F) 42" x 0.45"
When soldered to the FLUID VIEW Strip Light, this splice cable provides a connection to a Plug-In Adapter.



Adapter Splice Cable - male

(item #DI-0712M) 42" x 0.45"



39 Inch DC Extension Cable

(item #DI-0708) 39.4" x 0.5"
Creates an extension between any fixtures or accessories that use DC plugs.



DC Wire Plug

female white (item #DI-1713F)
male white (item #DI-1713M)
1.6" x 0.6" x 0.5"
Converts two-strand wire to a DC plug without soldering.



DC Splitter Plugs

2-Way (item #DI-0720) 5.7" x 0.4"
3-Way (item #DI-0705) 8" x 0.6"
5-Way (item #DI-0707) 8" x 0.6"
Connects several Strip Light to DC Plug Connectors to one Plug-In Adapter.



SIDEWINDER Vertical Strip Light

SIDEWINDER Vertical Strip Light's low profile and narrow width allows use in many discreet locations. The depth of the SIDEWINDER Vertical Strip Light is a mere 0.2 inches, so it will fit virtually anywhere and comes with a 3M™ adhesive backing that permits easy mounting. The flat-style 12V LEDs cast light sideways at a 90 degree angle from the strip surface instead of straight out like all other Diode LED strip lights.

The flexible and thin low-profile design and high-intensity LED lighting make it ideal for:

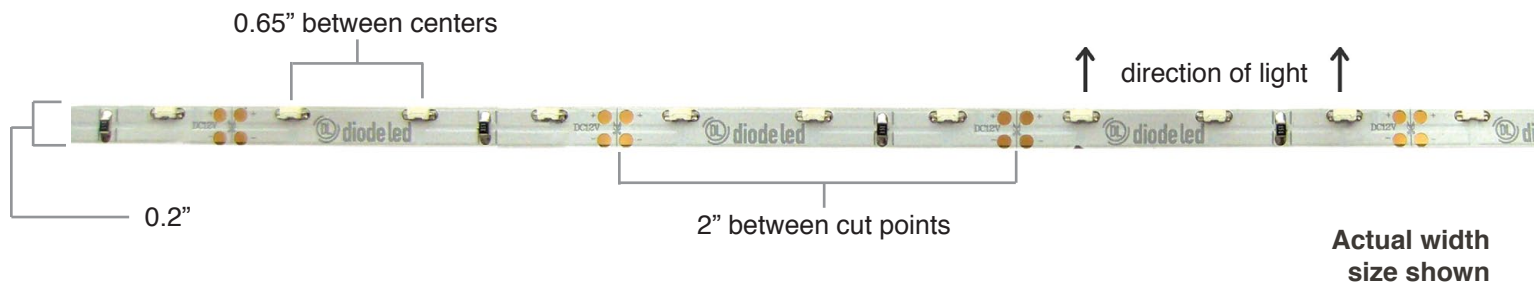
- Floorboard and stairway lighting
- Cove, closets and interior lighting
- Exhibit lighting
- Kitchen cabinet lighting
- Project lighting
- Close lighting task application

The SIDEWINDER Vertical Strip Light can be powered by either a Plug-In Adapter (p. 74) or Hard-Wired Driver (p. 72). And the SIDEWINDER Vertical Strip Light can be dimmed by our in-wall REIGN 12V/24V Dimmer Switches (p. 73) or by the Diode LED Hard-Wired Dimmable Drivers (p. 76).



Highlights

- **UL Listed**
- **Dimmable**
- **Field cuttable per UL 2108**
- Height: 0.05"
- Connectors: 3 foot bare lead wires on one end and a 12 inch white, female DC plug on the other end
- Voltage: 12V DC
- IP Rating: indoor
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**
- **Each 16.4 foot section requires a dedicated line from the power supply to avoid voltage drop.**



Technical Specifications: SIDEWINDER Vertical Strip Light

item #	length	color	color temp.	lumens / ft.	beam angle	power consumption / ft.	CRI	LEDs / ft.
DI-0025	16.4'	warm white	2700k	90	120°	1.44W / 120mA	75	18
DI-0026	16.4'	cool white	5000k	90	120°	1.44W / 120mA	80	18

Each 16.4 foot section requires a dedicated line from the power supply to avoid voltage drop.

The SIDEWINDER Vertical Strip Light is not compatible with strip light connectors and must be soldered at additional cut-points to connect to power. See how this product compares with our other products on the comparison chart on page 86.

Accessories



Two Strand Wire per foot

- 18 gauge - white (item #DI-0770-F), per 250 ft. spool (item #DI-0770-S)
- 18 gauge - brown (item #DI-0771-F), per 250 ft. spool (item #DI-0771-S)
- 18 gauge - clear (item #DI-0772-F), per 250 ft. spool (item #DI-0772-S)
- 14 gauge - white (item #DI-0784-F), per 250 ft. spool (item #DI-0784-S)
- 16 gauge - white (item #DI-0785-F), per 250 ft. spool (item #DI-0785-S)
- 20 gauge - white (item #DI-0786-F), per 250 ft. spool (item #DI-0786-S)

This two-strand wire connects SIDEWINDER Vertical Strip Light to a power source, creates extensions between sections of SIDEWINDER Vertical Strip Light, and allows for parallel runs of SIDEWINDER Vertical Strip Light. Available by the foot or by the 250 foot spool. For surface use or in-cabinet installations only (not rated for behind wall applications).



Adapter Splice Cable - female

(item #DI-0712F) 42" x 0.45"
When soldered to the SIDEWINDER Vertical Strip Light, this splice cable provides a connection to a Plug-In Adapter.



Adapter Splice Cable - male

(item #DI-0712M) 42" x 0.45"



REIGN 12V / 24V Dimmer Switches

(page 73)
The REIGN Dimmer is connected between the 12V or 24V DC power supply and 12V or 24V LED fixture, and offers 100%-0% dimming. Limit of 100W.



39 Inch DC Extension Cable

(item #DI-0708) 39.4" x 0.5"
Creates an extension between any fixtures or accessories that use DC plugs.



DC Wire Plug

female white (item #DI-1713F)
male white (item #DI-1713M)
1.6" x 0.6" x 0.5"
Converts two-strand wire to a DC plug without soldering.



DC Splitter Plugs

2-Way (item #DI-0720) 5.7" x 0.4"
3-Way (item #DI-0705) 8" x 0.6"
5-Way (item #DI-0707) 8" x 0.6"
Connects several Strip Light to DC Plug Connectors to one Plug-In Adapter.



BLAZE High Output Strip Light

BLAZE High Output Strip Light has twice as many LED chips as the FLUID VIEW Strip Light and offers twice the brightness. It has the same ultra-low profile as the FLUID VIEW strips, which means it will fit in almost any lighting installation. It is flexible, field cuttable every inch, and comes with a 3M™ adhesive backing that ensures easy mounting on any clean, flat, dry surface.

This flat LED strip emits light in a 120° light beam angle. The BLAZE High Output Strip is packed with high power surface mount diode (SMD) LEDs that combine to make a brighter, cheaper, and warmer light than almost any fluorescent or incandescent fixture. There is no scalloping, just a completely even line of light.

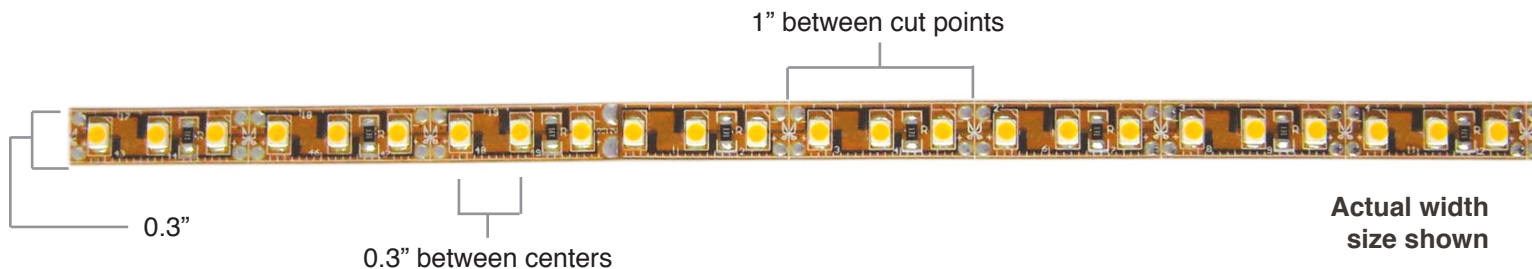
Although BLAZE strips are twice as bright as standard strips, they use a mere 2.9 Watts of electricity per foot! This strip features LED lights that, unlike halogen fixtures, emit very little heat. The energy efficiency, flexible design, and high intensity of LED strip lighting make it optimal for these home and commercial lighting situations:

- Kitchen cabinet, under cabinet, shelf, and case lighting
- Exhibit, presentation, and project lighting
- Close application task lighting
- Cove and interior accent lighting
- Shop windows, window displays, display case lights, and uplighting
- Light boxes and interior signage



Highlights

- **UL Listed**
- **Dimmable**
- **Field cuttable per UL 2108**
- Height: 0.1"
- Connectors: 16.4 ft. spools come with 3 foot bare lead wires on one end and a 12 inch white, female DC plug on the other end; 100 ft. spools come with 3 foot bare lead wires on both ends
- Voltage: 12V DC
- IP Rating: indoor
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**
- **Each 16.4 foot section requires a dedicated line from the power supply to avoid voltage drop.**



Technical Specifications: BLAZE High Output Strip Light

item #	length	color	color temp.	lumens / ft.	beam angle	power consumption / ft.	CRI	LEDs / ft.
DI-0090	16.4'	warm white	2700k	240	120°	2.9W / 240mA	75	36
DI-0012	100'	warm white	2700k	240	120°	2.9W / 240mA	75	36
DI-0091	16.4'	cool white	5000k	240	120°	2.9W / 240mA	80	36
DI-0013	100'	cool white	5000k	240	120°	2.9W / 240mA	80	36

Each 16.4 foot section requires a dedicated line from the power supply to avoid voltage drop.
See how this product compares with our other products on the comparison chart on page 86.

Accessories



Strip Light Splice Connector

3.4" (item #DI-0732)
Qty of 25 (item #DI-0732-25)
Qty of 50 (item #DI-0732-50)
2 ft. (item #DI-0742)
Qty of 25 (item #DI-0742-25)
Qty of 50 (item #DI-0742-50)
4 ft. (item #DI-0743)
Qty of 25 (item #DI-0743-25)
Qty of 50 (item #DI-0743-50)
6 ft. (item #DI-0744)
Qty of 25 (item #DI-0744-25)
Qty of 50 (item #DI-0744-50)
8 ft. (item #DI-0745)
Qty of 25 (item #DI-0745-25)
Qty of 50 (item #DI-0745-50)

Connects BLAZE High Output Strip Light to a Hard-Wired Driver.



Strip-to-Strip Connector

(item #DI-0701) 0.7" x 0.4" x 0.1"
Connects sections of non-wet location single color BLAZE High Output Strip Light.



Strip Light Bending Extension

(item #DI-0722) 3" x 0.4"
Connects non-wet location single color BLAZE High Output Strip Light sections with a flexible joint with a bending range of 0° - 180°. See page 81 for more sizes.



Strip Light DC Plug Connector

(item #DI-0700) 5.4" x 0.4"
Connects non-waterproof single color BLAZE High Output Strip Light to a Plug-In Adapter.



Adapter Splice Cable - female

(item #DI-0712F) 42" x 0.45"
When soldered to the BLAZE High Output Strip Light, this splice cable provides a connection to a Plug-In Adapter.



Adapter Splice Cable - male

(item #DI-0712M) 42" x 0.45"



1 Meter DC Extension Cable

(item #DI-0708) 40" x 0.5"
Creates an extension between any fixtures or accessories that use DC plugs.



DC Wire Plug

female white (item #DI-1713F)
male white (item #DI-1713M)
1.6" x 0.6" x 0.5"
Converts two-strand wire to a DC plug without soldering.



DC Splitter Plugs

2-Way (item #DI-0720) 5.7" x 0.4"
3-Way (item #DI-0705) 8" x 0.6"
5-Way (item #DI-0707) 8" x 0.6"
Connects several Strip Light to DC Plug Connectors to one Plug-In Adapter.



ULTRA BLAZE In 12V or 24V High Output Strip Light

ULTRA BLAZE High Output Strip Light is a super bright LED strip that is 50% brighter than BLAZE High Output Strip Light and four times as bright as FLUID VIEW Strip Light. The ULTRA BLAZE High Output Strip Light is packed with high power 5050 tri-chip surface mount diode (SMD) LEDs that combine to make a brighter, more value-driven, and warmer light than any fluorescent or incandescent fixture.

This LED strip light is very low profile, flexible, field-cutttable every two inches, and comes with a 3M™ adhesive backing that ensures easy mounting virtually anywhere. The flat LED strip emits light in a wide 120° light beam angle. This LED strip light is sold in a 20 foot spool with a white surface PCB instead of the standard copper PCB of most of our other LED strip lights.

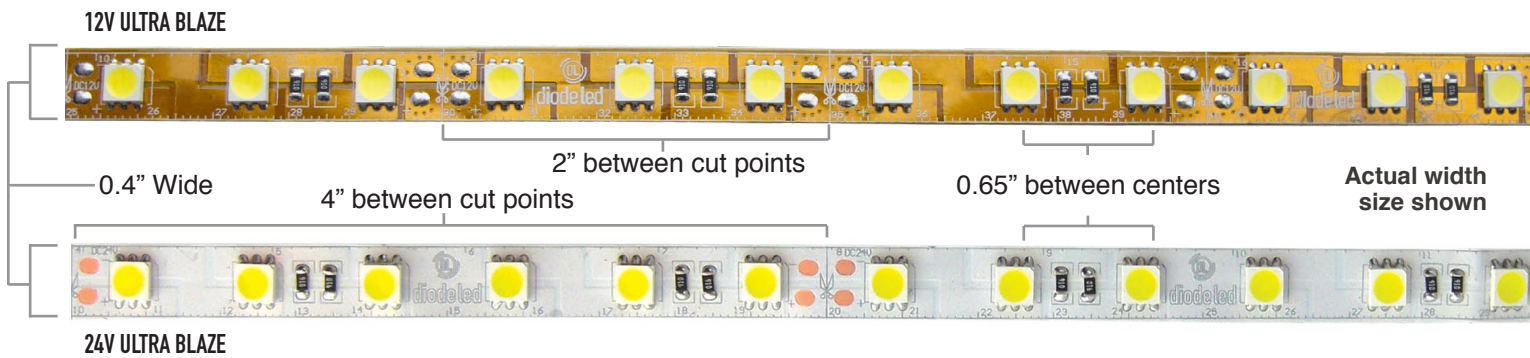
ULTRA BLAZE High Output Strip Light is energy-saving, low heat, and safe, so it's optimal for these indoor home and retail lighting situations:

- Shop windows, window displays, and display case lights
- Light boxes, interior sign and signage light
- Display case lighting
- Exhibit, presentation, and project lighting
- Cabinet and shelf lighting
- Task lighting
- Indirect home lighting



Highlights

- **UL Listed**
- **Dimmable**
- **Field cuttable per UL 2108**
- **Voltage: 12V or 24V DC**
(see details on the next page)
- Height: 0.1"
- Connectors: 3 foot bare lead wires on one end and a 12 inch white, female DC plug on the other end.
- White PCB allows for a more reflective and higher lumen efficient output, while the copper finish blends into darker environments.
- IP Rating: indoor
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**
- **Each maximum run of strip light requires a dedicated line from the power supply to avoid voltage drop.**
12V maximum run: 20 feet
24V maximum run: 40 feet



Technical Specifications: ULTRA BLAZE 12V High Output Strip Light

item #	length	color	color temp.	lumens / ft.	beam angle	voltage	power consumption / ft.	CRI	LEDs / ft.
DI-0094	16.3'	warm white	2700k	360	120°	12V DC	4.4W / 363mA	75	18
DI-0018	100'	warm white	2700k	360	120°	12V DC	4.4W / 363mA	75	18
DI-0095	16.3'	cool white	5000k	360	120°	12V DC	4.4W / 363mA	80	18
DI-0019	100'	cool white	5000k	360	120°	12V DC	4.4W / 363mA	80	18

Technical Specifications: ULTRA BLAZE 24V High Output Strip Light

item #	length	color	color temp.	lumens / ft.	beam angle	voltage	power consumption / ft.	CRI	LEDs / ft.
DI-0120	20'	warm white	2700k	360	120°	24V DC	4.4W / 180mA	75	18
DI-0014	100'	warm white	2700k	360	120°	24V DC	4.4W / 180mA	75	18
DI-0121	20'	cool white	5000k	360	120°	24V DC	4.4W / 180mA	80	18
DI-0015	100'	cool white	5000k	360	120°	24V DC	4.4W / 180mA	80	18

Accessories



ULTRA BLAZE Splice Connector

- 3.4" (item #DI-0735)
Qty of 25 (item #DI-0735-25)
Qty of 50 (item #DI-0735-50)
- 2 ft. (item #DI-0736)
Qty of 25 (item #DI-0736-25)
Qty of 50 (item #DI-0736-50)
- 4 ft. (item #DI-0737)
Qty of 25 (item #DI-0737-25)
Qty of 50 (item #DI-0737-50)
- 6 ft. (item #DI-0738)
Qty of 25 (item #DI-0738-25)
Qty of 50 (item #DI-0738-50)
- 8 ft. (item #DI-0739)
Qty of 25 (item #DI-0739-25)
Qty of 50 (item #DI-0739-50)

Connector for Hard-Wired installations.



ULTRA BLAZE Bending Extension

- 3 in. (item #DI-0733)
 - 2 ft. (item #DI-0795)
 - 4 ft. (item #DI-0796)
 - 6 ft. (item #DI-0797)
 - 8 ft. (item #DI-0798)
- Connects non-waterproof single color ULTRA BLAZE High Output Strip Light sections with a flexible joint with a bending range of 0° - 180°.



ULTRA BLAZE Strip-to-Strip Connector
(item #DI-0740) 0.7" x 0.4" x 0.1"
Connects sections of non-waterproof single color ULTRA BLAZE High Output Strip Light.



ULTRA BLAZE DC Plug Connector
(item #DI-0721) 5.4" x 0.4"
Connects non-waterproof single color ULTRA BLAZE High Output Strip Light to a Plug-In Adapter.



39 Inch DC Extension Cable
(item #DI-0708) 39.4" x 0.5"
Creates an extension between any fixtures or accessories that use DC plugs.



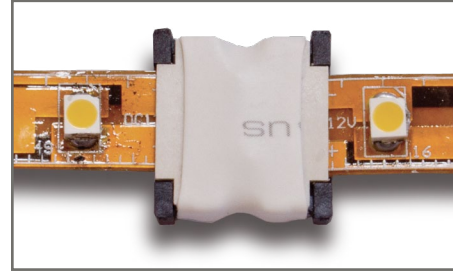
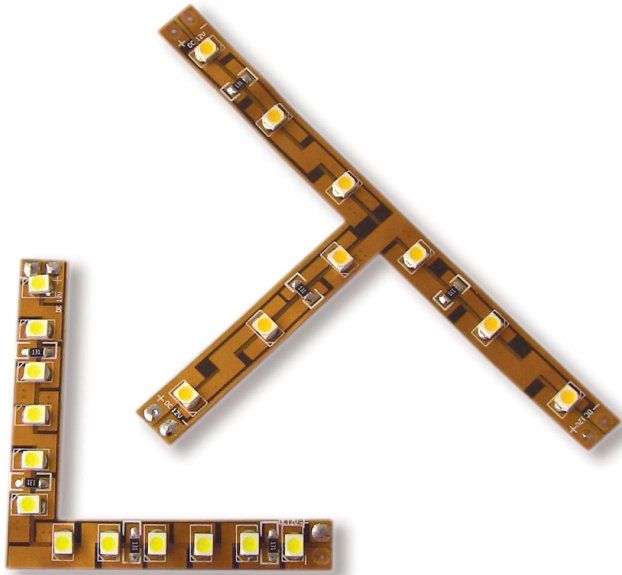
Adapter Splice Cable - male
(item #DI-0712M) 42" x 0.45"



Adapter Splice Cable - female
(item #DI-0712F) 42" x 0.45"
When soldered to the Strip Light, this splice cable provides a connection to a Plug-In Adapter.

Strip Light L and T Sections

These L- and T-shaped strip light sections create corners and junctions with the use of the Strip-to-Strip Connector (item #DI-0701) or by soldering the sections together.

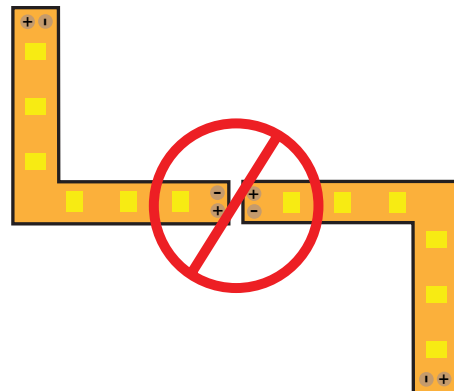
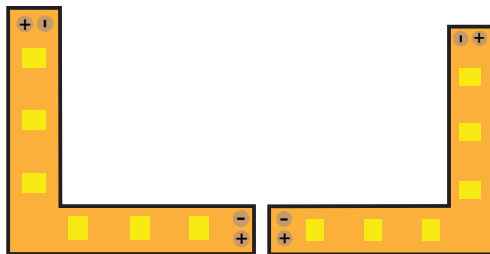


Shown with the Strip-to-Strip Connector (item #DI-0701)



item #	strip type	shape	dimensions	color	color temp.	lumens	power consumption / ft.	# of LEDs
DI-0001-L	FLUID VIEW	L	2" x 2" x 0.3"	warm white	2700k	40	1W / 83mA	6
DI-0002-L	FLUID VIEW	L	2" x 2" x 0.3"	cool white	5000k	40	1W / 83mA	6
DI-0090-L	BLAZE	L	2" x 2" x 0.3"	warm white	2700k	78	2W / 167mA	12
DI-0091-L	BLAZE	L	2" x 2" x 0.3"	cool white	5000k	78	2W / 167mA	12
DI-0001-T	FLUID VIEW	T	4" x 2.1" x 0.3"	warm white	2700k	58	1W / 83mA	9
DI-0002-T	FLUID VIEW	T	4" x 2.1" x 0.3"	cool white	5000k	58	1W / 83mA	9
DI-0090-T	BLAZE	T	4" x 2.1" x 0.3"	warm white	2700k	117	2W / 167mA	18
DI-0091-T	BLAZE	T	4" x 2.1" x 0.3"	cool white	5000k	117	2W / 167mA	18

Warning: Please note the polarity of the Strip Light L Section when configuring your installation (see below), and be sure match + with + and - with - .



LED Strip Light Kits

We offer LED Light kits as a quick and easy way to get everything you need for an LED lighting installation. Each plug-and-play kit includes LED lights, a Plug-In Adapter, an Inline Dimmer Switch or Inline On/Off Switch, and assorted DC connectors that help give you a maximum of installation options. These are self-contained kits and need no special tools for assembly.

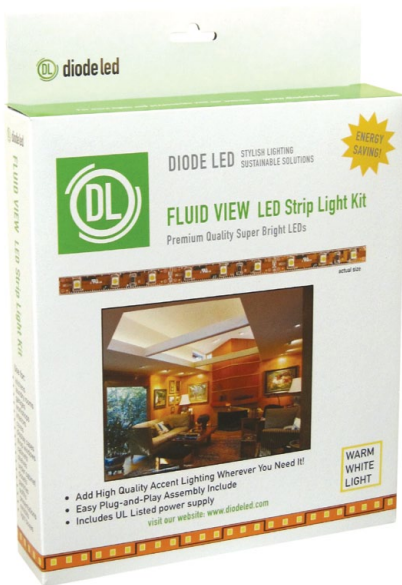
Control your environment in minutes!

- *Plug-and-play*
- *Do it yourself*
- *Minutes to assemble*
- *No tools required*
- *Strip has 3M™ adhesive backing*



**BLAZE High Output
16 Foot Strip Light Kit**
warm white (item #DI-0189)
cool white (item #DI-0190)

Includes:
1 x 16.4' spool BLAZE Strip
1 x Inline Dimmer Switch
1 x 60 Watt Plug-In Adapter
1 x 39 Inch DC Extension Cable
1 x wiring diagram



**FLUID VIEW
16 Foot Strip Light Kit**
warm white (item #DI-0187)
cool white (item #DI-0188)

Includes:
1 x 16.4' spool FLUID VIEW Strip
1 x Inline On/Off Switch
1 x 36 Watt Plug-In Adapter
1 x 39 Inch DC Extension Cable
1 x wiring diagram



**BLAZE High Output
1 Foot Strip Light Kit**
warm white (item #DI-0191)

Includes:
1 x 1 foot section of BLAZE Strip
1 x 39 Inch DC Extension Cable
1 x Inline On/Off Switch
1 x 12 Watt Plug-In Adapter
1 x wiring diagram



2700k

*Customize the
color of your life!*

5500k

K-Range Tunable Color Strip Light



K-Range Tunable Color Strip Light gives you total control over the white color temperature of your LED lighting. With the K-Range Dual Slide Switch you can choose the exact shade of white light for your LED lighting, as well as dim your lights from 100% to 5%. This strip light enables you to set up dimmable, color-temperature-controlled white LED lights.

The K-Range Tunable Strip Light offers full tuning of color temperature, from warm white (2700k) to cool white (5500k) with every color temperature in between. This strip uses a mix of warm white, neutral white, and cool white LED's, which the K-Range Dual Slide 12V Switch dims and brightens to allow you to smoothly and easily transition between color temperatures.

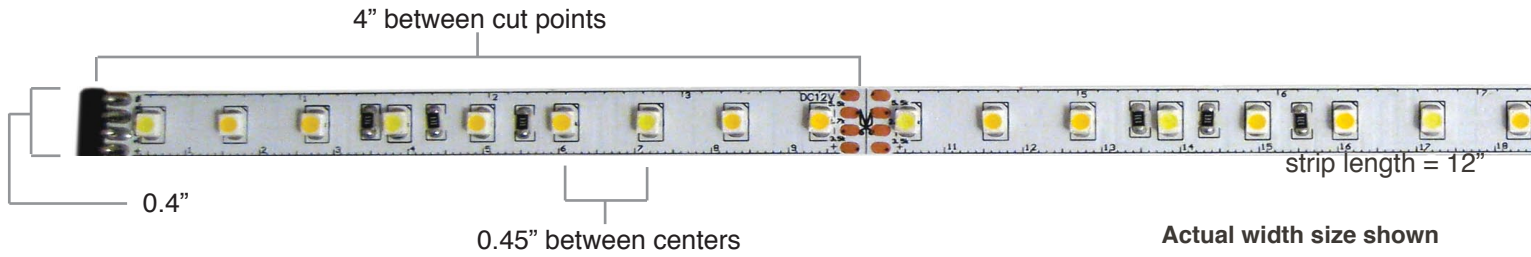
K-Range Tunable Color Strip Light comes in one foot sections, and a maximum of 16 one-foot strip sections can be seamlessly connected together in a continuous sequence. Runs longer than 16 feet can be configured, but each run needs to be hard-wired back to the power supply. These additional accessories are essential for a K-Range Strip installation: the K-Range Dual Slide 12V Switch (DI-1100) and one K-Range Strip-to-Strip Connector (DI-1102) for each foot of strip light. Each strip comes with 3M™ adhesive tape on the back for easy mounting.

The K-Range Tunable Color Strip Light can be powered by either a 12V Non-Dimmable Hard-Wired Driver (p. 72) or a 12V Plug-In Adapter (p. 24). The K-Range Dual Slide Switch (p. 21) fits into a standard light switch wall outlet and has two lead wires to connect to 12V DC power.

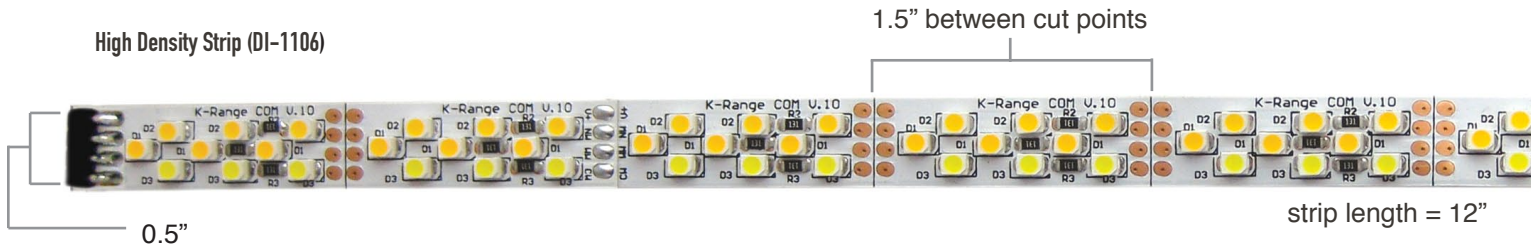
Highlights

- **UL Listed**
- **Dimmable**
- Length: 12"
- Width: 0.4" (standard), 0.5" (high density)
- Height: 0.1"
- Voltage: 12V DC
- IP Rating: indoor
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**
- **Not compatible with Strip Light Channels**
- **Each 16.4 foot section requires a dedicated line from the power supply to avoid voltage drop.**

Standard Density Strip (DI-1101)



High Density Strip (DI-1106)



Technical Specifications: K-Range Tunable Color Strip Light

item #	type	color temp.	lumens / ft.	beam angle	power consumption / ft.	CRI	LEDs / ft.	max. run
DI-1101	standard	2700k - 5500k	162-189	120°	2.2W / 180mA	70-75	27	16 ft.
DI-1106	high density	2700k - 5500k	432-504	120°	5.8W / 480mA	70-75	72	16 ft.

Each 16.4 foot section requires a dedicated line from the power supply to avoid voltage drop.

See how this product compares with our other products on the comparison chart on page 86.

Accessories



K-Range Dual Slide 12V Switch

4.2" x 2.2" x 1.7"

white (item #DI-1100-W)

The right slider of this switch controls the color temperature of K-Range Tunable Color Strip Light while the left slider dims the strip light from 100% to 5%. The switch includes a K-Range Strip Light to Controller Connector (item #DI-1105) that plugs directly into the K-Range Tunable Color Strip Light or the K-Range Strip Light 39 Inch Extension (item #DI-1103), and two lead wires to connect to 12V power. **ETL Listed. Conforms to UL 508.**



K-Range Strip-to-Strip Connector

(item #DI-1102) 0.45" x 0.1"

Seamlessly connects two sections of K-Range Tunable Color Strip Light. *One connector is included with each foot of strip light.*



K-Range Strip Light to Controller Connector

(item #DI-1105) 6" x 0.45" x 0.15"

Connects the initial section of K-Range Tunable Color Strip Light to the K-Range Dual Slide Switch (item #DI-1100-W). *One connector is included with each switch.*



K-Range Splitter Plug

(item #DI-1104) 0.45" x 0.1"

Connects three sections of K-Range Tunable Color Strip Light to one power source. 60 Watt limit.

For use with the K-Range Strip Light Extension. (item #DI-1103)



K-Range Strip Light 39 Inch Extension

(item #DI-1103) 39.4" x 0.45" x 0.15"

Creates an extension between K-Range Tunable Color Strip Light sections, or between the K-Range Dual Slide Switch (item #DI-1100-W) and the K-Range Tunable Color Strip Light.



22/4 Wire

per foot (item #DI-0769-F) 0.4" x 0.1"

This four-strand, 22 gauge wire creates extensions between sections of K-Range Tunable Color Strip Light. Available by the foot.



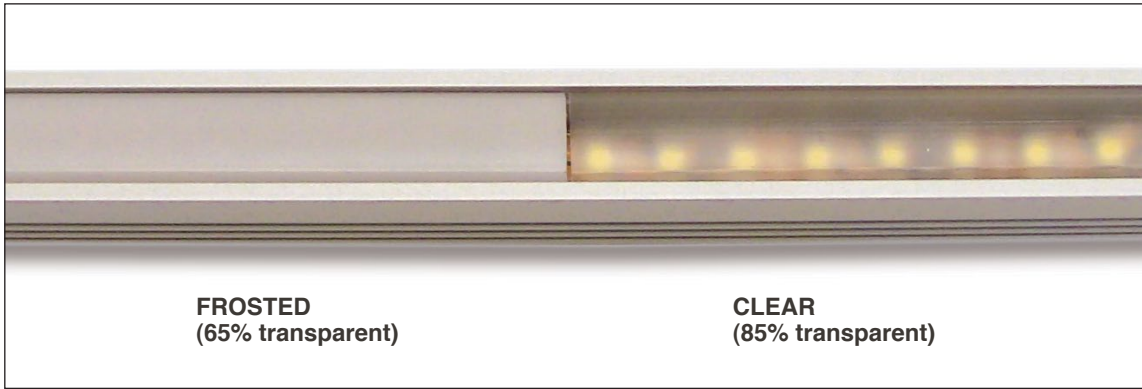
Strip Light Channels



- NOOK** (45°) (item #DI-1052), 39.4" x 0.7" x 0.7"
- ORB** (round) (item #DI-1051), 39.4" x 0.7" x 0.6"
- QUAD** (square) (item #DI-1050), 39.4" x 0.6" x 0.5"
- SLIM** (low profile) (item #DI-1053), 39.4" x 0.6" x 0.24"

Strip Light Channels protect and provide light diffusion for EMBER Ambient, FLUID VIEW, BLAZE, SIDEWINDER, ULTRA BLAZE, SPECTRUM RGB, and DAZZLE High Output RGB Strip Lights. They are not compatible with K-RANGE Tunable Color Strip Light. The sturdy but lightweight matte anodized aluminum Channels are available in four versions: the QUAD is a square-shaped channel that mounts flush on a surface; the ORB has a rounded shape that lets you adjust the angle of the channel; the NOOK has a right-angled shape that allows for mounting in a corner so that light shines at a 45° angle; and the SLIM is a low-profile channel. Strip Light Channels can be installed on a flat horizontal or vertical surface with Mounting Clips, or sealed and hung from a ceiling using Extended Hanger End Caps. Choose a Frosted Channel Cover to diffuse and soften the illumination from the strip light, or a Clear Channel Cover to just shield the strip light from dust. Channels are cuttable and can be mounted end to end to any total length.

Channels are sold per piece. Channel Covers, End Caps, and Mounting Clips are sold separately.



Strip Light Channel Cover

Strip Light Channel Cover

39.4" x 0.4"

Frosted (item #DI-1060), Clear (item #DI-1061)

The Frosted Strip Light Channel Cover softens the illumination from the strip light, and eliminates spots and shadows while protecting your lights. The Clear Channel Cover shields the strip light from dust, but doesn't fully diffuse the light. Both Channel Covers give strip light a professional look and make them easy to clean. Both Channel Covers are easy to install: just slide it into the existing slot in the Strip Light Channel. Channel covers are cuttable with scissors.

Channel Covers are sold per piece. Channels, End Caps, and Mounting Clips are sold separately.

It is recommended that adequate airflow and heatsink be taken into account in the application and installation of this product.

Strip Light Channel Hardware

Strip Light Channel hardware

End Caps provide a seal for Strip Light Channels. Extended Hanger End Caps seal and provide a hanger mechanism for hanging the channel from a ceiling: each Extended Hanger End Cap features a hole through which hanger wire can be strung. Mounting Clips help securely mount Strip Light Channels on flat surfaces. A pair of End Caps is necessary for each installation. *All Strip Light Channel End Caps and Mounting Clips are sold per piece, separately from Channels and Channel Covers.*



QUAD Channel End Cap
(item #DI-1080) 0.6" x 0.5" x 0.4"



ORB Channel End Cap
(item #DI-1081) 0.6" x 0.7" x 0.4"



NOOK Channel End Cap
(item #DI-1082) 0.7" x 0.7" x 0.4"



SLIM Channel End Cap
(item #DI-1085) 0.6" x 0.37" x 0.24"



SLIM Channel Hanger End Cap
(item #DI-1086) 0.6" x 0.7" x 0.24"



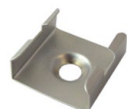
QUAD Extended Hanger End Cap
(item #DI-1083) 0.6" x 0.5" x 0.8"



ORB Extended Hanger End Cap
(item #DI-1084) 0.6" x 0.7" x 0.8"



ORB / QUAD / SLIM Mounting Clip
(item #DI-1070) 0.8" x 0.6" x 0.3"



NOOK 45° Mounting Clip
(item #DI-1071) 0.8" x 0.8" x 0.3"



1541



Wet Location LED Strip Light Collection

Wet Location Strip Light is a commercial-grade waterproof strip designed for both outdoor and indoor home and business use. The strip light is the same as the dry location strip, but is protected by water resistant silicone for a variety of applications where water is factor. It has a wet location rating of IP68 and is not recommended in submersible installations. Drawing only a few Watts of power per foot, these strips are dimmable and extremely energy-efficient. FLUID VIEW and BLAZE Wet Location Strip Lights are only a quarter inch high by a third of an inch wide, so they can be installed virtually anywhere.

- FLUID VIEW Wet Location Strip Light - Our standard strip
- BLAZE Wet Location High Output Strip Light - Our most popular strip is twice as bright as FLUID VIEW

A wide variety of outdoor and indoor locations can be lit with our wet location strip lights:

- Boats and yachts (no additional power supply needed)
- Automotive (no additional power supply needed)
- Restaurants and retail stores
- Exterior and interior decorative and accent lighting
- Garden, deck, and patio lighting
- Wine cellars (no UV emissions and low heat)
- Outdoor event lighting
- Pathways, toe kicks, and stairways

Not recommended as submersible or for use in or around treated, chlorinated or salt water. Please see individual Product Specification Sheets for complete details at www.DiodeLED.com.





FLUID VIEW Wet Location Strip Light

FLUID VIEW Wet Location Strip Light is commercial-grade strip designed for outdoor and indoor home and business use and is waterproof (but not submersible) with a wet location rating of IP 68. Drawing only 1.44 watts of power per foot, these dimmable strips are extremely energy-efficient. This flat strip is only a quarter inch high by a third of an inch wide, so it can be installed virtually anywhere.

Boat owners find FLUID VIEWS great for onboard deck lighting, galleys, and sleeping quarters. Automotive experts use them for footwell illumination, in the glove box, under the chassis, or even under the hood. These strip lights are ideal for restaurants and retail stores; decorative and accent lighting; garden, deck, and patio lighting; boats and camping. They can be used for lighting art, food, and wine cellars (no UV emissions and low heat); trade show exhibits and outdoor tent lighting; under cabinet lighting, bookshelves, cupboards, and drawers. They also light pathways, stairways, and architectural models.

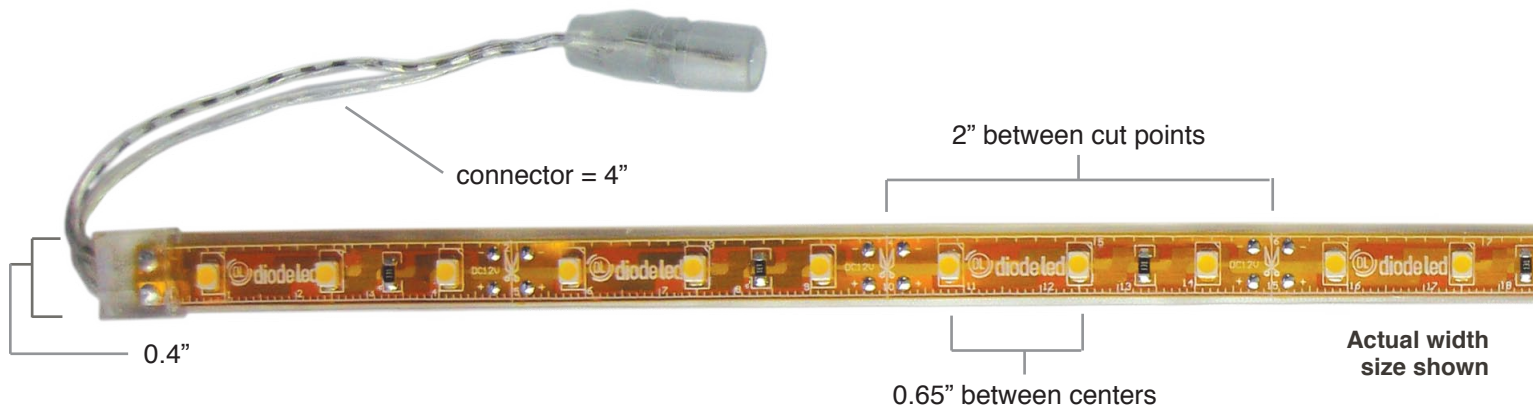
For simple assembly, connect the strip to our Waterproof Plug to DC Adapter Connector (DI-0710) and a Plug-In Adapter (p. 74). Each spool comes with a **pair of Waterproof Solder Connectors** to connect the strip to a Hard-Wired Driver. The FLUID VIEW can also be powered by any of our hard-wired dimmable drivers (p. 76) which connect to household wiring and a 120V AC dimmer. The wet location FLUID VIEW is installed by simply mounting it where you wish with the **9 clips, 18 screws, 5 end caps, and 1 Waterproof Solder Connector Pair** that are included with each spool.

Not recommended as submersible or for use in or around treated, chlorinated or salt water.



Highlights

- **UL Listed**
- **Dimmable**
- Height: 0.25"
- Connector: 4" waterproof plug
- Voltage: 12V DC
- IP Rating: wet location / outdoor
- Lamp Life: 50,000 hours
- 9 clips, 18 screws, 5 end caps, and 1 Waterproof Solder Connector Pair are included with each spool.
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**
- **Each 19 foot section (two 9.5 foot spools) requires a dedicated line from the power supply to avoid voltage drop.**



Technical Specifications: FLUID VIEW Wet Location Strip Light

item #	length	color	color temp.	lumens / ft.	beam angle	power consumption / ft.	IP rating	CRI	LEDs / ft.
DI-0051	9.5'	warm white	2700k	115	120°	1.44W / 120mA	IP68	75	18
DI-0052	9.5'	cool white	5000k	115	120°	1.44W / 120mA	IP68	80	18
DI-0053	9.5'	red	625nm	35	120°	1.44W / 120mA	IP68	n/a	18
DI-0054	9.5'	green	525nm	68	120°	1.44W / 120mA	IP68	n/a	18
DI-0055	9.5'	blue	465nm	18	120°	1.44W / 120mA	IP68	n/a	18
DI-0056	9.5'	amber	590nm	35	120°	1.44W / 120mA	IP68	n/a	18
DI-0057	9.5'	purple	435nm	2.5	120°	1.44W / 120mA	IP68	n/a	18
DI-0058	9.5'	pink	605nm	45	120°	1.44W / 120mA	IP68	n/a	18

Each 19 foot section (two 9.5 foot spools) requires a dedicated line from the power supply to avoid voltage drop. See how this product compares with our other products on the comparison chart on page 86.

Accessories



Waterproof Plug to DC Adapter Connector
female (item #DI-0710F) 7.5" x 0.4"
male (item #DI-0710M) 7.5" x 0.3"
 Connects single color FLUID VIEW Wet Location Strip Light to a Plug-In Adapter and to DC accessories.



Waterproof Male to Female Extension Cables
 Available Lengths: 6" (item #DI-0757),
 12" (item #DI-0758), 24" (item #DI-0759),
 39" (item #DI-0709)
 Connector Width: 0.3"
 Creates an extension between FLUID VIEW Wet Location Strip Light sections.



Additional Wet Location Strip Light Mounting Clips
 (item #DI-0754) 0.9" x 0.2" x 0.2"
 Qty of 10 clips and 20 Phillips head screws.
 (9 clips, 18 screws, 5 end caps, and 1 Waterproof Solder Connector Pair are included with each spool.)



Wet Location Strip Light Sealing Kit
 (item #DI-0762)
 caps: 0.9" x 0.2" x 0.2"
 Includes 10 end caps (item #DI-0755) and one 1.5 oz. tube of sealant (item #DI-0756).



Waterproof Splitter Cable
 2-way (item #DI-0804)
 3-way (item #DI-0805)
 5-way (item #DI-0806)
 8" x 1" x 0.3"
 Connects several sections of single color FLUID VIEW Wet Location Strip Light to one power source.



Waterproof Solder Connector Pair
 (item #DI-0725) 4.7" x 0.3"
 Connects FLUID VIEW Wet Location Strip Light to a Hard-Wired Driver. One pair included with each spool.



Adapter Splice Cable - female
 (item #DI-0712F) 42" x 0.45"
 Connects FLUID VIEW Wet Location Strip Light to a Hard-Wired Driver without cutting wires.



Adapter Splice Cable - male
 (item #DI-0712M) 42" x 0.45"



BLAZE Wet Location High Output Strip Light

BLAZE Wet Location High Output Strip Light has twice as many LED chips as the FLUID VIEW Strip Light, so it offers twice the brightness. It has the same ultra-low profile as the FLUID VIEW strips, which means it will fit in almost any lighting installation. This flat strip is only a quarter inch high by a third of an inch wide, so it can be installed in many small or difficult locations.

Although BLAZE Wet Location High Output Strip Lights are twice as bright as standard strips, they use a mere 2.9 Watts of electricity per foot! This strip features LED lights that, unlike halogen fixtures, emit very little heat. The energy efficiency, flexible design, and high intensity of LED strip lighting make it optimal for these home and commercial lighting situations:

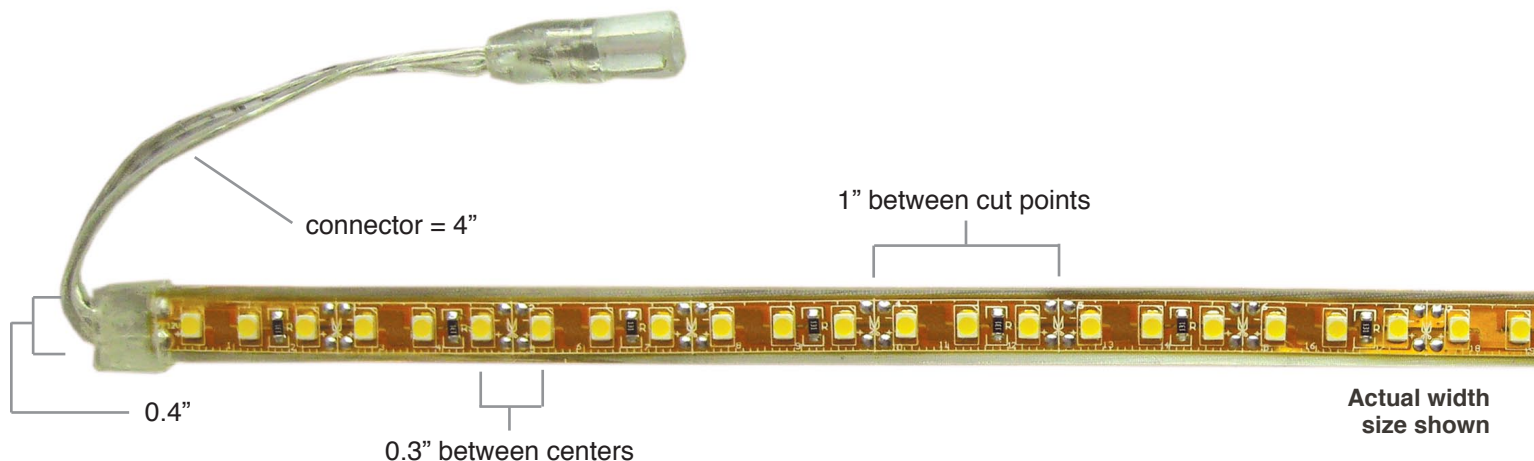
- Kitchen cabinet, under cabinet, shelf, and case lighting
- Exhibit, presentation, and project lighting
- Decks, porches, patios, gardens, trellises, gazebos, and steps
- Task, cove, and interior accent lighting
- Shop windows, window displays, display case lights, and uplighting
- Light boxes and interior signage

Each spool comes with a **pair of Waterproof Solder Connectors** to connect the strip to a Hard-Wired Driver. The BLAZE Wet Location High Output Strip Light can also be powered by any of our hard-wired dimmable drivers (p. 26) which connect to household wiring and a 120V AC dimmer. This strip light is installed by simply mounting it where you wish with the **9 clips, 18 screws, 5 end caps, and 1 Waterproof Solder Connector Pair** that are included with each spool. ***Not recommended as submersible or for use in or around treated, chlorinated or salt water.***



Highlights

- **UL Listed**
- **Dimmable**
- Height: 0.25"
- Connector: 4" waterproof plug
- Voltage: 12V DC
- IP Rating: wet location / outdoor
- Lamp Life: 50,000 hours
- 9 clips, 18 screws, 5 end caps, and 1 Waterproof Solder Connector Pair are included with each spool.
- **Each 19 foot section (two 9.5 foot spools) needs to be separately wired to the power supply to avoid voltage drop.**
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**



Technical Specifications: BLAZE Wet Location High Output Strip Light

item #	length	connector type	color	color temp.	lumens / ft.	power consumption / ft.	IP rating	CRI	LEDs / ft.
DI-0160	9.5'	waterproof	warm white	2700k	240	2.9W / 240mA	IP68	75	36
DI-0161	9.5'	waterproof	cool white	5000k	240	2.9W / 240mA	IP68	80	36

Each 19 foot section (two 9.5 foot spools) requires a dedicated line from the power supply to avoid voltage drop. See how this product compares with our other products on the comparison chart on page 86.

Accessories



Waterproof Plug to DC Adapter Connector female (item #DI-0710F) 7.5" x 0.4"
male (item #DI-0710M) 7.5" x 0.3"
 Connects single color BLAZE Wet Location Strip Light to a Plug-In Adapter and to DC accessories.



Waterproof Male to Female Extension Cables
 Available Lengths: 6" (item #DI-0757), 12" (item #DI-0758), 24" (item #DI-0759), 39" (item #DI-0709)
 Connector Width: 0.3"
 Creates an extension between BLAZE Wet Location Strip Light sections.



Additional Wet Location Strip Light Mounting Clips
 (item #DI-0754) 0.9" x 0.2" x 0.2"
 Qty of 10 clips and 20 Phillips head screws. (9 clips, 18 screws, 5 end caps, and 1 Waterproof Solder Connector Pair are already included with each spool.)



Wet Location Strip Light Sealing Kit
 (item #DI-0762)
 caps: 0.9" x 0.2" x 0.2"
 Includes 10 end caps (item #DI-0755) and one 1.5 oz. tube of sealant (item #DI-0756).



REIGN 12V / 24V Dimmer Switches
 (page 73)
 The REIGN Dimmer is connected between the 12V or 24V DC power supply and 12V or 24V LED fixture, and offers 100%-0% dimming. Limit of 100W.



Waterproof Splitter Cable
 2-way (item #DI-0804)
 3-way (item #DI-0805)
 5-way (item #DI-0806)
 8" x 1" x 0.3"
 Connects several sections of single color BLAZE Wet Location Strip Light to one power source.



Waterproof Solder Connector Pair
 (item #DI-0725) 4.7" x 0.3"
 Connects BLAZE Wet Location Strip Light to a Hard-Wired Driver. One pair included with each spool.



Adapter Splice Cable - female
 (item #DI-0712F) 42" x 0.45"
 Connects BLAZE Wet Location Strip Light to a Hard-Wired Driver without cutting wires.



Adapter Splice Cable - male
 (item #DI-0712M) 42" x 0.45"



DC Splitter Plugs
2-Way (item #DI-0720) 5.7" x 0.4"
3-Way (item #DI-0705) 8" x 0.6"
5-Way (item #DI-0707) 8" x 0.6"
 Connects several Strip Light to DC Plug Connectors to one Plug-In Adapter.





Color-Changing RGB Light Collection Overview

Color-changing RGB Lights are designed to establish ambiance with full-color, energy-efficient LED lighting. Paired with an RGB Controller, RGB lights can be programmed to flash, chase, strobe, etc., transforming ambient lighting into a dynamic, fun, and festive light show. They are available as Strip Lights and Light Bars for small to mid-sized social settings, and Wall Washers for larger locations that require more substantial coverage. Whether it is a cozy space, a decorative display, or an outdoor gala; Diode LED can help you create the mood.

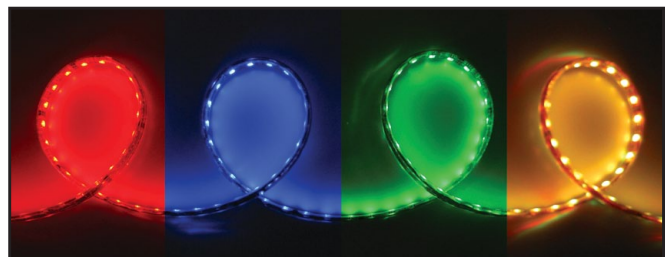
Color-changing RGB lights are available in many forms:

- SPECTRUM RGB Strip Light is our standard color-changing strip light
- DAZZLE High Output RGB Strip Light is twice as bright as the SPECTRUM RGB Strip Light
- TRUE FOCUS Color-Changing Tube Light offers an adjustable light direction
- CASCADE Wet Location RGB Light Bar is a sturdy bar that's brighter than the TRUE FOCUS RGB Tube
- SPLASH Industrial Series RGB Wall Washers are commercial-grade fixtures for architectural and event lighting

All of Diode LED's color-changing RGB Lights require one of our **RGB Color Controllers** (p. 48-49) to operate them, whether you need color-changing or static color modes for an installation. Diode LED also offers the **Apollo Jammer audio interface** (p. 48), a color controller that receives input from an audio device and commands RGB lights to respond in real time to the sound. RGB Strip Light installations longer than 16 feet require one of our **RGB Signal Amplifiers** (p. 47), which are available in standard, mini, and wet location versions.

Full color Lights are used in a wide range of applications:

- Restaurants, bars, and clubs
- Stages and theaters
- Living room, rec room or home entertainment center
- Parties and special events
- Outdoor and indoor architectural accenting
- Display cases and shop windows





SPECTRUM RGB Strip Light

Diode LED's SPECTRUM RGB Strip Lights are designed to establish ambiance and add color to interiors with eco-friendly, full-color LED lighting. SPECTRUM RGB Light Strips can be used creatively in a home or a business and are well suited for lighting spaces that require a low-profile, low-heat light source that has full color capabilities.

Because they can be field cut, Spectrum RGB Strip Lights fit well into:

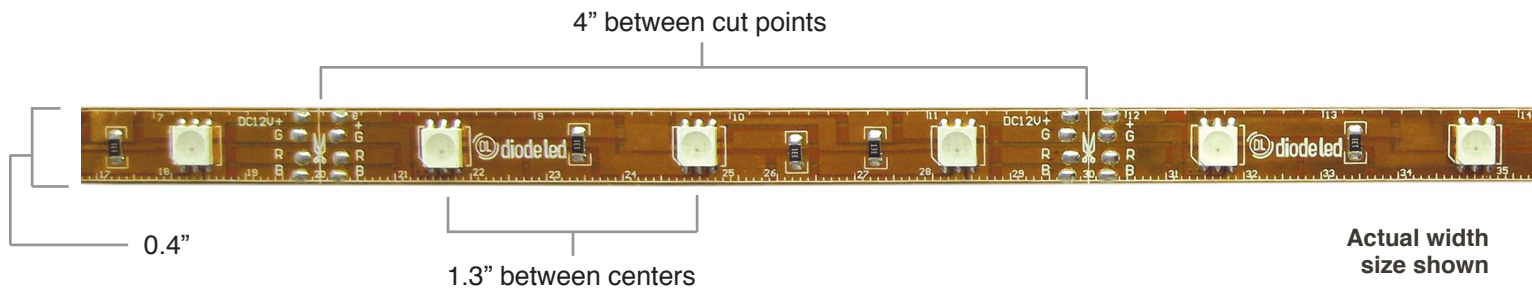
- Bars and restaurants
- Artistic installations
- Displays and cases
- Tight spaces
- Shelves and cabinets
- Soffitts, coves, and valences

Flexible RGB LED Strip Lighting has a wide 120° beam angle that ensures it lights evenly and does not cast shadows on surfaces. Our multi-color Flexible LED Light strips can also be controlled with one of our low-voltage, Full Color LED Controllers (page 50) that will give you a wide array of creative lighting options for any situation. Large installations of RGB LED strip light can be amplified with RGB Amplifiers (page 51).



Highlights

- **UL Listed**
- **Color-Changing**
- Height: 0.1"
- Connector: 4" RGB lead wire
- Voltage: 12V DC
- IP Rating: indoor
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**
- **Each 16.4 foot section requires a dedicated line from the power supply and controller or to an RGB Strip Amplifier to avoid voltage drop.**



Technical Specifications: SPECTRUM RGB Strip Light

item #	length	color	lumens / ft.	beam angle	power consumption / ft.	LEDs / ft.
DI-0070	16.4'	RGB	70 max.	120°	2.2W / 180mA	9

Each 16.4 foot section requires a dedicated line from the power supply and controller or to an RGB Strip Amplifier to avoid voltage drop.

Accessories



RGB Strip Light EZ Connector with exposed lead wires

(item #DI-0702) / Qty of 25 (item #DI-0702-25)

Qty of 50 (item #DI-0702-50)

4.3" x 0.65"

Connects SPECTRUM RGB Strip Light to the SPECTRUM RGB Color Controllers and the SPECTRUM RGB Strip Amplifiers.



RGB Strip-to-Strip Bending Extension

(item #DI-0768) / Qty of 25 (item #DI-0768-25)

Qty of 50 (item #DI-0768-50)

5" x 0.6"

Creates a flexible 10° - 180° turn between sections of SPECTRUM RGB Strip Light.



39 Inch RGB Strip-to-Strip Bending Extension

(item #DI-0776) 39.4" x 0.6"

Creates an extension between sections of SPECTRUM RGB Strip Light.



22/4 Wire

per foot (item #DI-0769-F) 0.4" x 0.1"

This four-strand, 22 gauge wire creates extensions between color-changing fixtures, and allows for parallel runs of non-waterproof SPECTRUM RGB Strip Light. Available by the foot.



RGB Strip-to-Strip Connector

(item #DI-0724) / Qty of 25 (item #DI-0724-25)

Qty of 50 (item #DI-0724-50)

0.7" x 0.4" x 0.1"

Connects two sections of SPECTRUM RGB Strip Light.



RGB Strip Light to Bar EZ Connector

male (item #DI-0731M) / Qty of 25 (item #DI-0731M-25)

Qty of 50 (item #DI-0731M-50)

female (item #DI-0731F) / Qty of 25 (item #DI-0731F-25)

Qty of 50 (item #DI-0731F-50)

6.5" x 0.5"

Connects SPECTRUM RGB Strip Light to TRUE FOCUS Color-Changing Tube Lights.



DAZZLE High Output RGB Strip Light

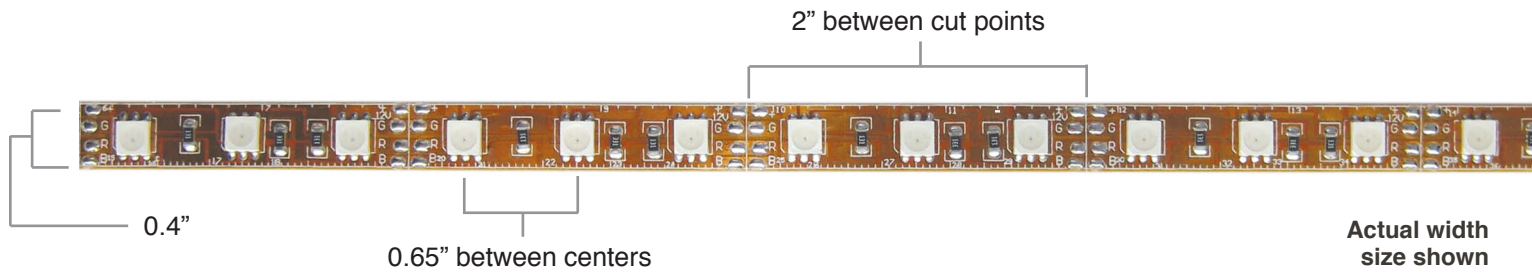
The DAZZLE High Output RGB Strip Light offers all the same features and advantages as our standard SPECTRUM LED Strip Light, but has twice as many luminaires and is twice as bright. This strip light transforms a living room, rec room or home entertainment center into a place for parties and special events. It's also useful for lighting large display cases, shop windows, restaurants and bars. With the use of one of Diode's RGB color controllers, this super bright RGB strip makes for an easy, economical LED light solution.

DAZZLE High Output RGB Strip Light comes with a 3M adhesive backing, so mounting the strip on a smooth, dry surface is as easy as peeling and sticking. Although twice as bright as the SPECTRUM LED Strip Light, this strip consumes less than 5 Watts of electricity per foot. Unlike single color strips, the DAZZLE High Output RGB Strip Light requires the Spectrum Flexible Strip EZ Connector and a color controller between them and the power source, whether it's a 12V Plug-In Adapter or a 12V Hard-Wired Non-Dimmable Driver.



Highlights

- **UL Listed**
- **Color-Changing**
- Height: 0.1"
- Connector: 4" RGB lead wire
- Voltage: 12V DC
- IP Rating: indoor
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**
- **Each 19 foot section (two 9.5 foot spools) requires a dedicated line from the power supply and controller or to an RGB Strip Amplifier to avoid voltage drop.**



Technical Specifications: DAZZLE High Output RGB Strip Light

item #	length	color	lumens / ft.	beam angle	power consumption / ft.	LEDs / ft.
DI-0073	16.4'	RGB	120 max.	120°	4.4W / 360mA	18

Each 19 foot section (two 9.5 foot spools) requires a dedicated line from the power supply and controller or to an RGB Strip Amplifier to avoid voltage drop.

Accessories



RGB Strip Light EZ Connector with exposed lead wires

(item #DI-0702) / Qty of 25 (item #DI-0702-25)

Qty of 50 (item #DI-0702-50)

4.3" x 0.65"

Connects DAZZLE High Output RGB Strip Light to the SPECTRUM RGB Color Controllers and the SPECTRUM RGB Strip Amplifiers.



RGB Strip-to-Strip Bending Extension

(item #DI-0768) / Qty of 25 (item #DI-0768-25)

Qty of 50 (item #DI-0768-50)

5" x 0.6"

Creates a flexible 10° - 180° turn between sections of DAZZLE High Output RGB Strip Light.



39 Inch RGB Strip-to-Strip Bending Extension

(item #DI-0776) 39.4" x 0.6"

Creates an extension between sections of DAZZLE High Output RGB Strip Light.



22/4 Wire

per foot (item #DI-0769-F) 0.4" x 0.1"

This four-strand, 22 gauge wire creates extensions between color-changing fixtures, and allows for parallel runs of DAZZLE High Output RGB Strip Light. Available by the foot.



RGB Strip-to-Strip Connector

(item #DI-0724) / Qty of 25 (item #DI-0724-25)

Qty of 50 (item #DI-0724-50)

0.7" x 0.4" x 0.1"

Connects two sections of DAZZLE High Output RGB Strip Light.



RGB Strip Light to Bar EZ Connector

male (item #DI-0731M) / Qty of 25 (item #DI-0731M-25)

Qty of 50 (item #DI-0731M-50)

female (item #DI-0731F) / Qty of 25 (item #DI-0731F-25)

Qty of 50 (item #DI-0731F-50)

6.5" x 0.5"

Connects DAZZLE High Output RGB Strip Light to TRUE FOCUS Color-Changing Tube Lights.



SPECTRUM Wet Location RGB Strip Light

SPECTRUM Wet Location RGB Strip Lights are designed to add vibrant color to exteriors and interiors with eco-friendly, full-color LED lighting. SPECTRUM Wet Location RGB Light Strips can bring out your creative side, whether in a home or business. They are ideal for lighting outdoor and indoor spaces that require a light source that has full color-changing capabilities.

SPECTRUM Wet Location RGB Strip Light fits well in:

- Outdoor parties and events
- Decks, patios, and gardens
- Architectural accenting
- Bars and clubs

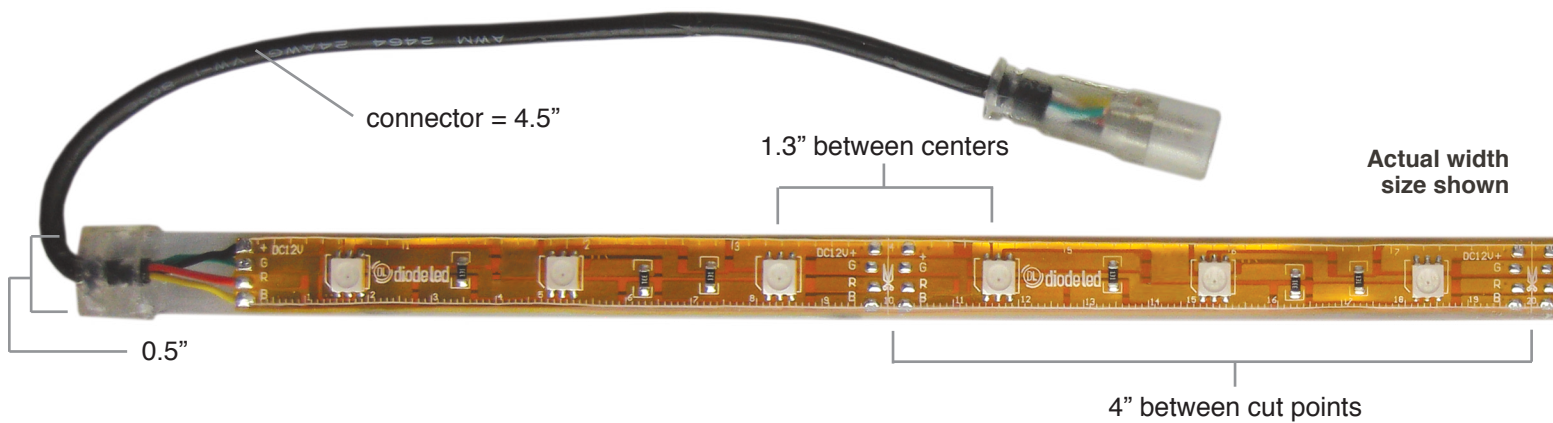
Our RGB Strip Lights can also be commanded with one of Diode LED's low-voltage RGB Color Controllers that offer a wide array of creative, custom lighting options for almost any application. RGB Strip Lights can be programmed in different color-changing modes, or single colors can be selected.

Not recommended as submersible or for use in or around treated, chlorinated or salt water.



Highlights

- **UL Listed**
- **Color-Changing**
- Height: 0.25"
- Connector: 4.5" waterproof RGB plug
- Voltage: 12V DC
- IP Rating: wet location / outdoor
- Lamp Life: 50,000 hours
- 9 clips, 18 screws, 5 end caps, and 1 Wet Location RGB Splice Connector Pair that are included with each spool.
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**
- **Each 19 foot section (two 9.5 foot spools) requires a dedicated line from the power supply and controller or to an RGB Strip Amplifier to avoid voltage drop.**



Technical Specifications: SPECTRUM Wet Location RGB Strip Light

item #	length	color	lumens / ft.	beam angle	power consumption / ft.	IP rating	LEDs / ft.
DI-0071	9.5'	RGB	70 max.	120°	2.2W / 180mA	IP68	9

Each 19 foot section (two 9.5 foot spools) requires a dedicated line from the power supply and controller or to an RGB Strip Amplifier to avoid voltage drop.

Accessories



Wet Location RGB Splice Connector Pair

(DI-0766) 4.7" x 0.4"

The Wet Location RGB Splice Connector converts wet location RGB strip light plugs to bare wires for connection to an RGB color controller. Sold by the pair.



39 Inch Wet Location RGB Strip-to-Strip Bending Extension

(item #DI-0778) 39.4" x 0.6"

Creates an extension between sections of SPECTRUM Wet Location Strip Light.

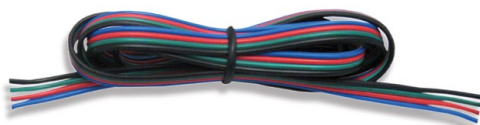


Additional SPECTRUM Wet Location Strip Mounting Clips

(item #DI-0754) 0.9" x 0.2" x 0.2"

Qty of 10 clips and 20 Phillips head screws.

(9 clips, 18 screws, 5 end caps, and 1 Waterproof Solder Connector Pair are already included with each spool.)



22/4 Wire

per foot (item #DI-0769-F) 0.4" x 0.1"

This four-strand, 22 gauge wire creates extensions between color-changing fixtures, and allows for parallel runs of non-waterproof SPECTRUM RGB Strip Light. Available by the foot.



DAZZLE Wet Location High Output RGB Strip Light

The DAZZLE Wet Location High Output RGB Strip Light offers all the same features and advantages as our SPECTRUM Wet Location RGB Strip Light, but is twice as bright. With the use of one of Diode LED's RGB color controllers, this super bright RGB strip makes for an easy, custom LED lighting installation. It can be programmed to light up with different color-changing modes, or to display the single color of your choice. The DAZZLE RGB Strip Light transforms any commercial or home setting.

DAZZLE Wet Location High Output RGB Strip Light fits well in:

- Outdoor events
- Decks, patios, and gardens
- Architectural accenting
- Bars and clubs
- Lounges and casinos
- Vehicles (trailers, autos, campers, boats, and busses)

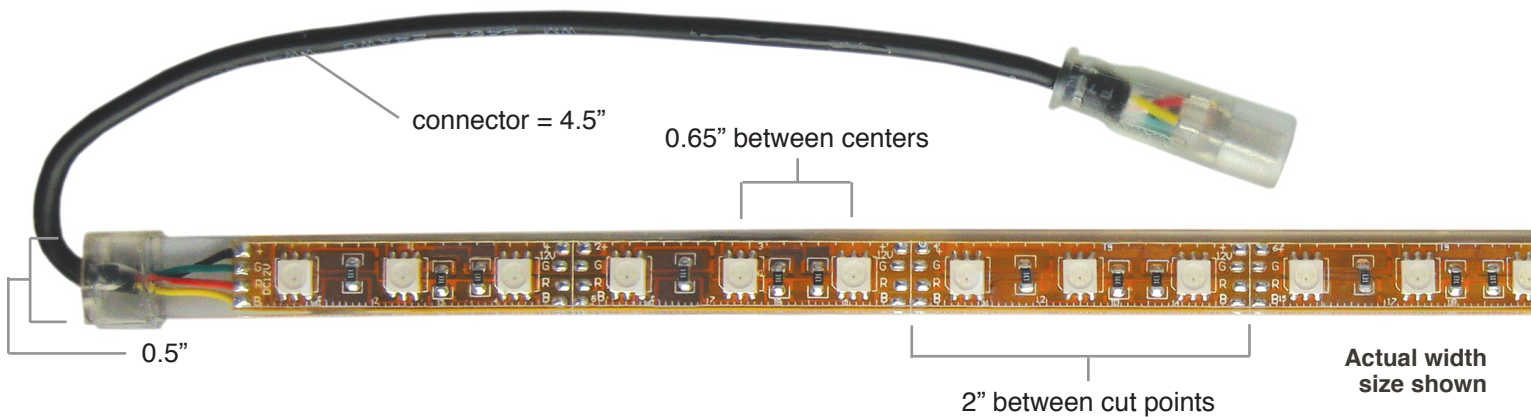
DAZZLE Wet Location High Output RGB Strip Light can be mounted on a smooth, dry surface with Waterproof Strip Light Mounting Clips. Although twice as bright as the SPECTRUM LED Strip Light, this strip consumes less than 5 Watts of electricity per foot.

Not recommended as submersible or for use in or around treated, chlorinated or salt water.



Highlights

- **UL Listed**
- **Color-Changing**
- Height: 0.25"
- Connector: 4.5" waterproof RGB plug
- Voltage: 12V DC
- IP Rating: wet location / outdoor
- Lamp Life: 50,000 hours
- 9 clips, 18 screws, 5 end caps, and 1 Waterproof Solder Connector Pair that are included with each spool.
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**
- **Each 19 foot section (two 9.5 foot spools) requires a dedicated line from the power supply and controller or to an RGB Strip Amplifier to avoid voltage drop.**



Technical Specifications: DAZZLE Wet Location High Output RGB Strip Light

item #	length	color	lumens / ft.	beam angle	power consumption / ft.	IP rating	LEDs / ft.
DI-0074	9.5'	RGB	120 max.	120°	4.4W / 360mA	IP68	16

Each 19 foot section (two 9.5 foot spools) requires a dedicated line from the power supply and controller or to an RGB Strip Amplifier to avoid voltage drop.

Accessories



Wet Location RGB Splice Connector Pair

(DI-0766) 4.7" x 0.4"

The Wet Location RGB Splice Connector converts wet location RGB strip light plugs to bare wires for connection to an RGB color controller. Sold by the pair.



39 Inch Wet Location RGB Strip-to-Strip Bending Extension

(item #DI-0778) 39.4" x 0.6"

Creates an extension between sections of SPECTRUM Wet Location Strip Light.

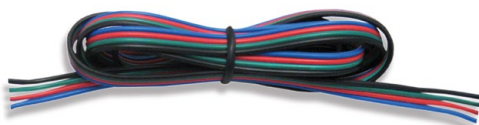


Additional SPECTRUM Wet Location Strip Mounting Clips

(item #DI-0754) 0.9" x 0.2" x 0.2"

Qty of 10 clips and 20 Phillips head screws.

(9 clips, 18 screws, 5 end caps, and 1 Waterproof Solder Connector Pair are already included with each spool.)



22/4 Wire

per foot (item #DI-0769-F) 0.4" x 0.1"

This four-strand, 22 gauge wire creates extensions between color-changing fixtures, and allows for parallel runs of non-waterproof SPECTRUM RGB Strip Light. Available by the foot.



CASCADE Wet Location RGB Light Bar

The CASCADE Wet Location RGB Light Bar offers color-changing light for use indoors and outdoors. This multi-color LED Light Bar has the same housing as the CASCADE Light Bar, and draws the same small amount of electricity: only 3.6 - 7.2 Watts! With its compact sizes, this RGB LED light fixture makes a great accenting tool to add colorful decorative light to any home or business.

This dustproof color-changing LED light fixture has many indoor and outdoor uses:

- Shelves and cabinets
- Decks and patios
- Retail stores and coffee shops
- Clubs, bars, and restaurants
- Special events and parties
- Cars, boats, campers, trailers, and buses

Installation of this LED fixture is simple. Every bar includes two mounting clips and screws (you attach each clip to the surface with two screws) and a pair of Wet Location RGB Splice Connectors for use with an LED color controller. The CASCADE RGB Bar can be powered with one of our indoor/outdoor 12V Drivers, or with a 12V Adapter, and controlled with any of our RGB color controllers. Each single bar or sequence of bars needs a color controller to unlock all of this outdoor LED fixture's full color lighting. **Not recommended as submersible or for use in or around treated, chlorinated or salt water.**

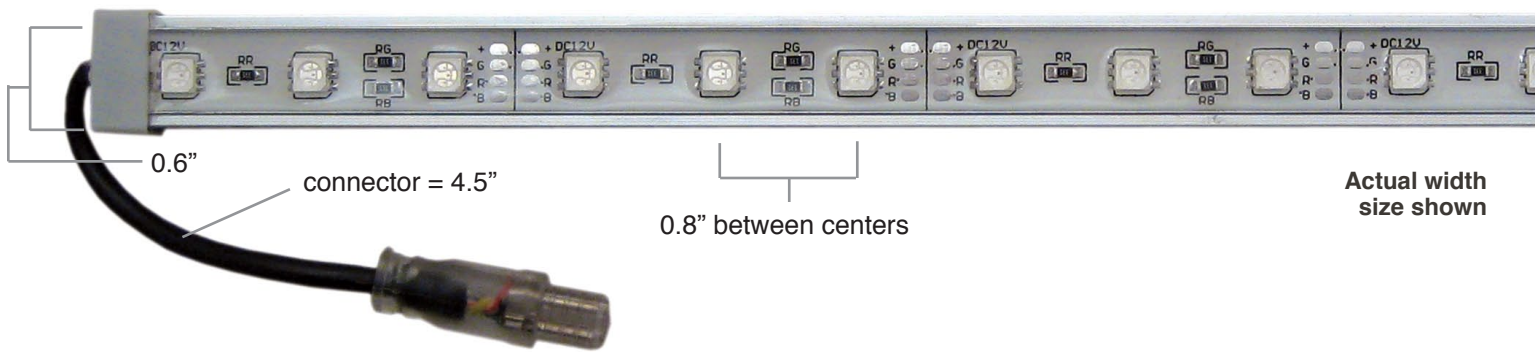
To see the single color CASCADE Light Bar, go to page 56.



Highlights

- ETL Listed (Conforms to UL 2108)
- Color-Changing
- Wet Location (IP68)
- Height: 0.4"
- Connector: 4.5" waterproof RGB plug
- Voltage: 12V DC
- IP Rating: wet location / outdoor
- Operating Temp.: 75° F
- Lamp Life: 50,000 hours
- Please see Product Specification Sheet for complete details at www.DiodeLED.com





Technical Specifications: CASCADE Wet Location RGB Light Bar

item #	length	color	lumens	beam angle	power consumption	IP rating	# of LEDs	max. bars per run
DI-0240	12"	RGB	75 max.	120°	3.6W / 300mA	IP68	15	6
DI-0241	23.8"	RGB	150 max.	120°	7.2W / 600mA	IP68	30	3

Two mounting clips and screws are included with each bar. For additional mounting clips, see page 82.

Accessories



Wet Location RGB Splice Connector Pair

(item #DI-0766) 4.7" x 0.4"

The Wet Location RGB Splice Connector converts wet location RGB strip light plugs to bare wires for connection to an RGB color controller. Sold by the pair.



39 Inch Wet Location RGB Strip-to-Strip Bending Extension

(item #DI-0778) 39.4" x 0.6"

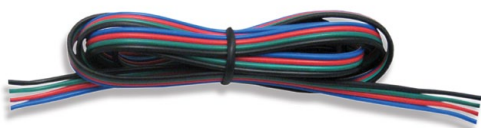
Creates an extension between CASCADE Wet Location RGB Light Bars.



Additional CASCADE Light Bar Mounting Clips

(item #DI-0752) 0.75" x 0.5" x 0.6"

Qty of 10 clips and 10 Phillips head screws.
(Two clips and screws are already included with each bar.)



22/4 Wire

per foot (item #DI-0769-F) 0.4" x 0.1"

This four-strand, 22 gauge wire creates an extension between CASCADE Wet Location RGB Light Bars. Available by the foot.



TRUE FOCUS Color-Changing Tube Light

The TRUE FOCUS Color-Changing Tube Light is available in 9" and 20" sizes and offers a greener solution for a variety of interior full color lighting needs, including:

- Bookcases and shelves
- Soffitts and windows
- Bar and club lighting
- Home theater lighting
- Color-changing displays
- Accent and decorative lighting
- Edge-lighting

With a surface-mount RGB LED and wide 120° flood angle, this full color LED light bar is seamlessly bright and adds dynamic color accenting to any lighting situation, whether a special event or permanent installation.

Some of the features of this TRUE FOCUS Color-Changing Tube Light include:

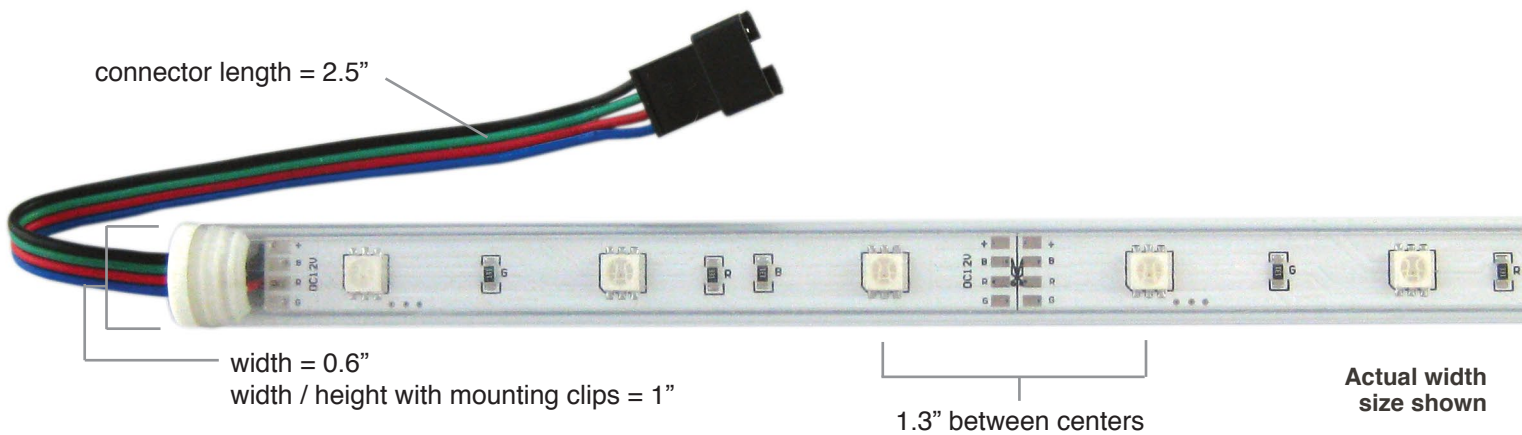
- Compact size
- Simple manual adjustment allows for fully adjustable angle of light
- Uses 4 Channels (red, green, blue, common positive)
- With an RGB controller, can be set to a single color or multi-color
- Included mounting hardware

To see the single color TRUE FOCUS LED Tube Light, go to page 58.



Highlights

- **UL Listed**
- **Color-Changing**
- Diameter: 0.6"
- Connector: 2.5" RGB plug
- Voltage: 12V DC
- IP Rating: indoor
- Operating Temp.: 75° F
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**

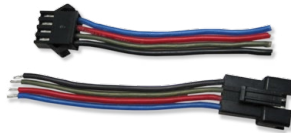


Technical Specifications: TRUE FOCUS Color-Changing Tube Light

item #	length	color	color temp.	lumens	power consumption	IP rating	# of LEDs	max. bars per run
DI-0257	8.9"	RGB	up to 620nm	47 max.	1.44W / 120mA	IP50	6	8
DI-0254	19.9"	RGB	up to 620nm	118 max.	3.6W / 300mA	IP50	15	5

Two mounting clips and screws are included with each bar. For additional mounting clips, see page 82.

Accessories



RGB Light Bar Connector Pair

(item #DI-0741) 3" x 0.5" x 0.3"

Connects the TRUE FOCUS Color-Changing Tube Light to an RGB color controller, the Apollo Jammer audio interface, and RGB accessories. One pair is included with each TRUE FOCUS Color-Changing Tube Light. Sold by the pair.



RGB Light Bar Splitter Cable

2-way (item #DI-0807)

3-way (item #DI-0808)

5-way (item #DI-0809)

11" x 1" x 0.3"

Connects several TRUE FOCUS Color-Changing Tube Lights to one power source.



RGB Light Bar EZ Extension Cable

3 ft. (item #DI-0787)

9 ft. (item #DI-0788)

16.5 ft. (item #DI-0730) / Qty of 25 (item #DI-0730-25)

Qty of 50 (item #DI-0730-50)

Connects and extends two TRUE FOCUS Color-Changing Tube Lights. Features one male plug and one female plug.



RGB Strip Light to Bar EZ Connector

male (item #DI-0731M) / Qty of 25 (item #DI-0731M-25)

Qty of 50 (item #DI-0731M-50)

female (item #DI-0731F) / Qty of 25 (item #DI-0731F-25)

Qty of 50 (item #DI-0731F-50)

6.5" x 0.5"

Connects SPECTRUM and DAZZLE High Output RGB Strip Lights to TRUE FOCUS Color-Changing Tube Lights.



SPLASH Series Color-Changing RGB Wall Washers

A Color-Changing RGB LED Wall Washer will make any party or event a colorful and dynamic affair. Diode LED's Color-Changing RGB Wall Washers are water resistant and wet location rated, so they can provide decorative and accent lighting in both indoor and outdoor settings. These durable, industrial-grade LED fixtures are great for architectural accent lighting, decorative lighting for building interiors, gardens, patios, restaurants and more. At home, these dynamic wall washers create atmosphere galore, whether for a party, a special room in the house, or to liven up your rec room.

You can operate Diode LED RGB wall washers in one of three ways: on an internal setting, in DMX mode and as part of a daisy chain:

- **Internal mode:** no other equipment is required to set the wall washer internally to generate spectacular color-changing effects. They include flashing, fading, static colors and seven colors changing in sync.
- **DMX mode:** an external controller, such as our Apollo Color Controller (page), is required, but the number of effects possible grows exponentially into the thousands.
- **Daisy chain:** link several washers to one another for a series of special effects that can be triggered by just one RGB controller.

RGB LED Wall Washers come with a hard-wired power cable, as well as DMX cables that make it compatible with a DMX controller and additional washers. Each patented washer is made of light but strong aluminum alloy, built for durability and stability.

To see single color SPLASH Series Industrial LED Wall Washers, go to page 67.



Highlights

- **UL Listed**
- Color-Changing
- Durable
- Indoor and Outdoor
- Industrial
- Super Bright
- Plugs into wall outlet
- No external power supply needed
- Daisy-chain up to 10 washers
- IP Rating: wet location / outdoor
- Lamp Life: 50,000 hours
- **Every Diode LED Wall Washer comes with heat-shrink tubing to create a watertight seal around DMX cable connections**
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**



TOUGH MOUNTING BRACKETS FOR EASY INSTALL

49" RGB Wall Washer
 (item #DI-0450 and DI-0451)
 49" x 3" x 2.74"
 Weight: 13.5 lbs.

Diode LED's longest and slimmest wall washer, at under 3 inches wide, the 49 Inch Wall Washer hugs close to a wall or ceiling while transforming a room with a full-color LED light show. This wall washer is ideal for billboards and other outdoor signage, as well as exterior architectural applications. Sturdy aluminum mounting brackets and heat shrink tubes included.



PAR 64 Wall Washer
 (item #DI-0470 and DI-0471)
 7" x 7" x 8"
 Weight: 8 lbs. 11 oz.

This LED spotlight is only 7 inches in diameter, so it can tuck into the corner of a stage in a theater or club. This color-changing wall wash provides powerful, focused accent lighting. Heat shrink tubes included.



TOUGH MOUNTING BRACKET FOR EASY INSTALL

13" Wall Washer
 (item #DI-0460 and DI-0461)
 13" x 5.1" x 3.2"
 Weight: 11 lbs.

Just over a foot long and only 5 inches wide, this multi-color light contains 36 high-power LEDs that are enough to light a 200 or more square foot room. It is water resistant and wet location rated, so use it to decorate both indoor and outdoor settings. The 13" Color-Changing Wall Washer is like having an interior decorator and lighting designer in a box. Aluminum mounting bracket, DMX extension cable, and heat shrink tubes included.

Technical Specifications: SPLASH Series Color-Changing RGB Wall Washers

item #	product	projection distance	lumens	beam angle	power consumption	IP rating	# of LEDs	max. daisy-chain
DI-0450	49" Wall Washer	15 ft.	720 - 2730	45°	56W max.	IP65	36	10 units
DI-0451	49" Wall Washer	100 ft.	720 - 2730	15°	56W max.	IP65	36	10 units
DI-0470	PAR 64 Wall Washer	15 ft.	720 - 2730	45°	55W max.	IP65	36	10 units
DI-0471	PAR 64 Wall Washer	100 ft.	720 - 2730	15°	55W max.	IP65	36	10 units
DI-0460	13" Wall Washer	15 ft.	720 - 2730	45°	55W max.	IP65	36	10 units
DI-0461	13" Wall Washer	55 ft.	720 - 2730	15°	55W max.	IP65	36	10 units

SPECTRUM RGB Strip Light Kits

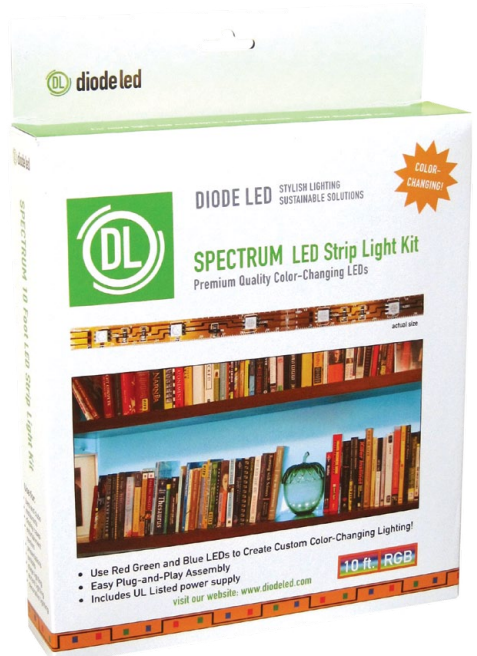
SPECTRUM RGB Strip Light kits are a great way to get everything you need for a color-changing LED light installation, all in one easy-to-configure package. Like single color FLUID VIEW Strips, SPECTRUM RGB Strips are flexible and cuttable, and they come with a 3M™ adhesive backing tape, so they're ready for any custom installation.



SPECTRUM 5 Foot RGB Strip Light Kit (item #DI-0181)

Includes:

- 5 feet of SPECTRUM RGB Strip Light
- 1 x SPECTRUM Color Controller
- 1 x Infrared (IR) wireless remote control
- 1 x Spectrum Flexible Strip EZ Connector with exposed lead wires
- 1 x 36 Watt Plug-In Adapter
- 1 x Mini screwdriver set
- 1 x Wiring diagram



SPECTRUM 10 Foot RGB Strip Light Kit (item #DI-0180)

Includes:

- 10 feet of SPECTRUM RGB Strip Light
- 1 x SPECTRUM Color Controller
- 1 x Infrared (IR) remote control
- 1 x Spectrum Flexible Strip EZ Connector with exposed lead wires
- 1 x 36 Watt Plug-In Adapter
- 1 x Mini screwdriver set
- 1 x Wiring diagram



RGB Signal Amplifiers

If you're creating an installation with SPECTRUM or DAZZLE RGB Strips that is longer than 16 feet, you'll need the SPECTRUM RGB Strip Amplifier for indoor applications, or our waterproof one for wet locations. *Note: Each amplifier must be wired separately to a 12V DC power supply. RGB Amplifiers are not for use with SPLASH Series Industrial RGB Wall Washers.*



Waterproof RGB Signal Amplifier

(item #DI-0717) 3.75" x 2" x 1.2"
Cable lengths: 8"

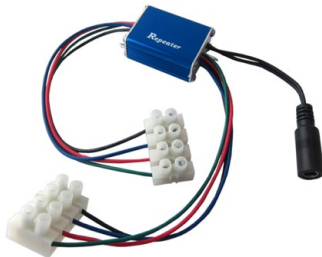
Allows you to power and color-control sections of SPECTRUM and DAZZLE High Output RGB Strip Light greater than 16 feet by amplifying the controller signal and the power. One Signal Amplifier is necessary for every 16 feet of SPECTRUM or DAZZLE High Output RGB Strip Light. It can be used for wet location outdoor LED lighting in a hard-wire installation.



RGB Signal Amplifier

(item #DI-0718) 4.2" x 2.5" x 1"

Allows you to power and color-control sections of SPECTRUM and DAZZLE High Output RGB Strip Light greater than 16 feet by amplifying the controller signal and the power. One Signal Amplifier is necessary for every 16 feet of SPECTRUM or DAZZLE High Output RGB Strip Light. Power is delivered to the amplifier via an independent 12V DC adapter, DC Adapter Splice Cable (DI-0712M), or a DC Wire Plug (DI-1713M) for hard-wired power installation.



Mini RGB Signal Amplifier

(item #DI-0765) 1.6" x 1.1" x 0.7",
RGB cable lengths: 6"
DC cable length: 2.5"

Amplifies the color signal and power on sections of SPECTRUM and DAZZLE High Output RGB Strip Light longer than 16 feet, and is great for tight spaces. It can be used for wet location outdoor LED lighting. Power is delivered to the amplifier via an independent 12V DC adapter, DC Adapter Splice Cable (DI-0712M), or a DC Wire Plug (DI-1713M) for hard-wired power installation.



Screwdriver Kit

(item #DI-0779) 3.75" x 2.5" x 0.5"
Perfect for installing any mounting clips, and for use with RGB color controllers.
Includes:

- #1 Philips head
- #0 Philips head
- 1.2mm flat head
- 1.4mm flat head
- 1.8mm flat head
- 2.0mm flat head



DC Wire Plug

Male white (DI-1713M)
1.6" x 0.6" x 0.5"
Converts two-strand wire to a DC plug without soldering.



Adapter Splice Cable

Male (item #DI-0712M)
42" x 0.45"
Connects RGB Amplifiers to a hard-wired driver.

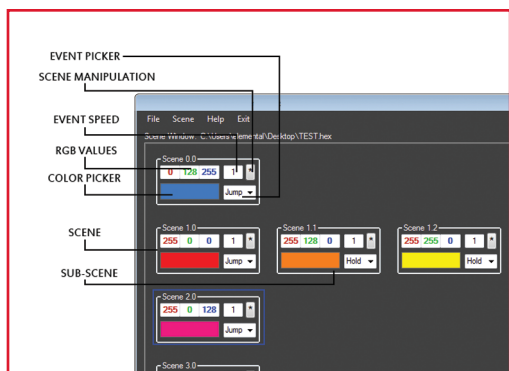
Apollo Color Controller & Apollo Jammer

In order to take advantage of the full color capabilities of our color-changing RGB lights, you will need one of these RGB Color Controllers. All Diode LED controllers allow you to change the mode, speed, and brightness level of color-changing RGB fixtures. The Apollo DMX Color Controller is the only Diode LED controller that is compatible with our SPLASH Series Color-Changing RGB Wall Washers.

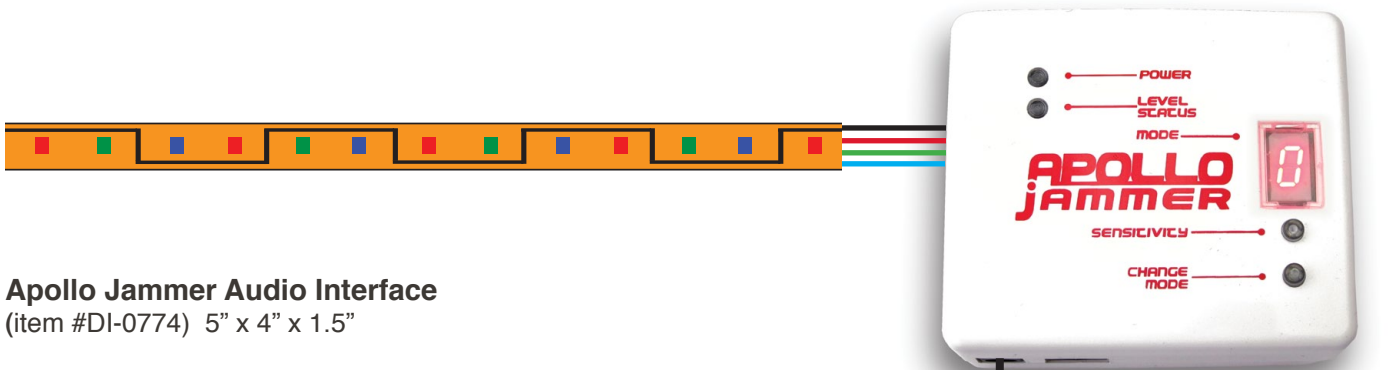


Apollo DMX Color Controller
(item #DI-0764) 5" x 4" x 1.5"

A dual-mode, custom programmable controller that offers both DMX output for controlling SPLASH Series Color-Changing Wall Washers, and PWM output that controls all other Diode LED RGB fixtures. The Apollo has a memory to store the DMX commands that you program. The Apollo was designed in-house by Diode LED to offer fully customizable color control and is the most powerful controller we sell.



Each Apollo controller includes PC-compatible software (shown left) that allows for user-friendly custom lighting programming, plus a USB Cable for connecting the controller to a computer. Use the easy-to-use software to program all the features of a custom light show: brightness, precise color shades and hues, color-changing frequency, and color-changing mode. Then load your lighting program onto the controller, which operates independently wherever you need it.



Apollo Jammer Audio Interface
(item #DI-0774) 5" x 4" x 1.5"

The Apollo Jammer is an audio interface and color controller that connects color-changing RGB fixtures to an audio device so that the lights flash and change colors in response to music and other sounds. The Apollo Jammer is compatible with both SPLASH Series Color-Changing Wall Washers and all other Diode LED RGB fixtures, as well as with iPods and other portable music players, smart phones, radios, computers, and any other device with an 1/8 inch audio output.

The Apollo Jammer includes an 1/8 inch audio cable and an audio splitter that allows you to input the sound source and output to speakers.

RGB Color Controllers



High Power RF RGB Color Controller
(item #DI-0760) 4.75" x 2.2" x 1"

A long-range radio frequency (RF) controller that features a wireless remote control with an operative range of 150 feet.



SPECTRUM RGB Color Controller
(item #DI-0716) 3.5" x 2.75" x 1.1"

Allows you to select colors and color-changing modes for color-changing RGB fixtures with the included infrared (IR) wireless remote control.



Analog RGB Color Controller
(item #DI-0777) 5.1" x 2.75" x 1.7"

Features fine-tuning knobs that adjust individual levels of Red, Green, and Blue light for mixing precise, custom colors in real time. Includes a radio frequency (RF) remote control. This controller is also compatible with K-Range Tunable Color Strip Light (pages 20-21).



Micro RGB Color Controller
(item #DI-0767) 3.5" x 1.65" x 0.5"

Super-compact controller includes a radio frequency (RF) remote control and mini screwdriver.

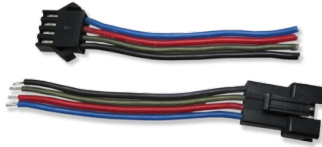


Wireless Wall Mount RGB Color Controller
(item #DI-0761)
wall mount controller: 3" x 4.7" x 1.25"
controller: 5.1" x 1.6" x 1.2"

This package features a color controller, a lightweight wireless wall-mounted radio frequency (RF) remote control, and a wireless handheld remote control.

RGB Accessories

We offer a variety of RGB accessories to help you with both large and small color-changing light installations. These accessories help you take advantage of the full color capabilities of our color-changing RGB strip lights and light bars. These accessories are not for use with SPLASH Series Color-Changing RGB Wall Washers.



RGB Light Bar Connector Pair
(item #DI-0741) 3" x 0.5" x 0.3"

Connects the TRUE FOCUS Color-Changing Tube Light to an RGB color controller, the Apollo Jammer audio interface, and RGB accessories.



RGB Light Bar Splitter Cable
2-way (item #DI-0807)
3-way (item #DI-0808)
5-way (item #DI-0809)
Cable length: 11" x 1" x 0.3"

Connects several TRUE FOCUS Color-Changing Tube Lights to one power source.



22/4 Wire
per foot (item #DI-0769-F) 0.4" x 0.1"

This four-strand, 22 gauge wire creates extensions between color changing fixtures, and allows for parallel runs of SPECTRUM and DAZZLE High Output RGB Strip Light. Available by the foot.



RGB Light Bar EZ Extension Cable
3 ft. (item #DI-0787)
9 ft. (item #DI-0788)
16.5 ft. (item #DI-0730), Qty of 25 (item #DI-0730-25)
Qty of 50 (item #DI-0730-50)

Connects and extends two TRUE FOCUS Color-Changing Tube Lights. Features one male plug and one female plug.



Flexible RGB Strip to Bar EZ Connector
male (item #DI-0731M), Qty of 25 (item #DI-0731M-25)
Qty of 50 (item #DI-0731M-50)
female (item #DI-0731F), Qty of 25 (item #DI-0731F-25)
Qty of 50 (item #DI-0731F-50)
Cable length: 6.5" x 0.5"

Connects SPECTRUM and DAZZLE High Output RGB Strip Lights to TRUE FOCUS Color-Changing Tube Lights.

RGB Accessories (Continued)

We offer a variety of RGB accessories to help you with both large and small color-changing light installations. These accessories help you take advantage of the full color capabilities of our color-changing RGB strip lights and light bars. These accessories are not for use with SPLASH Series Color-Changing RGB Wall Washers.



RGB Strip Light EZ Connector with exposed lead wires

(item #DI-0702), Qty of 25 (item #DI-0702-25)

Qty of 50 (item #DI-0702-50)

4.3" x 0.65"

Connects SPECTRUM and DAZZLE High Output RGB Strip Lights to the RGB Color Controllers and the RGB Signal Amplifiers.



RGB Strip-to-Strip Connector

(item #DI-0724), Qty of 25 (item #DI-0724-25)

Qty of 50 (item #DI-0724-50)

0.7" x 0.4" x 0.1"

Connects two sections of SPECTRUM and DAZZLE High Output RGB Strip Lights.



RGB Strip-to-Strip Bending Extension

(item #DI-0768), Qty of 25 (item #DI-0768-25)

Qty of 50 (item #DI-0768-50)

5" x 0.6"

Creates a flexible 10° - 180° turn between sections of SPECTRUM and DAZZLE High Output RGB Strip Light.



39 Inch RGB Strip-to-Strip Bending Extension

(item #DI-0776) 39.4" x 0.6"

Creates a 39 inch extension between sections of SPECTRUM and DAZZLE High Output RGB Strip Light.



Wet Location RGB Splice Connector Pair

(item #DI-0766) 4.7" x 0.4"

The Wet Location RGB Splice Connector converts wet location RGB strip light plugs to bare wires for connection to an RGB color controller. Sold by the pair.



39 Inch Wet Location RGB Strip-to-Strip Bending Extension

(item #DI-0778) 39.4" x 0.6"

Creates an extension between sections of SPECTRUM Wet Location and DAZZLE Wet Location High Output RGB Strip Light, and between CASCADE Wet Location RGB Light Bars.

PLAN CHECK

1800 SAWTELLE BLVD

KITCHEN + BAR





LED Light Bar Collection Overview

Diode LED's light bars are sleek, rigid, and dimmable fixtures that require very little power. They light shelves, cabinets, and other tight spaces that a standard bulb cannot. All of our light bars provide high quality, modern lighting in durable, dustproof fixtures, and each type has unique features:

- The SUNRISE Light Bar is wet location rated (IP68), so it can be used almost anywhere, indoors or out
- The CASCADE Light Bar is twice as bright as the SUNRISE Light Bar, and is also wet location rated (IP68)
- The TRUE FOCUS Tube Light offers an adjustable light direction
- ARRAY 24V Linkable Light Bars are available in many sizes and connect seamlessly

Our light bars have a variety of applications:

- Kitchens and bathrooms
- Restaurants, retail shops, and bars
- In the garden and yard, decks, patios
- Boats, boathouses, and camping
- Garages, walk-in coolers, and freezers
- Lighting wine caves (no UV emissions and low heat)
- Building exteriors and architectural models
- Shelves, cupboards, closets, and drawers
- Toe-kick, soffit, and uplighting



SUNRISE Light Bar

A sleek, waterproof (but not submersible), dimmable fixture that requires very little power. The SUNRISE Light Bar is a low-profile LED bar that's a mere half inch wide and quarter inch high. This bar will light shelves, cabinets, and other tight spaces that a standard bulb cannot.

The SUNRISE light bar is wet location rated (IP68), so it can be used almost anywhere, indoors or out:

- In kitchens and bathrooms
- Showers, freezers, and benches
- In restaurants, retail shops, and bars
- In the garden and yard, decks, patios
- Boats, boathouses, and camping
- Garages, walk-in coolers, and freezers
- Lighting wine caves (no UV emissions and low heat)
- Building exteriors and architectural models
- In bookshelves, cupboards, closets, and drawers
- Toe-kick, soffit, and uplighting

This light bar comes with a **pair of mounting clips and screws, and a pair of solder connectors** that can connect the bar to a hard-wired driver. To install the bar, just screw the two Sunrise mounting clips that come with each bar into the surface with one screw, then snap the bar into the clips.

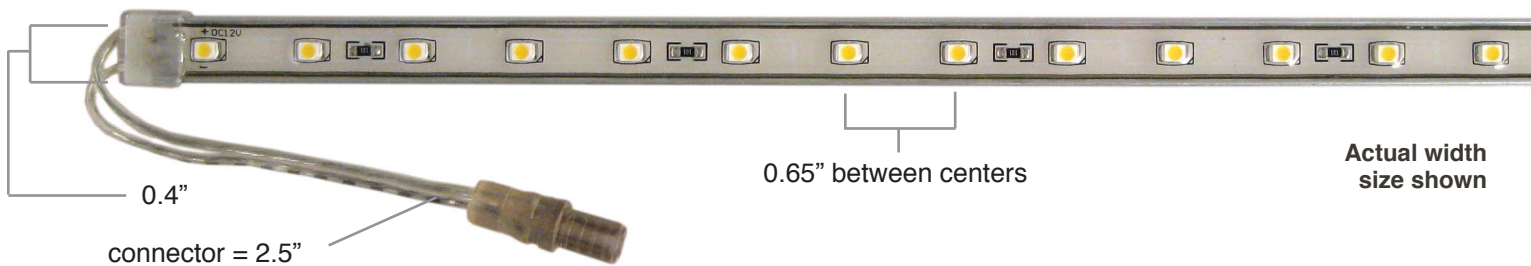
SUNRISE Bars can be powered with a Plug-In DC adapter, which connects to the two hard-wired plugs on each bar through our Waterproof Plug to DC Adapter Connector (item #DI-0710). Additional SUNRISE mounting clips (item #DI-0750) are available in packs of ten. **Not recommended as submersible or for use in or around treated, chlorinated or salt water.**



Highlights

- ETL Listed (Conforms to UL 2108)
- Dimmable
- Waterproof (IP68)
- Height: 0.25"
- Connector: 2.5" waterproof plug
- Voltage: 12V DC
- IP Rating: wet location / outdoor
- Lamp Life: 50,000 hours
- Please see **Product Specification Sheet for complete details at www.DiodeLED.com**





Actual width size shown

Technical Specifications: SUNRISE Light Bar

item #	length	color	color temp.	lumens	beam angle	power consumption	IP rating	CRI	# of LEDs	max. bars per run
DI-0209	6.25"	warm white	2700k	58	120°	0.72W / 60mA	IP68	75	9	10
DI-0210	6.25"	cool white	5000k	58	120°	0.72W / 60mA	IP68	80	9	10
DI-0200	10.25"	warm white	2700k	98	120°	1.2W / 100 mA	IP68	75	15	7
DI-0201	10.25"	cool white	5000k	98	120°	1.2W / 100 mA	IP68	80	15	7
DI-0211	12.25"	warm white	2700k	117	120°	1.44W / 120mA	IP68	75	18	6
DI-0212	12.25"	cool white	5000k	117	120°	1.44W / 120mA	IP68	80	18	6
DI-0202	20.1"	warm white	2700k	195	120°	2.4W / 200mA	IP68	75	30	5
DI-0203	20.1"	cool white	5000k	195	120°	2.4W / 200mA	IP68	80	30	5
DI-0204	20.1"	red	625nm	60	120°	2.4W / 200mA	IP68	n/a	30	5
DI-0205	20.1"	green	520nm	105	120°	2.4W / 200mA	IP68	n/a	30	5
DI-0206	20.1"	blue	470nm	30	120°	2.4W / 200mA	IP68	n/a	30	5
DI-0207	20.1"	amber	590nm	23	120°	2.4W / 200mA	IP68	n/a	30	5
DI-0213	24"	warm white	2700k	234	120°	2.8W / 240mA	IP68	n/a	36	3
DI-0214	24"	cool white	5000k	234	120°	2.8W / 240mA	IP68	n/a	36	3

See how this product compares with our other products on the comparison chart on page 86.

Two mounting clips and screws are included with each bar. For additional mounting clips, see page 82.

Accessories



Waterproof Plug to DC Adapter Connector
female (item #DI-0710F) 7.5" x 0.4"
male (item #DI-0710M) 7.5" x 0.3"
 Connects the SUNRISE Light Bar to a Plug-In Adapter and to DC accessories.



Waterproof Solder Connector Pair
 (item #DI-0725) 4.7" x 0.3"
 Connects the SUNRISE Light Bar to a Hard-Wired Driver. One pair included with each bar.



Waterproof Male to Female Extension Cables
 Available Lengths: **6"** (item #DI-0757),
12" (item #DI-0758), **24"** (item #DI-0759),
39" (item #DI-0709)
 Connector Width: 0.3"
 Creates an extension between SUNRISE Light Bars.



Additional SUNRISE Light Bar Mounting Clips
 (item #DI-0750) 0.6" x 0.5" x 0.4"
 Qty of 10 clips and 10 Phillips head screws. (Two clips and screws are included with each bar.)



REIGN 12V / 24V Dimmer Switches
 (page 73)
 12V DC dimmers are connected between the 12V or 24V DC power supply and 12V or 24V LED fixture, and offer 100%-0% dimming, Limit of 100W.



Adapter Splice Cable - female
 (item #DI-0712F) 42" x 0.45"



39" DC Extension Cable
 (item #DI-0708) 39.4" x 0.5"
 Creates an extension between any fixtures or accessories that use DC plugs.



DC Wire Plug
 female white (item #DI-1713F)
 male white (item #DI-1713M)
 1.6" x 0.6" x 0.5"
 Converts two-strand wire to a DC plug without soldering.



Waterproof Splitter Cable
2-way (item #DI-0804)
3-way (item #DI-0805)
5-way (item #DI-0806)
 8" x 1" x 0.3"
 Connects several SUNRISE Light Bars to one power source.



DC Splitter Plugs
2-Way (item #DI-0720) 5.7" x 0.4"
3-Way (item #DI-0705) 8" x 0.6"
5-Way (item #DI-0707) 8" x 0.6"
 Connects several Waterproof Plug to DC Adapter Connectors to one Plug-In Adapter.



CASCADE Light Bar

The CASCADE Light Bar is twice as bright as the SUNRISE Light Bar, using high-power tri-chip SMD bulbs. It's dimmable, waterproof (but not submersible), and wet location rated (IP68). With its compact size, this super bright fixture makes a great alternative to the fluorescent tube. This light bar requires a low amount of electricity to power it, only 3.6 - 7.2 Watts per bar, and gives off very little heat, making it perfect to light heat-sensitive items such as plants, food, wine, and art.

The CASCADE Light Bar can be used in many indoor and outdoor applications:

- Patio, deck, yard, garden, greenhouse, and pool lighting
- Walk-in coolers, grocery stores, and deli counters
- Kitchens, bathrooms, and laundry rooms
- Basements, poolhouses, and garages
- Spas, restaurants, bars, lounges, clubs, and coffee shops
- Wine caves and cellars (no UV radiation and low heat)
- Vehicular accent lighting for cars, trucks, limousines, and RVs (no transformer needed)
- Motor boats, fishing boats, yachts, and cruise ships

Each CASCADE Light Bar comes with **two mounting clips and screws, and a pair of solder connectors** for connection to a hard-wired driver. Additional CASCADE mounting clips (item #DI-0752) are available in packages of ten. **Not recommended as submersible or for use in or around treated, chlorinated or salt water.**

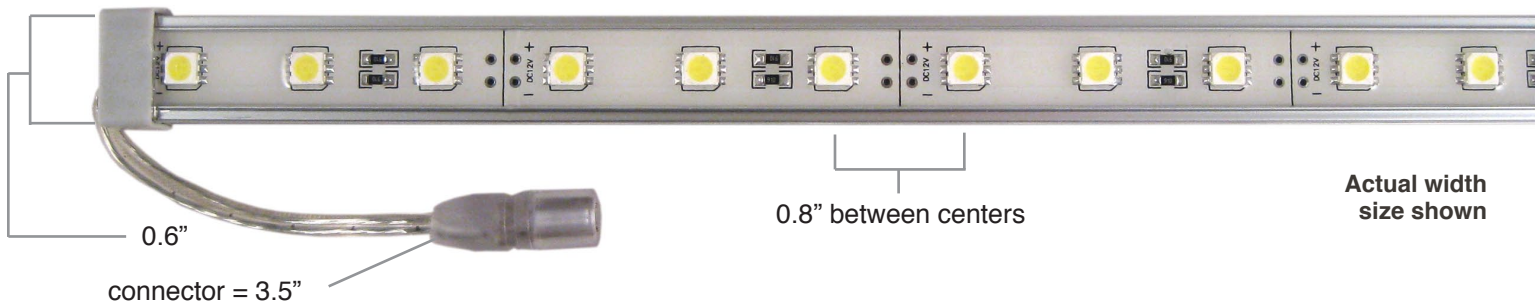
To see the color-changing CASCADE RGB Light Bar, go to page 40.



Highlights

- ETL Listed (Conforms to UL 2108)
- Dimmable
- Waterproof (IP68)
- Height: 0.4"
- Connector: 3.5" waterproof plug
- Voltage: 12V DC
- IP Rating: wet location / outdoor
- Lamp Life: 50,000 hours
- Please see **Product Specification Sheet for complete details at www.DiodeLED.com**





Technical Specifications: CASCADE Light Bar

item #	length	color	color temp.	lumens	beam angle	power consumption	IP rating	CRI	# of LEDs	max. bars per run
DI-0220	12"	warm white	2700k	310	120°	3.6W / 300mA	IP68	75	15	6
DI-0221	12"	cool white	5000k	310	120°	3.6W / 300mA	IP68	80	15	6
DI-0222	23.8"	warm white	2700k	615	120°	7.2W / 600mA	IP68	75	30	3
DI-0223	23.8"	cool white	5000k	615	120°	7.2W / 600mA	IP68	80	30	3

See how this product compares with our other products on the comparison chart on page 86.

See the CASCADE 12" Light Bar Kit on page 63.

Two mounting clips and screws are included with each bar. For additional mounting clips, see page 82.

Accessories



Waterproof Plug to DC Adapter Connector female (item #DI-0710F) 7.5" x 0.4"
male (item #DI-0710M) 7.5" x 0.3"
 Connects the CASCADE Light Bar to a Plug-In Adapter and to DC accessories.



Waterproof Male to Female Extension Cables
 Available Lengths: **6"** (item #DI-0757), **12"** (item #DI-0758), **24"** (item #DI-0759), **39"** (item #DI-0709)
 Connector Width: 0.3"
 Creates an extension between CASCADE Light Bars.



Waterproof Solder Connector Pair
 (item #DI-0725) 4.7" x 0.3"
 Connects the CASCADE Light Bar to a Hard-Wired Driver. One pair included with each bar.



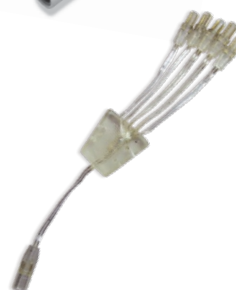
Additional CASCADE Light Bar Mounting Clips
 (item #DI-0752) 0.75" x 0.5" x 0.6"
 Qty of 10 clips and 10 Phillips head screws.
 Two clips and screws are included with each bar.



REIGN 12V / 24V Dimmer Switches
 (page 73)
 The REIGN Dimmer is connected between the 12V or 24V DC power supply and 12V or 24V LED fixture, and offers 100%-0% dimming. Limit of 100W.



Adapter Splice Cable - female
 ((item #DI-0712F) 42" x 0.45"
 Connects the CASCADE Light Bar to a Hard-Wired Driver without cutting wires.



Waterproof Splitter Cable
2-way (item #DI-0804)
3-way (item #DI-0805)
5-way (item #DI-0806)
 8" x 1" x 0.3"
 Connects several CASCADE Light Bars to one power source.



39 Inch DC Extension Cable
 (item #DI-0708) 39.4" x 0.5"
 Creates an extension between any fixtures or accessories that use DC plugs.



DC Wire Plug
 female white (DI-1713F)
 male white (DI-1713M)
 1.6" x 0.6" x 0.5"
 Converts two-strand wire to a DC plug without soldering.



DC Splitter Plugs
2-Way (item #DI-0720) 5.7" x 0.4"
3-Way (item #DI-0705) 8" x 0.6"
5-Way (item #DI-0707) 8" x 0.6"
 Connects several Waterproof Plug to DC Adapter Connectors to one Plug-In Adapter.



TRUE FOCUS LED Tube Light

The TRUE FOCUS LED Tube Light is one of our most efficient fixtures, with an energy usage of just 1.44 to 3.6 Watts per tube. The dimmable TRUE FOCUS LED Tube's compact size fits into almost any space, while offering maximum adjustability: the included mounting clips allow you to position the bar at just the angle you need, for back wash or uplighting. This under cabinet light bar makes an excellent replacement light fixture to the fluorescent tube. Being green has never been this simple!

This TRUE FOCUS Tube has many indoor uses:

- Restaurants, retail stores, bars, lounges, and casinos
- Lighting art, accent pieces, and framed photos
- Wine caves (no UV emissions)
- Under cabinet lighting, shelves, cupboards, closets, and drawers
- Coin-operated vending machines and arcade games
- Architectural models and doll houses
- Boat interiors

TRUE FOCUS Tubes require very little electricity, which means they are safe, so there is no danger of shock, and they give off very little heat, making them perfect to light heat-sensitive items such as paintings, food, and wine. Every TRUE FOCUS comes with **two mounting clips and screws, and a pair of solder connectors** for connection to a Hard-Wired Driver (p. 72). Installation of the TRUE FOCUS is simple: each clip is attached to the surface with one screw. Additional mounting clips (item #DI-0751) are available in packs of ten.

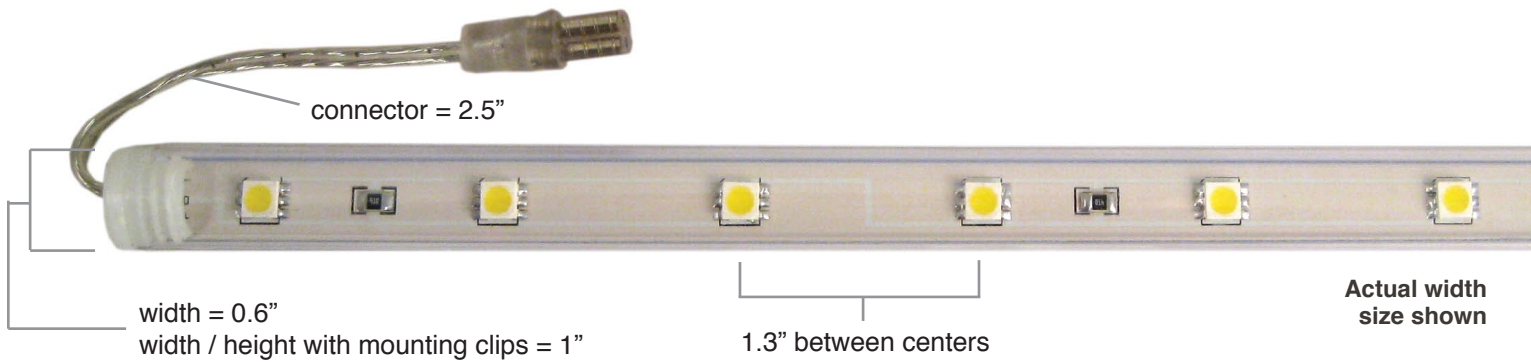
To see the TRUE FOCUS Color-Changing Tube Light, go to page 42.



Highlights

- ETL Listed (Conforms to UL 2108)
- Title 24
- Adjustable light direction
- Dimmable
- Diameter: 0.6"
- Connector: 2.5" waterproof plug
- Voltage: 12V DC
- IP Rating: indoor
- Lamp Life: 50,000 hours
- Please see Product Specification Sheet for complete details at www.DiodeLED.com





Technical Specifications: TRUE FOCUS LED Tube Light

item #	length	color	color temp.	lumens	beam angle	power consumption	IP rating	CRI	# of LEDs	max. bars per run
DI-0255	8.9"	warm white	2700k	120	120°	1.44W / 120mA	IP64	75	6	7
DI-0256	8.9"	cool white	5000k	120	120°	1.44W / 120mA	IP64	80	6	7
DI-0250	13"	warm white	2700k	180	120°	2.16W / 180mA	IP64	75	9	6
DI-0251	13"	cool white	5000k	180	120°	2.16W / 180mA	IP64	80	9	6
DI-0252	19.9"	warm white	2700k	300	120°	3.6W / 300mA	IP64	75	15	5
DI-0253	19.9"	cool white	5000k	300	120°	3.6W / 300mA	IP64	80	15	5

See how this product compares with our other products on the comparison chart on page 86. Two mounting clips and screws are included with each bar. For additional mounting clips, see page 82.

Accessories



Waterproof Plug to DC Adapter Connector female (item #DI-0710F) 7.5" x 0.4"
male (item #DI-0710M) 7.5" x 0.3"
 Connects the TRUE FOCUS Tube Light to a Plug-In Adapter and to DC accessories.



Waterproof Male to Female Extension Cables
 Available Lengths: 6" (item #DI-0757), 12" (item #DI-0758), 24" (item #DI-0759), 39" (item #DI-0709)
 Connector Width: 0.3"
 Creates an extension between TRUE FOCUS Tube Lights.



Waterproof Solder Connector Pair (item #DI-0725) 4.7" x 0.3"
 Connects the TRUE FOCUS Tube Light to a Hard-Wired Driver. One pair included with each bar.



Additional TRUE FOCUS Tube Mounting Clips (item #DI-0751) 0.9" x 0.9" x 0.4"
 Qty of 10 clips and 10 Phillips head screws. Two clips and screws are included with each bar.



REIGN 12V / 24V Dimmer Switches (page 73)
 The REIGN Dimmer is connected between the 12V or 24V DC power supply and 12V or 24V LED fixture, and offers 100%-0% dimming. Limit of 100W.



Waterproof Splitter Cable
2-way (item #DI-0804)
3-way (item #DI-0805)
5-way (item #DI-0806)
 8" x 1" x 0.3"
 Connects several TRUE FOCUS Tube Lights to one power source.



Adapter Splice Cable - female (item #DI-0712F) 42" x 0.45"



Adapter Splice Cable - male (item #DI-0712M) 42" x 0.45"



39 Inch DC Extension Cable (item #DI-0708) 39.4" x 0.5"
 Creates an extension between any fixtures or accessories that use DC plugs.



DC Splitter Plugs
2-Way (item #DI-0720) 5.7" x 0.4"
3-Way (item #DI-0705) 8" x 0.6"
5-Way (item #DI-0707) 8" x 0.6"
 Connects several Waterproof Plug to DC Adapter Connectors to one Plug-In Adapter.



ARRAY 24V Linkable Light Bars

The ARRAY 24V Linkable Light Bar features a modular design that allows you to create seamless LED light installations. With the use of the included ARRAY Bar-to-Bar Connector (item #DI-0266), any two ARRAY bars of any length can be directly joined end-to-end. This means there are no gaps in the light put out by these sleek and compact bars. As many as twelve 11.8 inch bars can be joined and powered by one 24V DC source. Each ARRAY bar comes with two ARRAY Mounting Clips and two screws (item #DI-0274), and two ARRAY Bar-to-Bar Connectors (item #DI-0266).

The ARRAY Light Bar has many indoor uses: shelving, under or over cabinets, inside cabinets and drawers, or as accent and cove lighting. The ARRAY bar is low-profile enough to be tucked away out of sight, but its sturdy and modern aluminum housing makes it a sleek designer light fixture. And it's dimmable with our REIGN 12V/24V Dimmer Switches (p. 75).

This direct link light bar is super bright, since it is equivalent in brightness to our TRUE FOCUS Tube Light. This light bar requires very little electricity to power it, only 1.65 - 6.6 Watts per bar, and gives off very little heat, making it perfect to light heat-sensitive items such as plants, food, wine, and fine art.

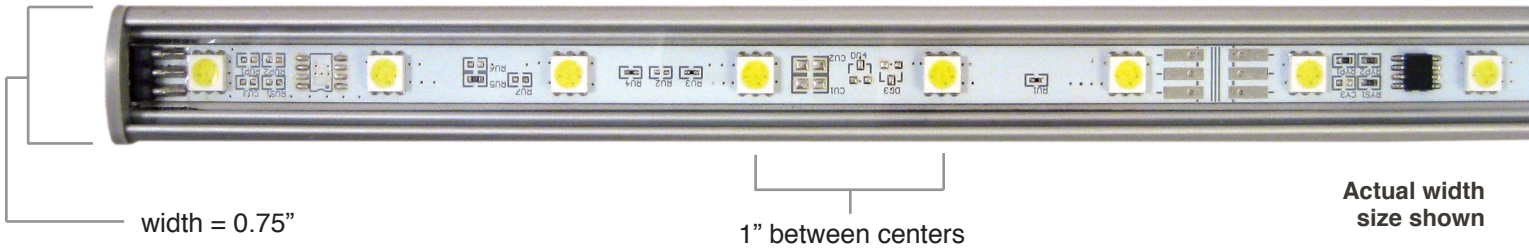
For use with the 24V DC Power Supplies listed on page 77.



Highlights

- **UL Listed**
- **Dimmable**
- Height: 0.4"
- **Voltage: 24V DC**
- IP Rating: indoor
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**

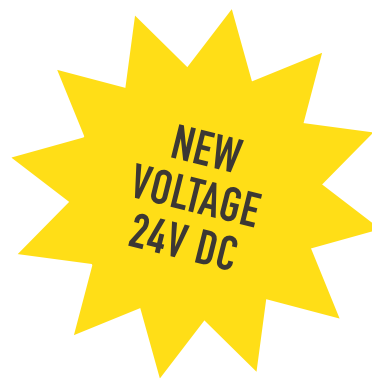




Technical Specifications: ARRAY 24V Linkable Light Bar

item #	length	color	color temp.	lumens	beam angle	voltage	power consumption	CRI	# of LEDs	max. bars on one run
DI-1260	5.9 in.	warm white	2800k	95	120°	24V DC	1.65W / 140mA	70	6	24
DI-1290	5.9 in.	neutral white	4100k	110	120°	24V DC	1.65W / 140mA	70	6	24
DI-1261	5.9 in.	cool white	5650k	110	120°	24V DC	1.65W / 140mA	70	6	24
DI-1262	11.8 in.	warm white	2800k	190	120°	24V DC	3.3W / 280mA	70	12	12
DI-1291	11.8 in.	neutral white	4100k	220	120°	24V DC	3.3W / 280mA	70	12	12
DI-1263	11.8 in.	cool white	5650k	220	120°	24V DC	3.3W / 280mA	70	12	12
DI-1264	23.6 in.	warm white	2800k	380	120°	24V DC	10W / 833mA	70	24	4
DI-1292	23.6 in.	neutral white	4100k	440	120°	24V DC	10W / 833mA	70	24	4
DI-1265	23.6 in.	cool white	5650k	440	120°	24V DC	10W / 833mA	70	24	4
DI-1280	35.5 in.	warm white	2800k	570	120°	24V DC	15W / 1.25A	70	36	2
DI-1293	35.5 in.	neutral white	4100k	660	120°	24V DC	15W / 1.25A	70	36	2
DI-1281	35.5 in.	cool white	5650k	660	120°	24V DC	15W / 1.25A	70	36	2
DI-1282	47.3 in.	warm white	2800k	720	120°	24V DC	20W / 1.67A	70	48	2
DI-1294	47.3 in.	neutral white	4100k	880	120°	24V DC	20W / 1.67A	70	48	2
DI-1283	47.3 in.	cool white	5650k	880	120°	24V DC	20W / 1.67A	70	48	2

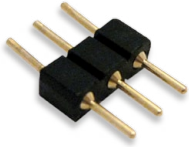
See how this product compares with our other products on the comparison chart on page 86. Two mounting clips and screws are included with each bar. For additional mounting clips, see page 82.



Accessories

Accessories are shown on the following page.

ARRAY 24V Linkable Light Bar Accessories



Bar-to-Bar Connector
0.45" x 0.3" x 0.1" (item #DI-0266)
Qty of 25 (item #DI-0266-25)
Qty of 50 (item #DI-0266-50)
Seamlessly connects two bars.
A pair comes with each bar.



9" Bar-to-Bar Extension Cable
9" x 0.4" x 0.3" (item #DI-0267)
Extension between two bars.



39" Bar-to-Bar Extension Cable
39" x 0.4" x 0.2" (item #DI-0268)
Extension between two bars.



Cable-to-Cable Extension Connector
0.5" x 0.4" x 0.2" (item #DI-0269)
Connects any two Bar-to-Bar Extension Cables.



Cable-to-Cable Splitter Connector
1.45" x 0.8" x 0.2" (item #DI-0270)
One input and four outputs power four unlinked bars with the same source.



Bar-to-Adapter Cable
11.5" x 0.4" x 0.2" (item #DI-0271)
Connects a bar to a Plug-In Adapter with a straight-type bar plug.



Right Angle Bar-to-Adapter Cable
19" x 0.4" x 0.2" (item #DI-0272)
Connects a bar to a Plug-In Adapter with a right-angle-type bar plug.



39" Bar-to-Adapter Extension Cable
39" x 0.4" x 0.2" (item #DI-0273)
Extension between a bar and the Bar-to-Adapter Cables (#DI-0271 and #DI-0275).



90° Bending Extension
2.2" x 0.4" x 0.2" (item #DI-0277)
Connects two bars with a joint that bends 0° - 90°.



On/Off Switch
12.5" x 0.8" x 0.75" (item #DI-0275)
Cables length: 7"
Connects a bar and Plug-In Adapter.



Hard-Wire Connector
19.5" x 0.4" x 0.2" (item #DI-0276)
Qty of 25 (item #DI-0276-25)
Qty of 50 (item #DI-0276-50)
Directly connects a bar to a Hard-Wired Driver.



Right Angle Hard-Wire Connector
39" x 0.4" x 0.2" (item #DI-0279)
Directly connects a bar to a Hard-Wired Driver.



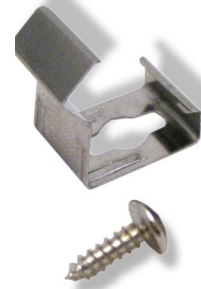
Array In-Line Dimmer
2" x 1.75" x 0.5" (item #DI-0295)
With the same dimensions as the Array bar, it attaches seamlessly into any array installation.



REIGN 12V / 24V Dimmer Switches (page 73)
The REIGN Dimmer is connected between the 12V or 24V DC power supply and 12V or 24V LED fixture, and offers 100%-0% dimming. Limit of 100W.



Mounting Clips and Screws Pair (item #DI-0274) / Qty of 25 (item #DI-0274-25) / Qty of 50 (item #DI-0274-50)
One pair of this clip is included with each bar and three clips included with 35.5" and 47.3" bars.



45° Angle Mounting Clips and Screws pair (item #DI-0278)
Qty of 25 (item #DI-0278-25)
Qty of 50 (item #DI-0278-50)
Mounts a bar at a 45° angle.

CASCADE LED Light Bar Kit

We offer the LED Light Bar kit as a quick and easy way to get everything you need for an LED lighting installation. Each plug-and-play kit includes an LED light, a Plug-In Adapter, an Inline On/Off Switch, and an extension that help give you a maximum of installation options. These are self-contained kits and need no special tools for assembly.

This LED Light Bar Kit is perfect for:

- Shelves
- Closets
- Work benches
- Desks
- Cupboards



**CASCADE
12" Light Bar Kit**
Warm White (item #DI-0192)

Includes:
1 x 12" CASCADE Light Bar
1 x Inline On/Off Switch
1 x 39 Inch DC Extension Cable
1 x 6 Watt Plug-In Adapter
1 x pair mounting clips and screws

- *Outdoor/Indoor*
- *Plug-and-play*
- *Do it yourself*
- *Minutes to assemble*
- *Low heat*





CAST LED Puck Light

An excellent substitute for hot halogen and unsightly fluorescent lighting, the CAST LED Puck Light is a slim, modern, and earth-friendly indoor light fixture. CAST LED Puck Lights are available in two versions: dimmable and non-dimmable. This puck light is perfect for all recessed cabinet and under cabinet lighting, as well as furniture, shelf, display-case, and accent lighting. Producing 270 lumens of light output while consuming a mere 3.6 Watts of electricity, the CAST LED Puck Light is your brightest option available. That's only 10% of the power used by a halogen or other incandescent fixture of equal brightness.

Just half an inch deep and made of sturdy aluminum, each puck is packed with 3 high power LED chips that will supply warm or cool white light to any bookshelf, built-in cabinet, or cove, and it's made-to-measure for kitchen lighting and any room in the home. Each puck **comes with two mounting screws** that make for easy installation.

CAST LED Puck Lights will outlast fluorescent tubes and CFLs by as much as 5 times and outperform them by using a fraction of the energy. This puck does not emit any UV or Infrared light, and very little heat.



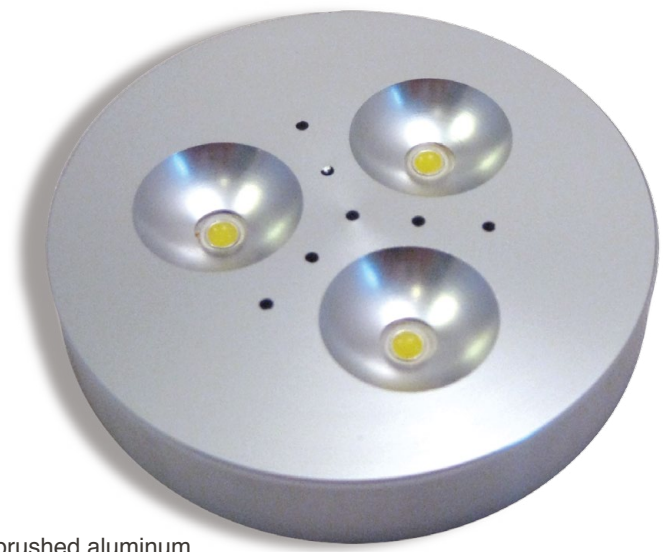
Highlights

- **UL Listed**
- **Dimmable or Non-Dimmable**
- **Can be recessed or surface-mounted**
- Power Consumption: 3.6W / 300mA
- Diameter: 2.75" / Depth: 0.56"
- Cut-out (for recessing): 2.55"
- Connector type: 36" female DC plug
- Voltage: 12V DC
- IP Rating: indoor
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**





black finish



brushed aluminum finish

Actual width size shown

Technical Specifications: CAST LED Puck Light

item #	dimmable	finish	color	color temp.	lumens	beam angle	IP rating	CRI	# of LEDs
DI-0330-AL	no	brushed aluminum	warm white	3050k	240	120°	IP63	68	3
DI-0330-BK	no	black	warm white	3050k	240	120°	IP63	68	3
DI-0331-AL	no	brushed aluminum	cool white	5750k	270	120°	IP63	70	3
DI-0331-BK	no	black	cool white	5750k	270	120°	IP63	70	3
DI-0332-AL	yes	brushed aluminum	warm white	3050k	240	120°	IP63	68	3
DI-0332-BK	yes	black	warm white	3050k	240	120°	IP63	68	3
DI-0333-AL	yes	brushed aluminum	cool white	5750k	270	120°	IP63	70	3
DI-0333-BK	yes	black	cool white	5750k	270	120°	IP63	70	3

One mounting ring and two screws are included with each puck light.

Accessories



REIGN 12V / 24V Dimmer Switches

(page 73)

The REIGN Dimmer is connected between the 12V or 24V DC power supply and 12V or 24V LED fixture, and offers 100%-0% dimming. Limit of 100W.



Inline On/Off Switch

(item #DI-0714) 9" x 2.5"

This 12V-24V switch with male and female plugs connects directly to the CAST LED Puck Light and any accessories with DC plugs.



Adapter Splice Cable - male

(item #DI-0712M) 42" x 0.45"

Connects CAST LED Puck Lights and DC Splitter Plugs to a hard-wired driver.



Inline Dimmer Switch

(item #DI-0715) 2.6" x 1.4" x 1.3"

Allows you to dim the dimmable version of the CAST LED Puck Light.



39 Inch DC Extension Cable

(item #DI-0708) 39.4" x 0.5"

Creates an extension between any fixtures or accessories that use DC plugs.



DC Splitter Plugs

2-Way (item #DI-0720) 5.7" x 0.4"

3-Way (item #DI-0705) 8" x 0.6"

5-Way (item #DI-0707) 8" x 0.6"

Connects several Waterproof Plug to DC Adapter Connectors to one Plug-In Adapter.

CAST Puck Light Kits

We offer LED Light kits as a quick and easy way to get everything you need for an LED lighting installation. Each plug-and-play kit includes LED lights, a Plug-In Adapter, an Inline Dimmer Switch or Inline On/Off Switch, and assorted DC connectors that help give you a maximum of installation options. These are self-contained kits and need no special tools for assembly.

- Plug-and-play
- Do it yourself
- Minutes to assemble
- Recessed or surface-mount
- Low heat

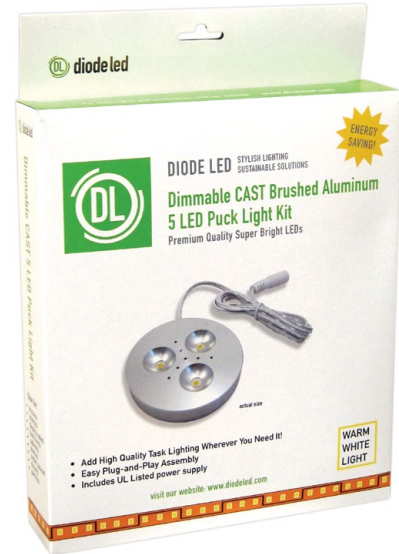


CAST Single Puck Light Kit

warm white (item #DI-0193)

Includes:

- 1 x CAST Puck Light
- 1 x Inline On/Off Switch
- 1 x 39 Inch DC Extension Cable
- 1 x 6 Watt Plug-In Adapter



CAST Dimmable Brushed Aluminum 5 Puck Light Kit

warm white (item #DI-0185)
cool white (item #DI-0186)

Includes:

- 5 x CAST Puck Lights
- 1 x 5-Way DC Splitter
- 2 x 39 Inch DC Extension Cables
- 1 x Inline Dimmer Switch
- 1 x 36 Watt Plug-In Adapter



CAST Dimmable Brushed Aluminum 3 Puck Light Kit

warm white (item #DI-0183)
cool white (item #DI-0184)

Includes:

- 3 x CAST Puck Lights
- 1 x 3-Way DC Splitter
- 1 x Inline Dimmer Switch
- 1 x 36 Watt Plug-In Adapter

SPLASH Series Industrial LED Wall Washers



TOUGH MOUNTING BRACKETS FOR EASY INSTALL

49" Wall Washer

(item #DI-0452, DI-0453, DI-0454, DI-0455)
49" x 3" x 2.74"
Weight: 13.5 lbs.

Diode LED's longest and slimmest wall washer, at under 3 inches wide, the 49 Inch Wall Washer hugs close to a wall or ceiling. This wall washer is ideal for billboards and other outdoor signage, as well as exterior architectural applications. Heat shrink tubes included. Comes with two sturdy mounting brackets.



PAR 64 Wall Washer

(item #DI-0472, DI-0473, DI-0474, DI-0475)
7" x 7" x 8"
Weight: 8 lbs. 11 oz.

This LED spotlight is only 7 inches in diameter, so it can be used for stage and theater spotighting, club flood lighting, and exterior and interior architectural accent lighting. It has a projection distance of up to 115 feet (in the 15° version). Heat shrink tubes included.

TOUGH MOUNTING BRACKET FOR EASY INSTALL



13" Wall Washer

(item #DI-0462, DI-0463, DI-0464, DI-0465)
13" x 5.1" x 3.2"
Weight: 11 lbs.

Just over a foot long and only 5 inches wide, this multi-color light contains 36 high-power LEDs that are enough to light a 200 or more square foot room, and have a projection distance of 65 feet. It is water resistant and wet location rated, so use it to decorate both indoor and outdoor settings. Sturdy aluminum mounting bracket and heat shrink tubes included.

Technical Specifications: SPLASH Series Industrial LED Wall Washers

item #	product	color	color temp.	projection distance	lumens	beam angle	power consumption	IP rating	# of LEDs	max. daisy-chain
DI-0452	49" Wall Washer	warm white	3200k	16.4 ft.	3,060	45°	56W max.	IP65	36	10 washers
DI-0453	49" Wall Washer	warm white	3200k	65 ft.	3,060	15°	56W max.	IP65	36	10 washers
DI-0454	49" Wall Washer	cool white	4450k	16.4 ft.	3,420	45°	56W max.	IP65	36	10 washers
DI-0455	49" Wall Washer	cool white	4450k	65 ft.	3,420	15°	56W max.	IP65	36	10 washers
DI-0472	PAR 64 Wall Washer	warm white	3200k	16.5 ft.	3,060	45°	55W max.	IP65	36	10 washers
DI-0473	PAR 64 Wall Washer	warm white	3200k	115 ft.	3,060	15°	55W max.	IP65	36	10 washers
DI-0474	PAR 64 Wall Washer	cool white	4450k	16.5 ft.	3,420	45°	55W max.	IP65	36	10 washers
DI-0475	PAR 64 Wall Washer	cool white	4450k	115 ft.	3,420	15°	55W max.	IP65	36	10 washers
DI-0462	13" Wall Washer	warm white	3200k	16.4 ft.	3,060	45°	55W max.	IP65	36	10 washers
DI-0463	13" Wall Washer	warm white	3200k	65 ft.	3,060	15°	55W max.	IP65	36	10 washers
DI-0464	13" Wall Washer	cool white	4450k	16.4 ft.	3,420	45°	55W max.	IP65	36	10 washers
DI-0465	13" Wall Washer	cool white	4450k	65 ft.	3,420	15°	55W max.	IP65	36	10 washers



SUNSPOT Module Light

The SUNSPOT Module Light is a plug-and-play, compact LED light fixture that is sold by the module, allowing you to install as many lights virtually anywhere you need to. This light module features a waterproof plug that connects to a 12V Plug-In Adapter with the LED Light Bar Adapter Cable, and connects to a 12V Hard-Wired Driver using the Waterproof Solder Connector. This IP68-rated module is perfect for use in wet locations such as decks and railings, in displays and exhibits, and for small spotlighting. It is available with either a light beam angle of 15° that provides more focused spot light, or with the wider 45° beam angle, which has more of a flood light spread.

Due to its compact size (roughly 1.1 inches high and only 1.5 inches wide), the SUNSPOT Module can be used discreetly in open areas indoors or outdoors. You can have as many or as few modules as you like in applications such as:

- Patios and decks
- Stairways and aisles
- Marker lighting
- Indoor and outdoor signs
- Shadow boxes and light boxes
- Glass tables
- Vending and gaming machines
- Shop windows

SUNSPOT Module Lights are the perfect tool for the “do-it-yourselfer”, letting you decide how much and exactly where the light for your project will be, with minimal setup.



Highlights

- **Wet Location**
- **Non-Dimmable**
- **Surface-Mount only**
- Power Consumption: 3W
- Diameter: 1.55” / Height: 1.1”
- Connector type: 36” female waterproof plug
- Voltage: 12V DC
- IP Rating: wet location / outdoor
- Connector Type: female waterproof plug
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**



Technical Specifications: SUNSPOT Module Light

item #	beam angle	diameter	weight	color	color temp.	lumens	IP rating	CRI	# of LEDs
DI-1440	45°	1.55"	3 oz.	warm white	2800k	80	IP65	72	1
DI-1441	45°	1.55"	3 oz.	cool white	5750k	98	IP65	77	1
DI-1442	15°	1.55"	3 oz.	warm white	2800k	80	IP65	72	1
DI-1443	15°	1.55"	3 oz.	cool white	5700k	98	IP65	77	1
DI-1430	45°	1.55"	3 oz.	red	625nm	n/a	IP65	n/a	1
DI-1431	45°	1.55"	3 oz.	green	530nm	n/a	IP65	n/a	1
DI-1432	45°	1.55"	3 oz.	blue	465nm	n/a	IP65	n/a	1
DI-1433	45°	1.55"	3 oz.	amber	595nm	n/a	IP65	n/a	1
DI-1434	45°	1.55"	3 oz.	purple	405nm	n/a	IP65	n/a	1

Accessories



Waterproof Plug to DC Adapter Connector male (item #DI-0710M) 7.5" x 0.3"
Connects the SUNSPOT Module Light to a Plug-In Adapter and to DC accessories.



Waterproof Male to Female Extension Cables
Available Lengths: **6"** (item #DI-0757), **12"** (item #DI-0758), **24"** (item #DI-0759), **39"** (item #DI-0709)
Connector Width: 0.3"
Creates an extension between SUNSPOT Module Lights.



Waterproof Solder Connector Pair (item #DI-0725) 4.7" x 0.3"
Connects the SUNSPOT Module Light to a Hard-Wired Driver.



Waterproof Splitter Cable
2-way (item #DI-0804)
3-way (item #DI-0805)
5-way (item #DI-0806)
Connects several SUNSPOT Module Lights to one power source. Features one female plug and 2, 3, or 5 male plugs.



DC Splitter Plugs
2-Way (item #DI-0720) 5.7" x 0.4"
3-Way (item #DI-0705) 8" x 0.6"
5-Way (item #DI-0707) 8" x 0.6"
Connects several Waterproof Plug to DC Adapter Connectors to one Plug-In Adapter.



Inline On/Off Switch (item #DI-0714) 9" x 2.5"
This 12V-24V switch with male and female plugs connects directly to any accessories with DC plugs.



BEACON Exit Sign Light Retrofit

The BEACON Exit Sign Light Retrofit is the ideal replacement bulb kit for exit signs. Just as with conventional LED lighting, BEACON Exit Sign Light Bulbs consume only a fraction of the electricity of typical exit signage. The manufacturing of these LED lights produces far less pollution than that of incandescent bulbs. The upgraded energy-efficiency and reduced environmental impact of lighted signs that use LEDs have numerous benefits, but these LED lights also offer increased brightness and lighting contrast, and a longer lifespan of 50,000 hours, so you don't need to worry about them running up the bill or burning out from being on all day and night. Low heat LED lights are safer than traditional bulbs.

This all-inclusive BEACON Exit Sign Light Retrofit comes with two 12V DC LED bulbs (featuring an E12/E15 candelabra base) in red or green, and two pairs of two additional types of light fixture connectors to accommodate most exit signs, and these connectors are easy to use, so replacing your incandescent bulbs with them is a breeze. These lighting modules are great to retrofit signage.

The included connector sizes are:

- Intermediate
- BA9S Bayonet

These plug-and-play LED sign lights offer more luminosity than standard incandescent lighting. They are also free of flickering and humming, so they're more consistent and reliable than fluorescent lights. With their low energy consumption and long life, BEACON Exit Sign Light Retrofits can be left on for long periods of time, delivering the best lighting available while decreasing pollution and keeping costs down at the same time.



Highlights

- **ETL Listed**
- **Conforms to UL 924**
- **Red or Green**
- **No transformer needed**
- **Screws right into existing socket**
- Power Consumption: 1.4W
- Height: 4.75"
- Width: 1.6"
- Depth: 0.6"
- Bulb Shape: T6-1/2 (candelabra)
- Voltage: 12V DC
- IP Rating: indoor
- Lamp Life: 50,000 hours
- **Please see Product Specification Sheet for complete details at www.DiodeLED.com**



Technical Specifications: BEACON Exit Sign Light Retrofit

item #	dimnable	weight	color	power consumption	beam angle	IP rating	# of LEDs
DI-0390	no	3 oz.	red	1.4W	120°	IP50	23
DI-0391	no	3 oz.	green	1.4W	120°	IP50	23

Power Supplies & Transformers

Most of Diode LED's lights are 12V DC fixtures; the ULTRA BLAZE 24V High Output Strip Light and the ARRAY 24V Linkable Light Bar are 24V DC fixtures. SPLASH Series Industrial Wall Washers are 24V fixtures that plug directly into a wall outlet. 12V lights require a transformer to convert standard household 120V AC power to 12V DC, while 24V lights require a transformer to convert 120V AC power to 24V DC. Diode LED offers three types of transformer:

- Plug-In Adapter
- Hard-Wired Non-Dimmable Driver
- Hard-Wired Dimmable Driver



12V Hard-Wired Non-Dimmable Drivers

Hard-Wired Non-Dimmable Drivers should be hard-wired to household AC power by a licensed electrician. Any of our dimmable light fixtures, powered by a hard-wired driver, can be dimmed using the REIGN 12V in-wall switch (next page) or the Inline Dimmer Switch (page 75).

Can be dimmed with the REIGN 12V/24V Dimmer Switch



Can be used with 4-Way and 8-Way Hard-Wire Terminal Blocks (page 83)



12V - 25 Watt Mini Class 2 Non-Dimmable Driver
(item #DI-0939) 3.1" x 2.1" x 1.2"



12V - 150 Watt Class 2 Non-Dimmable Driver
(item #DI-0908) 8.25" x 3.9" x 2"

12V - 20 Watt Class 2 Non-Dimmable Driver
(item #DI-0904) 4.6" x 1.35" x 1"

12V - 35 Watt Class 2 Non-Dimmable Driver
(item #DI-0918) 5.75" x 1.5" x 1.2"

12V - 60 Watt Class 2 Non-Dimmable Driver
(item #DI-0906) 6.25" x 1.6" x 1.25"

Can be used with the Meanwell Junction Box (page 83)



12V - 200 Watt Non-Dimmable Driver
(item #DI-0909) 8.25" x 3.9" x 1.9"

12V - 300 Watt Non-Dimmable Driver
(item #DI-0928) 8.5" x 4.9" x 1.6"

12V - 600 Watt Non-Dimmable Driver
(item #DI-0929) 9.75" x 4.1" x 2.5"

Note: 200W, 300W, and 600W drivers have an **audible built-in fan for cooling.*

Note: All our power supplies are UL Listed or UL-Recognized Components. The manufacturer rates each power supply for maximum power output at optimum thermal and voltage conditions. As with any power supply, true actual maximum continuous current output depends upon various environmental factors such as ambient temperature, line voltage fluctuations, and orientation that may affect heat dissipation. For optimum performance, do not load the power supply to more than 80% of its labeled rating.





Button Slide
 (item #DI-1150-A)
 (item #DI-1150-LA)
 (item #DI-1150-W)



Full Slide
 (item #DI-1151-A)
 (item #DI-1151-LA)
 (item #DI-1151-W)



Touch Dimmer
 (item #DI-1152-A)
 (item #DI-1152-LA)
 (item #DI-1152-W)

100% - 0% Dimming!

The first in-wall switch on the market made specifically for dimming LED lights.



REIGN 12V-24V Dimmer Switches

REIGN 12V-24V Dimmer Switches are manufactured for Diode LED as electronic low voltage dimmers that fit right into a standard wall light switch box. These low voltage dimmers are connected between the 12V to 24V DC power supply and 12V to 24V LED fixture, and will dim any of Diode LED's lights that are dimmable. These stylish dimmers come in an attractive housing and are the ultimate LED retrofit accessory that allows you to take advantage of the full range of brightness of dimmable LEDs. REIGN Switches fit easily into a NEMA standard single-gang box, making it easy to create a seamless LED installation using your existing switchbox.

Our line of REIGN Dimmer Switches includes three models: the Button Slide, the Full Slide, and the Touch Dimmer. The Button Slide dimmer 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 Touch Dimmer features a sensitive touch pad. While most LED dimmers only dim to 40%, the REIGN offers a full 100% - 0% dimming range, with no flickering, humming, or jumping.



Highlights

**ETL Listed (Conforms to UL 508)
 Low Voltage**

Length: 4.5"

Width: 1.75"

Depth: 1.7"

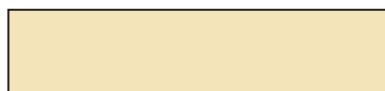
Switch Type: electronic low voltage

Available finishes: White, Almond, and Light Almond

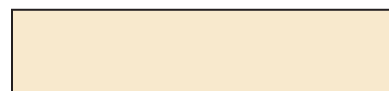
Warning: 12V/24V DC only. Do not connect to 120V AC power.



White



Almond



Light Almond

Technical Specifications: REIGN 12V-24V Dimmer Switch

item #	type	finish	input voltage	output voltage	maximum load	dimming range
DI-1150-A	Button Slide	almond	12V-24V DC	12V-24V DC	100W	0% - 100%
DI-1150-LA	Button Slide	light almond	12V-24V DC	12V-24V DC	100W	0% - 100%
DI-1150-W	Button Slide	white	12V-24V DC	12V-24V DC	100W	0% - 100%
DI-1151-A	Full Slide	almond	12V-24V DC	12V-24V DC	100W	0% - 100%
DI-1151-LA	Full Slide	light almond	12V-24V DC	12V-24V DC	100W	0% - 100%
DI-1151-W	Full Slide	white	12V-24V DC	12V-24V DC	100W	0% - 100%
DI-1152-A	Touch Dimmer	almond	12V-24V DC	12V-24V DC	100W	0% - 100%
DI-1152-LA	Touch Dimmer	light almond	12V-24V DC	12V-24V DC	100W	0% - 100%
DI-1152-W	Touch Dimmer	white	12V-24V DC	12V-24V DC	100W	0% - 100%

Power Supplies / Transformers



Most of Diode LED's lights are 12V DC fixtures; the ULTRA BLAZE 24V High Output Strip Light and the ARRAY 24V Linkable Light Bar are 24V DC fixtures. SPLASH Series Industrial Wall Washers are 24V fixtures that plug directly into a wall outlet, so no additional power supply is necessary. 12V lights require a transformer to convert standard household 120V AC power to 12V DC, while 24V lights require a transformer to convert 120V AC power to 24V DC. Diode LED offers three types of transformer:

- Plug-In Adapter
- Hard-Wired Non-Dimmable Driver
- Hard-Wired Dimmable Driver

12V Plug-In Adapters

Adapters plug into a standard electrical socket. Any of our dimmable light fixtures, powered by a plug-in adapter, can be dimmed using the REIGN 12V/24V in-wall switch (previous page) or the Inline Dimmer Switch (next page). Each adapter features a male DC plug.

**Can be dimmed
and controlled with
these 12V switches.**



12V - 12 Watt Class 2 Listed Adapter
(item #DI-0927)
2.35" x 1.75" x 1.4"
total cable length: 70"



12V - 36 Watt Class 2 Listed Adapter
(item #DI-0912)
3.8" x 1.75" x 1.4"
total cable length: 70"



12V - 60 Watt Class 2 Listed Adapter
(item #DI-0913)
4.7" x 2" x 1.25"
total cable length: 108"



12V - 96 Watt Adapter
(item #DI-0930)
6.8" x 2.5" x 1.6"
total cable length: 108"

12V - 120 Watt Adapter
(item #DI-0931)
6.8" x 2.5" x 1.6"
total cable length: 108"

*Note: 96W & 120W
adapters have an
audible built-in fan for
cooling.*

Note: All our power supplies are UL Listed or UL-Recognized Components. The manufacturer rates each power supply for maximum power output at optimum thermal and voltage conditions. As with any power supply, true actual maximum continuous current output depends upon various environmental factors such as ambient temperature, line voltage fluctuations, and orientation that may affect heat dissipation. For optimum performance, do not load the power supply to more than 80% of its labeled rating.

12V-24V Switches

Our 12V to 24V Switches all feature DC plugs that make them compatible with any of our DC accessories. Any of our dimmable light fixtures powered by plug-in adapters or the standard hard-wired drivers can be dimmed using the Inline Dimmer Switch. *Note: these switches are compatible with non-dimmable hard-wired drivers and plug-in adapters only.*



Inline Dimmer Switch

black (item #DI-0715-B)
white (item #DI-0715)
switch: 2.6" x 1.4" x 1.3"
cable lengths: 7.8"

This 12V-24V switch dims any of Diode's dimmable fixtures and can be used with any Diode Plug-In Adapter or Hard-Wired Driver. The Inline Dimmer features male and female plugs that connect directly to any accessories with DC plugs and CAST Puck Lights. They can be used with all single color Strip Lights. Not compatible with our Hard-Wired Dimmable Drivers. This switch has a 24W limit. *Note: This switch makes a slight **audible** noise.*



Inline On/Off Switch

black (item #DI-0714-B)
white (item #DI-0714)
switch: 2.5" x 0.9" x 0.7"
cable lengths: 3.25"
100W Limit

This 12V-24V switch with male and female plugs connects directly to any accessories with DC plugs and CAST Puck Lights. In conjunction with the proper accessories, this switch can be used with any Diode fixture.

Power Supplies / Transformers

Most of Diode LED's lights are 12V DC fixtures; the ULTRA BLAZE 24V High Output Strip Light and the ARRAY 24V Linkable Light Bar are 24V DC fixtures. SPLASH Series Industrial Wall Washers are 24V fixtures that plug directly into a wall outlet. 12V lights require a transformer to convert standard household 120V AC power to 12V DC, while 24V lights require a transformer to convert 120V AC power to 24V DC. Diode LED offers three types of transformer:

- Plug-In Adapter
- Hard-Wired Non-Dimmable Driver
- Hard-Wired Dimmable Driver



12V Hard-Wired Dimmable Drivers

Hard-Wired Dimmable Drivers should be hard-wired to household AC power by a licensed electrician. Any of our dimmable light fixtures can be powered by our hard-wired dimmable drivers and a 120V AC magnetic low voltage dimmer switch. All Diode LED Dimmable Drivers are UL Listed.

DO NOT USE WITH A 120V ON/OFF SWITCH

Pair these drivers with 120V magnetic low voltage dimmer switches. These drivers are not compatible with our REIGN dimmer switch or 12V-24V Inline On/Off Switches. For a complete list of compatible switches, see the Tools and Resources page on www.DiodeLED.com.



*For best performance with the dimmable driver line, configurable wattage must be between **50% and 80%** of the dimmable driver's total capacity.*

12V - 20 Watt Indoor/Outdoor Class 2 Listed Dimmable Driver
(item #DI-0920) 5.6" x 2.14" x 2.25"

12V - 60 Watt Class 2 Listed Dimmable Driver
(item #DI-0922) 6.5" x 2.6" x 2.25"

12V - 100 Watt Dimmable Driver
(item #DI-0925) 9" x 4.2" x 3.25"

12V - 200 Watt Dimmable Driver
(item #DI-0923) 9" x 4.2" x 3.25"

12V - 300 Watt Dimmable Driver
(item #DI-0926) 9" x 4.2" x 3.25"

Note: All our power supplies are UL Listed or UL-Recognized Components. The manufacturer rates each power supply for maximum power output at optimum thermal and voltage conditions. As with any power supply, true actual maximum continuous current output depends upon various environmental factors such as ambient temperature, line voltage fluctuations, and orientation that may affect heat dissipation. For optimum performance, do not load the power supply to more than 80% of its labeled rating.

Power Supplies for Custom Applications

Diode LED has a variety of 12V and 24V Power supplies that are well suited to most custom LED configurations. However, as the LED industry continues to grow, more versatile flicker-free dimming LED fixtures and power supplies are becoming available to function correctly with existing sophisticated digital lighting control systems. While we specifically promote more user-friendly products and applications at Diode LED, we also have unlisted products and solutions available for complex custom lighting applications.

24V Power Supplies

The ULTRA BLAZE 24V High Output Strip Light and ARRAY 24V Linkable Light Bar are Diode LED's only 24V DC fixtures. They require a transformer to convert standard household 120V AC power to 24V DC. Diode LED provides three choices of transformers: a Plug-In Adapter, a Hard-Wired Non-Dimmable Driver, and a Hard-Wired Dimmable Driver.



24V - 96 Watt Class 2 Listed Plug-In Adapter
 (item #DI-0955)
 4.7" x 2" x 1.2"
 total cable length: 108"



24V - 96 Watt Hard-Wired Class 2 Non-Dimmable Driver
 (item #DI-0954)
 8" x 2.75" x 1.4"
 cable lengths: 10"



24V - 200 Watt Hard-Wired Non-Dimmable Driver
 (item #DI-0957)
 8.5" x 4.52" x 2"



24V - 320 Watt Hard-Wired Non-Dimmable Driver (not pictured)
 (item #DI-0958)
 See website for specifications.



24V - 96W Hard-Wired Class 2 Dimmable Driver
 (item #DI-0956)
 6.5" x 2.6" x 2.25"



24V - 200W Hard-Wired Dimmable Driver (not pictured)
 9" x 4.2" x 3.25" (item #DI-0959)
 See website for specifications.



24V - 300W Hard-Wired Dimmable Driver (not pictured)
 9" x 4.2" x 3.25" (item #DI-0960)
 See website for specifications.



Note: All our power supplies are UL Listed or UL-Recognized Components. The manufacturer rates each power supply for maximum power output at optimum thermal and voltage conditions. As with any power supply, true actual maximum continuous current output depends upon various environmental factors such as ambient temperature, line voltage fluctuations, and orientation that may affect heat dissipation. For optimum performance, do not load the power supply to more than 80% of its labeled rating.

12V Battery Packs

Compatible
with our
12V-24V
Inline Dimmer
Switch



VoltaMax High Output Rechargeable 12V Battery Pack

(item #DI-0917) 5.4" x 3.1" x 1", DC Cable Length: 45"

Capacity = 13.2 Amp hours, Charge time = <10 hours, Wattage Limit = 60W

This lightweight portable 12V battery pack will power one 20" TRUE FOCUS LED Tube Light (3.6W) for 52 hours. To charge, just plug the adapter into the "DC In" plug on the charger, then into a wall outlet. There are five lights on the battery: the left light is a low power light that flickers; the other four will light up green left to right to indicate the level of charge. When all four green lights are shining, charging is complete. Then just plug your LED light into the "DC IN/OUT" jack with the included 45 inch cable.



PortaVolt Rechargeable 12V Battery Pack

(item #DI-0916) 3.7" x 2.4" x 1.1", DC Cable Length: 26"

Capacity = 3.8 Amp hours, Charge time = <10 hours, Wattage Limit = 60W

This ultra-lightweight, compact, and portable 12V battery pack powers one 20" TRUE FOCUS LED Tube Light (3.6W) for 15 hours. To charge, just plug the charger to the wall outlet, a red LED on the adapter will light up. Connect the charger cable to the "DC IN/OUT" jack on the battery pack and switch the pack "ON". The green LED lights up during charging. When the green LED is off, the charging is complete. Then just plug your LED light into the "DC IN/OUT" jack with the included 26 inch cable.

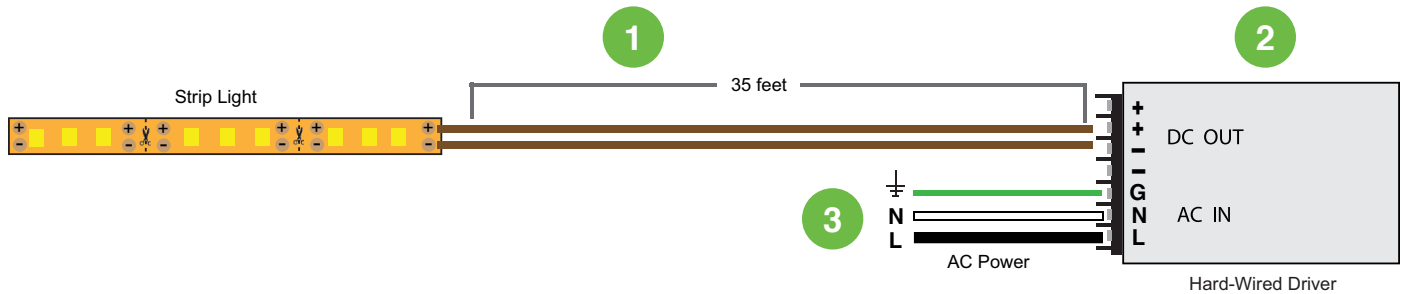
Voltage Drop & Wire Gauge Distance Chart

“Voltage drop” is a gradual lessening of power through a wire over a long distance. The farther the light fixture is from the power source, the more voltage drop will occur. Voltage drop becomes a significant factor in any LED light installation when the distance between the lights and the power source is greater than 20 feet.

To minimize voltage drop, you can:

1. Use a thicker gauge wire (the lower the number, the heavier and thicker the wire) between the 12V-24V driver and the light.
2. Use multiple smaller power sources throughout a large installation.
3. Place the 12V-24V driver closer to the 12V-24V light by extending the wiring between 120V house power and the 12V or 24V driver, rather than between the 12V-24V driver and the light.

For optimum results, consult a qualified, licensed electrician prior to installation.



For an installation that follows option 1 above, determine what gauge wire (AWG) you will need to prevent voltage drop by consulting the chart below. The recommendations in this chart are based on accepted standards to prevent a voltage drop greater than 10%. In order to ensure the full lamp life of an LED light fixture, always supply the full 12V or 24V DC power. *Note: Be sure to observe the run limits recommended for each strip light as detailed on the strip light’s product page, as exceeding these limits will also result in voltage drop.*

Product	Voltage	Watts per foot	Feet between light and 12v-24V power source	Wire Gauge
EMBER Ambient Strip Light	12V DC	0.72W	1' - 20'	22 AWG
	12V DC	0.72W	21' - 35'	20 AWG
	12V DC	0.72W	36' - 60'	18 AWG
FLUID VIEW and SIDEWINDER Strip Lights	12V DC	1.44W	1' - 10'	22 AWG
	12V DC	1.44W	11' - 25'	20 AWG
	12V DC	1.44W	26' - 50'	18 AWG
	12V DC	1.44W	51' - 90'	16 AWG
BLAZE High Output Strip Lights	12V DC	2.9W	1' - 10'	20 AWG
	12V DC	2.9W	11' - 30'	18 AWG
	12V DC	2.9W	31' - 60'	16 AWG
ULTRA BLAZE 12V or 24V High Output Strip Light	12V / 24V DC	4.4W	1' - 5'	20 AWG
	12V / 24V DC	4.4W	6' - 15'	18 AWG
	12V / 24V DC	4.4W	16' - 25'	16 AWG
	12V / 24V DC	4.4W	41' - 60'	14 AWG
	12V / 24V DC	4.4W	31' - 65'	12 AWG
SPECTRUM RGB Strip Light	12V DC	2.2W	1' - 10'	22 AWG
	12V DC	2.2W	11' - 25'	18 AWG
	12V DC	2.2W	26' - 50'	16 AWG
DAZZLE High Output RGB Strip Light	12V DC	4.4W	1' - 10'	18 AWG
	12V DC	4.4W	11' - 30'	16 AWG
	12V DC	4.4W	31' - 65'	14 AWG

DC Plug Accessories



Adapter Splice Cable - female
(item #DI-0712F)
Qty of 25 (item #DI-0712F-25)
Qty of 50 (item #DI-0712F-50)
42" x 0.45"
Allows you to solder wires to a strip and connect to a Plug-In Adapter.



DC Wire Plug - female
(item #DI-1713F)
Qty of 25 (item #DI-1713F-25)
Qty of 50 (item #DI-1713F-50)
1.6" x 0.6" x 0.5"
Converts exposed lead wires to a female DC plug without soldering.



Adapter Splice Cable - male
(item #DI-0712M)
Qty of 25 (item #DI-0712M-25)
Qty of 50 (item #DI-0712M-50)
42" x 0.45"
Connects CAST LED Puck Lights and DC Splitter Plugs to a hard-wired driver. Connects an RGB Signal Amplifier to a hard-wired non-dimmable driver.



DC Wire Plug - male
(item #DI-1713M)
Qty of 25 (item #DI-1713M-25)
Qty of 50 (item #DI-1713M-50)
1.6" x 0.6" x 0.5"
Converts exposed lead wires to a male DC plug without soldering.



39 Inch DC Extension Cable
(item #DI-0708)
Qty of 25 (item #DI-0708-25)
Qty of 50 (item #DI-0708-50)
39.4" x 0.5"
Creates an extension between any fixtures or accessories that use DC plugs.



2-Way DC Splitter
(item #DI-0720)
Qty of 25 (item #DI-0720-25)
Qty of 50 (item #DI-0720-50)
5.7" x 0.4"



3-Way DC Splitter
(item #DI-0705)
Qty of 25 (item #DI-0705-25)
Qty of 50 (item #DI-0705-50)
8" x 0.6"



5-Way DC Splitter
(item #DI-0707)
Qty of 25 (item #DI-0707-25)
Qty of 50 (item #DI-0707-50)
8" x 0.6"

Allows several fixtures with DC plugs to be powered by the same source.

Strip Light Accessories



Strip Light Splice Connector

3.4 in. (item #DI-0732), Qty of 25 (item #DI-0732-25), Qty of 50 (item #DI-0732-50)
2 ft. (item #DI-0742), Qty of 25 (item #DI-0742-25), Qty of 50 (item #DI-0742-50)
4 ft. (item #DI-0743), Qty of 25 (item #DI-0743-25), Qty of 50 (item #DI-0743-50)
6 ft. (item #DI-0744), Qty of 25 (item #DI-0744-25), Qty of 50 (item #DI-0744-50)
8 ft. (item #DI-0745), Qty of 25 (item #DI-0745-25), Qty of 50 (item #DI-0745-50)
Connects EMBER, FLUID VIEW, and BLAZE Strip Lights to a Hard-Wired Driver.

ULTRA BLAZE 12V and 24V Strip Light Splice Connector

3.4 in. (item #DI-0735), Qty of 25 (item #DI-0735-25), Qty of 50 (item #DI-0735-50)
2 ft. (item #DI-0736), Qty of 25 (item #DI-0736-25), Qty of 50 (item #DI-0736-50)
4 ft. (item #DI-0737), Qty of 25 (item #DI-0737-25), Qty of 50 (item #DI-0737-50)
6 ft. (item #DI-0738), Qty of 25 (item #DI-0738-25), Qty of 50 (item #DI-0738-50)
8 ft. (item #DI-0739), Qty of 25 (item #DI-0739-25), Qty of 50 (item #DI-0739-50)
Connects ULTRA BLAZE 24V High Output Strip Light to a Hard-Wired Driver.



Strip-to-Strip Connector

(item #DI-0701), Qty of 25 (item #DI-0701-25), Qty of 50 (item #DI-0701-50)
0.7" x 0.4" x 0.1"
Connects sections of EMBER, FLUID VIEW, and BLAZE Strip Light.

ULTRA BLAZE 12V and 24V Strip-to-Strip Connector

(item #DI-0740), Qty of 25 (item #DI-0740-25), Qty of 50 (item #DI-0740-50)
0.7" x 0.4" x 0.1"
Connects sections of ULTRA BLAZE 24V High Output Strip Light.



Strip Light Bending Extension

3 in. (item #DI-0722), Qty of 25 (item #DI-0722-25), Qty of 50 (item #DI-0722-50)
2 ft. (item #DI-0791), Qty of 25 (item #DI-0791-25), Qty of 50 (item #DI-0791-50)
4 ft. (item #DI-0792), Qty of 25 (item #DI-0792-25), Qty of 50 (item #DI-0792-50)
6 ft. (item #DI-0793), Qty of 25 (item #DI-0793-25), Qty of 50 (item #DI-0793-50)
8 ft. (item #DI-0794), Qty of 25 (item #DI-0794-25), Qty of 50 (item #DI-0794-50)
Connects non-waterproof single color EMBER, FLUID VIEW, and BLAZE Strip Light sections with a flexible joint with a bending range of 0° - 180°.

ULTRA BLAZE 12V and 24V Strip Light Bending Extension

3 in. (item #DI-0733), Qty of 25 (item #DI-0733-25), Qty of 50 (item #DI-0733-50)
2 ft. (item #DI-0795), Qty of 25 (item #DI-0795-25), Qty of 50 (item #DI-0795-50)
4 ft. (item #DI-0796), Qty of 25 (item #DI-0796-25), Qty of 50 (item #DI-0796-50)
6 ft. (item #DI-0797), Qty of 25 (item #DI-0797-25), Qty of 50 (item #DI-0797-50)
8 ft. (item #DI-0798), Qty of 25 (item #DI-0798-25), Qty of 50 (item #DI-0798-50)
Connects ULTRA BLAZE 24V High Output Strip Light sections with a flexible joint with a bending range of 0° - 180°.

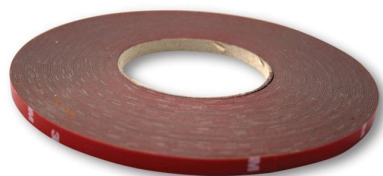


Strip Light DC Plug Connector

(item #DI-0700), Qty of 25 (item #DI-0700-25), Qty of 50 (item #DI-0700-50)
5.4" x 0.4"
Connects EMBER, FLUID VIEW, and BLAZE Strip Lights to a Plug-In Adapter.

ULTRA BLAZE 12V and 24V Strip Light DC Plug Connector

(item #DI-0721), Qty of 25 (item #DI-0721-25), Qty of 50 (item #DI-0721-50)
5.4" x 0.4"
Connects ULTRA BLAZE 24V High Output Strip Light to a Plug-In Adapter.



3M™ Adhesive Tape

by the foot (item #DI-0775-F)
by the 100 ft. spool (item #DI-0775-S)

Light Bar and Wet Location Strip Light Accessories



Waterproof Plug to DC Adapter Connector

female (item #DI-0710F), Qty of 25 (item #DI-0710F-25), Qty of 50 (item #DI-0710F-50)
male (item #DI-0710M), Qty of 25 (item #DI-0710M-25), Qty of 50 (item #DI-0710M-50)
7.5" x 0.4"

Connects single color Wet Location Strip Light, the SUNSPOT Module Light, SUNRISE and CASCADE Light Bars, and TRUE FOCUS Tube Lights to a Plug-In Adapter and to DC accessories. Sold individually.

Note: The female plug (DI-0710F) is not for use with the Sunspot Module Light.



Waterproof Male to Female Extension Cables

6" (item #DI-0757), Qty of 25 (item #DI-0757-25), Qty of 50 (item #DI-0757-50)
12" (item #DI-0758), Qty of 25 (item #DI-0758-25), Qty of 50 (item #DI-0758-50)
24" (item #DI-0759), Qty of 25 (item #DI-0759-25), Qty of 50 (item #DI-0759-50)
39" (item #DI-0709), Qty of 25 (item #DI-0709-25), Qty of 50 (item #DI-0709-50)
Connector Width: 0.3"

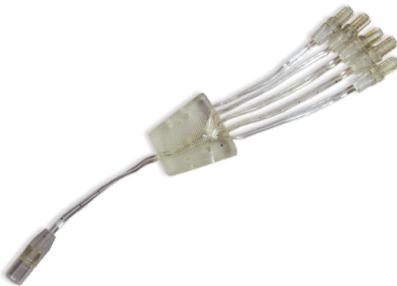
Creates an extension between single color Wet Location Strip Light sections, the SUNSPOT Module Light, SUNRISE and CASCADE Light Bars, and TRUE FOCUS Tube Lights.



Waterproof Solder Connector Pair

(item #DI-0725), Qty of 25 (item #DI-0725-25), Qty of 50 (item #DI-0725-50)
4.7" x 0.3"

Connects single color Wet Location Strip Light, the SUNSPOT Module Light, SUNRISE and CASCADE Light Bars, and TRUE FOCUS Tube Light to a Hard-Wired Driver. One pair is included with each spool or bar. Sold per pair.



Waterproof Splitter Cable

2-way (item #DI-0804)
3-way (item #DI-0805)
5-way (item #DI-0806)
8" x 1" x 0.3"

Connects several sections of single color Wet Location Strip Light, the SUNSPOT Module Light, SUNRISE and CASCADE Light Bars, and TRUE FOCUS Tube Lights to one power source.



Wet Location Strip Light Sealing Kit

(item #DI-0762), Qty of 25 (item #DI-0762-25), Qty of 50 (item #DI-0762-50)
caps: 0.9" x 0.2" x 0.2"

Includes 10 end caps (item #DI-0755) and one 1.5 oz. tube of sealant (item #DI-0756).



Wet Location Strip Light Mounting Clips

(item #DI-0754), Qty of 25 (item #DI-0754-25), Qty of 50 (item #DI-0754-50)
0.9" x 0.2" x 0.2"
Qty of 10 clips and 20 Phillips head screws.



TRUE FOCUS Tube Light Mounting Clips

(item #DI-0751), Qty of 25 (item #DI-0751-25), Qty of 50 (item #DI-0751-50)
0.9" x 0.9" x 0.4"
Qty of 10 clips and 10 Phillips head screws.



SUNRISE Light Bar Mounting Clips

(item #DI-0750), Qty of 25 (item #DI-0750-25), Qty of 50 (item #DI-0750)
0.6" x 0.5" x 0.4"
Qty of 10 clips and 10 Phillips head screws.



CASCADE Light Bar Mounting Clips

(item #DI-0752), Qty of 25 (item #DI-0752-25), Qty of 50 (item #DI-0752)
0.75" x 0.5" x 0.6"
Qty of 10 clips and 10 Phillips head screws.



Screwdriver Set

(item #DI-0779)
Perfect for installing any mounting clips, and for use with RGB color controllers.

Includes:

- #1 Philips head
- #0 Philips Head
- 1.2mm flat head
- 1.4mm flat head
- 1.8mm flat head
- 2.0mm flat head

Power Supply Accessories



Two Strand Wire per foot

- 18 gauge - white (DI-0770-F), per 250 ft. spool (DI-0770-S)
- 18 gauge - brown (DI-0771-F), per 250 ft. spool (DI-0771-S)
- 18 gauge - clear (DI-0772-F), per 250 ft. spool (DI-0772-S)
- 18 gauge - clear (DI-0773-F), per 250 ft. spool (DI-0773-S)
- 14 gauge - white (DI-0784-F), per 250 ft. spool (DI-0784-S)
- 16 gauge - white (DI-0785-F), per 250 ft. spool (DI-0785-S)
- 20 gauge - white (DI-0786-F), per 250 ft. spool (DI-0786-S)

This two-strand wire creates extensions between fixtures, and allows for parallel runs of non-waterproof strip lights. Available by the foot or by the 250 foot spool. For surface use or in-cabinet installations only (not rated for behind wall applications).



22/4 Wire

per foot (item #DI-0769-F)
0.4" x 0.1"

This four-strand, 22 gauge wire creates extensions between color-changing fixtures, and allows for parallel runs of non-waterproof SPECTRUM RGB Strip Light. Available by the foot.



AC Power Cable

(item #DI-0753) 56"
Connects a Hard-Wired Non-Dimmable Driver or a Hard-Wired Dimmable Driver to a wall outlet.



4-Way Hard-Wire Terminal Block

(item #DI-0782)
2.5" x 1.25" x 0.9"

This 4 way terminal has a paired connection circuit. Recommended for RGB color changing configurations.



8-Way Hard-Wire Terminal Blocks

(item #DI-0783)
4.75" x 1.3" x 0.9"

The 8 way junction has common polarity for each side. Recommended for multiple output lighting.

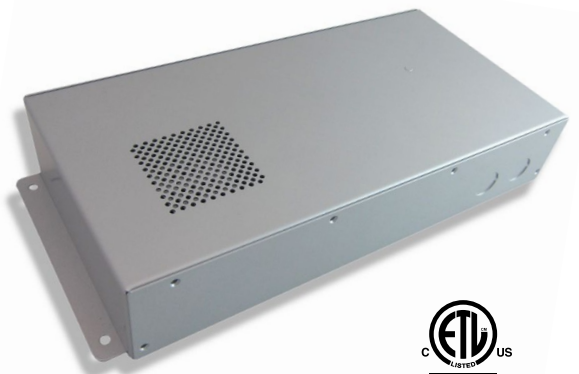


Accessory Variety Pack

(item #DI-0780) dimensions variable

This variety pack of accessories is the perfect assortment of the most often needed accessories for most LED lighting configurations. With this fix-it kit, you'll have extras of that component on hand when you need it most.

Accessory	Item #	Quantity
Strip Light Splice Connector- Fluid View	DI-0732	10
Strip-to-Strip Connector- Fluid View	DI-0701	10
Strip Light Bending Extension- Fluid View	DI-0722	10
Strip Light Splice Connector- Ultra Blaze	DI-0735	10
Strip-to-Strip Connector- Ultra Blaze	DI-0740	10
Strip Light Bending Extension- Ultra Blaze	DI-0722	10
DC Wire Plug - Female	DI-0713F	5
DC Wire Plug - Male	DI-0713M	5
Strip Light DC Plug Connector- Fluid View	DI-0700	10
Strip Light DC Plug Connector- Ultra Blaze	DI-0721	10
Waterproof Plug to DC Adapter Connector	DI-0710	10
Waterproof Solder Connector Pair	DI-0725	10
Wet Location Strip Light Sealing Kit	DI-0762	1
RGB Strip Light EZ Connector with exposed lead wires	DI-0702	5
Wet Location Strip Light Mounting Clips	DI-0754	20
SUNRISE Light Bar Mounting Clips	DI-0750	10
CASCADE Light Bar Mounting Clips	DI-0752	10
TRUE FOCUS Tube Light Mounting Clips	DI-0751	10



Meanwell Junction Box

(item #DI-0940) 15.5" x 6.5" x 2.6"

The Meanwell Junction Box house these Non-Dimmable Hard-Wired Drivers: 200 Watt (item #DI-0909), 300 Watt (item #DI-0928), and 600 Watt (item #DI-0929).

NEMA 1 steel enclosure
ETL Listed to UL STD 508A

LED Installation Tips

Some things to consider when configuring your LED lighting solution.

12-24V Power

All of Diode LED's products are 12V or 24V DC, while standard household electricity is 120V AC. Our power supplies convert 120V AC power to 12V-24V DC power. We have four types of power supplies: **Hard-Wired Non-Dimmable Drivers**, **Hard-Wired Dimmable Drivers**, **Plug-In Adapters**, and **Portable Battery Packs**. (See pages 72-78.)

Dimming

All of Diode LED's lights are dimmable, except for the SUNSPOT Module Light. Dimming LED lights can be achieved in three ways:

- 1) Connect our Inline Dimmer Switch (p. 74) between the LED light and a Plug-In Adapter or Hard-Wired *Non-Dimmable* Driver.
- 2) Connect a Hard-Wired Dimmable Driver (p. 75) between the LED light and a 120V AC magnetic low voltage dimmer switch.
- 3) Connect our REIGN 12V/24V Dimmer Switch (p. 73) between the LED light and a Hard-Wired *Non-Dimmable* Driver. The Reign switch fits into a standard wall outlet.

Wet Location

Each of our wet location products have an IP Rating, which describes the level of "ingress protection" of solid particles and liquids. Waterproof lights are for outdoor, wet location use, but **not recommended as submersible**. Our wet location products are not recommended for use in or around treated, chlorinated or salt water.

Style

The LED industry is fast-paced and expanding rapidly. LED products are continuously being improved upon in ever-shortening manufacturing cycles. LED color and product appearance can change from order to order. Please note that variation in color temperature is commonly +/- 250k and brightness is +/- 10%. Diode LED cannot guarantee to match existing installed product for subsequent orders or replace the product exactly to match the product you are replacing in product appearance, color, or brightness. Specifications are subject to change without notice.

Voltage Drop

"Voltage drop" is a gradual lessening of power through a wire over a long distance. The farther the light is from the power source, the more voltage drop will occur. Voltage drop becomes a significant factor in any LED light application when the distance between the lights and the power source is greater than 20 feet.

To minimize voltage drop, you can use a thicker gauge wire; use multiple smaller power sources throughout a large installation; or extend the wiring between 120V power and the 12V or 24V driver, rather than between the 12V-24V driver and the light. For more tips, see page 79 or visit the Tools & Resources section on www.DiodeLED.com.

Working with RGB

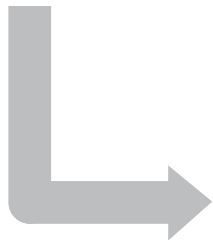
In order to take advantage of the full color capabilities of our SPEC-TRUM and DAZZLE High Output RGB Strip Lights, SPLASH Series RGB Wall Washers, TRUE FOCUS RGB Tube Lights, and CASCADE Wet Location RGB Light Bars, all of our color-changing products need an RGB Color Controller. If you're creating an installation with RGB strip light longer than 16 feet, you'll need an RGB Signal Amplifier to amplify the color controlling signal and the power for every 16 foot section.

How to Order

Although not all LED fixtures screw in like a traditional light bulb, shopping for LEDs is pretty easy. After choosing the right type of LED product for your application, you just need to choose a 12V or 24V power source for converting household AC power to the 12V-24V DC of our fixtures. Lastly, find the right connectors and accessories that work with your unique configuration.

1 Select LED Lights

- **Style:** Select the appropriate light or combination of lights from our product families.
- **Size:** How many feet of strip light or number of fixtures do you need?
- **Color:** Do you need a warm white (2700k to 3500k) to match warm colors or wood finishes? Or do you need a cool white (5000k to 6500k) for modern decor application, or to showcase items in a display?
- **Brightness:** Do you need a low to standard level of brightness for accent or ambient lighting? Or do you need a high level for task or workspace lighting?



2 Select Power Supply

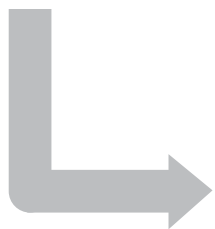
There are four different types of 12V-24V power supplies (transformers) to choose from:

- **Hard-Wired Non-Dimmable Drivers** are a good solution for large or permanent installations (page 72).
- **Plug-In Adapters** are easy to install yourself and less labor-intensive (page 74).
- **Hard-Wired Dimmable Drivers:** Most of our lights are dimmable, and a dimmable driver both powers them and allows them to be dimmed (page 76).
- **Portable 12V Battery Packs** provide power when a wall outlet is not available.

How to select the proper size Power Supply:

- If you're installing strip lighting, just multiply the wattage by the number of feet. (The wattage is found in the Tech Specs table.)
- For everything else, multiply the number of fixtures by the wattage.

For maximum performance, Diode LED recommends that you only load your power supply between **50% and 80%** of the total wattage capacity rating.



3 Select Accessories

Accessories that are specifically used with any particular product family are identified with that product.

- **Connectors:** Most of our products require a connector between the light and power source. What connector you use depends on whether your source is an adapter or driver. Appropriate connectors are listed on product pages.
- **Extension cables:** Do you need extension cables between your fixtures?
- **Switches:** Do you want a dimmer or on/off switch for your lights?
- **Splitters:** Are you powering several fixtures with one power supply?

Fixture Comparison Chart

Our strips and light bars all differ in the features they offer. Some connect seamlessly; some can be cut to a custom length; some are waterproof. Here is a chart that shows how they differ in brightness and power consumption as compared to each other. A higher “Lumens per Watt” number indicates a greater efficiency as far as how much brightness a fixture puts out based on the power it consumes. (Please note that variation in color temperature is commonly +/- 250k and in brightness is +/- 10%.)

tem #	Page	Product Name	Length	Power	Color	Lumens	Lumens per Watt	Wet Location
DI-0080	8-9	EMBER Ambient Strip Light	12”	0.72W	WW	58	80.5	No
DI-0081	8-9	EMBER Ambient Strip Light	12”	0.72W	CW	58	80.5	No
DI-0001	10-11	FLUID VIEW Strip Light	12”	1.44W	WW	115	80	No
DI-0002	10-11	FLUID VIEW Strip Light	12”	1.44W	CW	115	80	No
DI-0051	26-27	FLUID VIEW Wet Location Strip Light	12”	1.44W	WW	115	80	Yes
DI-0052	26-27	FLUID VIEW Wet Location Strip Light	12”	1.44W	CW	115	80	Yes
DI-0025	12-13	SIDEWINDER Vertical Strip Light	12”	1.44W	WW	90	62.5	No
DI-0026	12-13	SIDEWINDER Vertical Strip Light	12”	1.44W	CW	90	62.5	No
DI-0090	14-15	BLAZE High Output Strip Light	12”	2.9W	WW	240	83	No
DI-0091	14-15	BLAZE High Output Strip Light	12”	2.9W	CW	240	83	No
DI-0094	16-17	ULTRA BLAZE 12V High Output Strip Light	12”	4.4W	CW	360	82	No
DI-0095	16-17	ULTRA BLAZE 12V High Output Strip Light	12”	4.4W	WW	360	82	No
DI-0160	28-29	BLAZE Wet Location High Output Strip Light	12”	2.9W	WW	240	83	Yes
DI-0161	28-29	BLAZE Wet Location High Output Strip Light	12”	2.9W	CW	240	83	Yes
DI-0120	16-17	ULTRA BLAZE 24V High Output Strip Light	12”	4.4W	WW	360	82	No
DI-0121	16-17	ULTRA BLAZE 24V High Output Strip Light	12”	4.4W	CW	360	82	No
DI-1101	20-21	K-Range Tunable Color Strip Light	12”	2.2W	WW	162-189	74-86	No
DI-1106	20-21	K-Range High Density Tunable Color Strip Light	12”	5.8W	CW	432-504	75-87	No
DI-0211	54-55	SUNRISE Light Bar	12.25”	1.44W	WW	117	81.2	Yes
DI-0212	54-55	SUNRISE Light Bar	12.25”	1.44W	CW	117	81.2	Yes
DI-0220	56-57	CASCADE Light Bar	12”	3.6W	WW	310	86	Yes
DI-0221	56-57	CASCADE Light Bar	12”	3.6W	CW	310	86	Yes
DI-0250	58-59	TRUE FOCUS LED Tube Light	13”	2.16W	WW	180	83	No
DI-0251	58-59	TRUE FOCUS LED Tube Light	13”	2.16W	CW	180	83	No
DI-1262	60-61	ARRAY 24V Linkable Light Bar	11.8”	3.3W	WW	190	57	No
DI-1263	60-61	ARRAY 24V Linkable Light Bar	11.8”	3.3W	CW	220	66	No
DI-1291	60-61	ARRAY 24V Linkable Light Bar	11.8”	3.3W	NW	220	66	No
DI-0332	64-65	CAST Puck Light	2.75”	3.6W	WW	240	66	No
DI-0333	64-65	CAST Puck Light	2.75”	3.6W	CW	270	75	No
DI-1440	64-65	SUNSPOT Module Light	1.55”	3W	WW	80	26	Yes
DI-1441	64-65	SUNSPOT Module Light	1.55”	3W	CW	98	32	Yes

Help!

Help is always on the way at www.DiodeLED.com. Visit our web site for videos, tutorials, expanded FAQs, and wiring diagrams. During business hours, you can also have your questions answered via live chat or by calling us toll free at 1.877.817.6028.

The Benefits of LEDs

There are many reasons to choose LED lighting options, including personal preference, environmental responsibility, design elements, energy savings, and value. LEDs provide some of the following benefits:

Lifetime LED lights can last from 30,000 – 75,000 hours (50,000 hours is the average) depending upon the quality, durability and use of the fixtures. With an average use of 6.5 hours per day, this can amount to over 21 years of life!

Energy-Efficient LED lights are the most efficient lights on the market. LEDs use 1/3rd to 1/30th of the energy typically used with halogen and fluorescent lights.

Durable LED lights are shockproof and will endure jarring and bumping, unlike their glass and filament counterparts.

Cool In contrast to most light sources, LED lights emit very little heat in the form of infrared (IR) radiation, which can damage sensitive objects or fabrics. Waste energy is dispersed as heat through the base of the LED, rather than into the air.

Mercury-Free Unlike Compact Fluorescent Lights, LED lights contain no toxic components and are largely recyclable. And because they use less electricity than CFLs, less mercury is released into the environment from power plants.

Cost-Effective Although there is often a larger up-front cost, LED lights save money over their lifetime in energy, maintenance and replacement cost, sometimes in just the first year of use.

Healthy LED lights do not flicker, charge, emit ultraviolet (UV) radiation, hum or buzz.

Safe LED lights are 12V or 24V DC low voltage lights and so they do not have the danger of shock like high voltage AC lighting.

On/Off Time LED lights have the fastest on/off response of non-incandescent lighting, with no charge time.

Focus The solid package of the LED can be designed to focus its light. Incandescent and fluorescent sources often require an external reflector to collect and direct light.

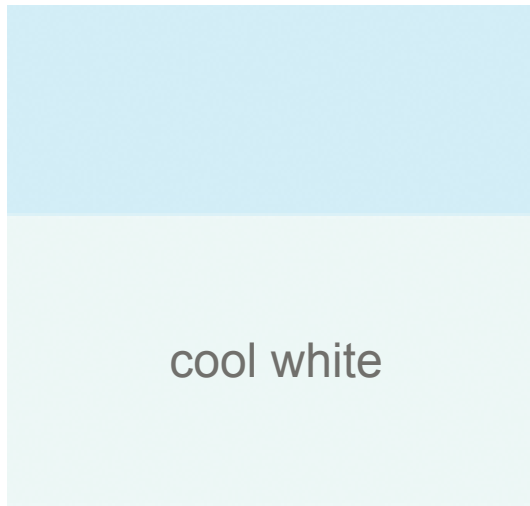
Cycling LEDs are ideal for use in applications that are subject to frequent on-off cycling, unlike fluorescent lamps that burn out more quickly when cycled frequently, or HID lamps that require a long time before restarting.

Size LED lights fit into much smaller housings and fixtures than traditional lighting.

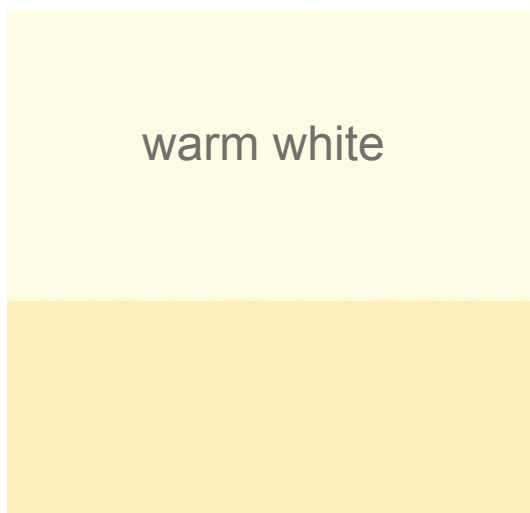
Indirect Lighting Smaller applications allow many options for indirect light, which reduces eye strain and creates an evenly-lit, harmonious environment.

LED Color Temperature

The color temperature of a light fixture is a measurement of the amount of yellow or blue in the white light that it produces, since all light falls somewhere on the scale shown below. This measurement is expressed in kelvins; a higher kelvin number means the light is cooler/more blue, and a lower number means that it's warmer/more yellow.



neutral white



6500



6000



5000

4000



3500

3000

2500



GLOSSARY

Watt:	The unit of measure for the electricity consumed by a light fixture. Abbreviated as “W”.
Lumen:	The unit of measure for the brightness of a light, representing the amount of light emitted. Abbreviated as “lm”.
Kelvin:	The unit of measure describing the color temperature of a white light, that is, where the hue of a light falls on the color spectrum. A higher number indicates a cooler light closer to blue, while a low number indicates a warmer, or more yellow, temperature.
RGB:	“Red Green Blue”. Full color LED fixtures use combinations of these three basic colors to produce up to a million colors in Spectrum fixtures.
Color Temperature:	A term describing where the hue of a white light falls on the color spectrum. If a light is on the yellow end, it might be called “warm white,” or “cool white” if it’s more blue. The unit of measure for the color temperature of white light is the “kelvin”.
Nanometer: (nm)	The unit of measure for where colors other than white fall on the spectrum. Abbreviated as “nm”.
IP Rating:	“Ingress Protection”. An IP rating has two numbers: the first stands for the protection against solid objects, and ranges from 0 to 6. The second number for, protection against liquid, ranges from 0 to 9. The highest IP rating is IP69, and it tells you that the protection against solid objects is a 6, and the protection against liquid is an 9.
SMD:	“Surface mount device”. A type of LED bulb placement.
Luminous Efficacy:	Describes how many lumens of brightness is put out for each Watt of power drawn. In our Fixture Comparison Chart (p. 86), this is described as “Lumens per Watt.”
CRI:	“Color rendering index”. A numerical measure of a light source’s ability to reproduce the colors of various objects faithfully in comparison with a natural light source.
RoHS:	“Restriction of Hazardous Materials,” a certification that ensures that no toxic materials were used in the production of Diode’s fixtures.
ETL:	“Edison Testing Laboratory”. The ETL mark shows that a product meets the minimum requirements of widely-accepted product safety standards, determined through the independent testing of a Nationally Recognized Testing Laboratory.
UL:	“Underwriters’ Laboratory”. The phrase “UL Listed” denotes that a manufacturer has produced a product that complies with UL requirements with respect to reasonably foreseeable risks associated with the product.
RU:	Signifies that a product features a “UL Recognized Component”.
CE:	“European Community”. Certifies that a product has met European Union consumer safety, health, or environmental requirements.

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