



LED STRIP LIGHT

CATALOG

WHO WE ARE



WE ARE HERE TO HELP!

We're an inspired and insatiably curious group of lighting nerds from a variety of industries and walks of life who simply love giving great service. In addition to working side by side, we've all become great friends.

Needless to say, we sell light! Since 2010, we have specialized in manufacturing and perfecting a niche product that is used to create beautiful interior and exterior lighting experiences. We offer some of the highest quality LED strip lights on the planet. We don't just sell a light strip though, we sell the full functional potential of lighting done right.

We understand the primordial connection between humanity and lighting. Beautiful lighting affects emotion. We will help you create your project's desired emotion - whether it is comfort, security, inspiration, love, excitement, focus, calm, etc.

Did I mention we love customer service? We promise to educate, not sell. We take in every client's project as if it was our own. We believe in doing things right from our product's first solder point to ensuring a smile on your face when your project is complete and finally 'comes to light'.

Thank you for your trust in Flexfire LEDs. We won't let you down.

Brent Mauriello, CEO
Flexfire LEDs

INTRODUCTION

Flexfire LEDs is the world leader in quality LED lighting solutions that are brilliantly bright and predictably durable, having pushed the boundaries of the available technology to create interior and exterior lighting experiences that are beautiful and unique. We are committed to promoting the diffusion of LED technology on the global market through education and personal customer service.

Verified quality and durability

Flexfire products are consistently built to last. Our LEDs are tested to be among the brightest available and assembled reliably with quality top components. We set the highest standard for color consistency, longevity, and years of durable life.

Industry-leading educational resources and personnel

You no longer have to be confused by the complexity of LED technology. We're dedicated to spreading the word about the impact, utility and flexibility of LED lighting. In addition to holding ourselves to high standards, we participate in several industry organizations which set and maintain standards of safety and quality.

End-to-end dedication to customers and their projects

Whether you are a contractor or homeowner, architect or electrician: let us be your consultants. We have extensive experience and rally around the success of every project. Tell us about your LED lighting project and we'll tell you the most effective way to realize it.

INDEX

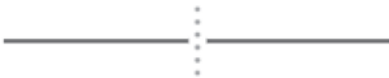
• What are LED strip lights?	04
• Inspire: What can LED strips do?	05
• Create: How to design LED strip light projects?	06
• A Little About Light	07
• Single Color LED Strips	08
• ColorBright™ Vivid Color Series	11
• Outline Series™	12
• Accent Series™	13
• Slim Series™	14
• Architectural Series™	15
• Render Series™	16
• Industrial Series™ CRI 80+	17
• Industrial Series™ CRI 90+	18
• Comparison Chart for Single Color LED Strips	19
• Color Changing LED Strips	22
• ColorBright™ RGB 150 Series	24
• ColorBright™ RGB 300 Series	25
• ColorBright™ RGBW Series	26
• Comparison Chart for Color Changing LED Strips	27
• Dynamic Tunable White LED Strips	28
• ColorBright™ Dynamic Tunable White Series	30
• Architectural Dynamic Tunable White Series™	31
• Comparison Chart for Dynamic Tunable White LED Strips	32

WHAT ARE LED STRIP LIGHTS?

An LED strip light is a flexible circuit board that is populated with LEDs. It has a strong adhesive backing and can easily be stuck to most surfaces. The strip can be utilized almost anywhere in order to add powerful lighting in a variety of colors and brightnesses.



Cut to Length



Most strips can be cut every few inches, meaning you can easily customize the strip to fit your space.

Flexible



You aren't limited to lighting flat spaces. LED strips are flexible and can be bent vertically up to 90 degrees.

Low Profile



Most strips have a thickness of 1/16" (2mm) so they may be installed in tight spaces and can easily be hidden from view.

Color Options



Select from a variety of single colors and color changing options.

Added Protection



IP65 or IP68 protection can be added to make the strips weather and water resistant.

Fully Dimmable



Our LEDs are dimmable and compatible with a variety of home automation systems, wall and remote dimmers. You have complete control over your LEDs.

up to
15 year
Warranty



30 DAY
money back
Guarantee

Peel & Stick



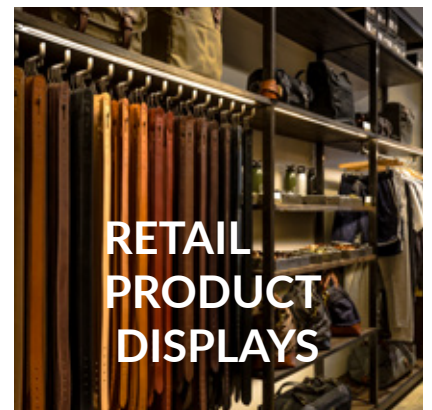
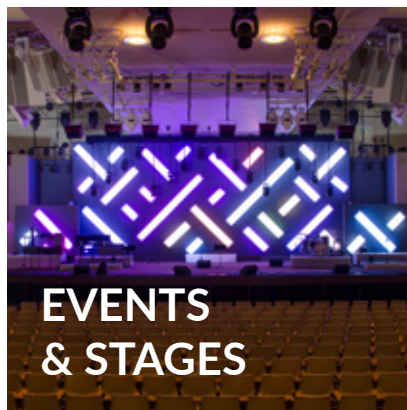
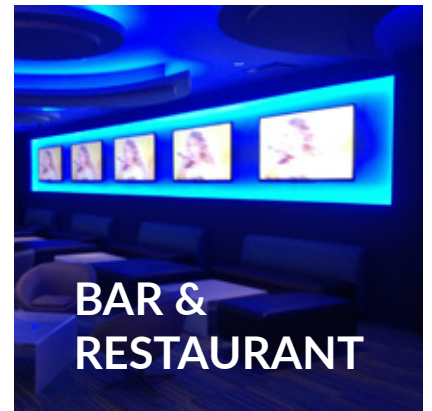
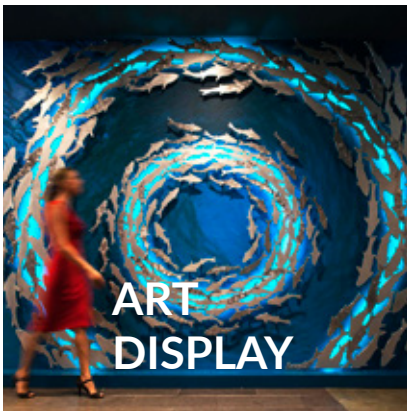
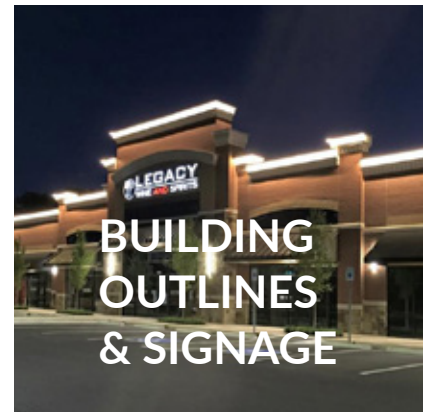
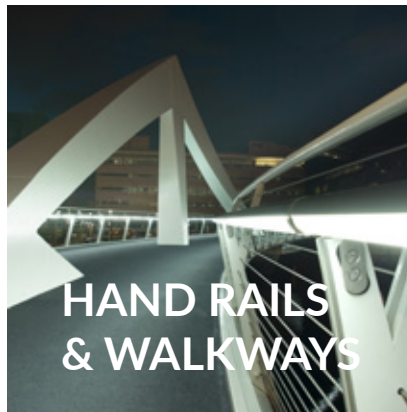
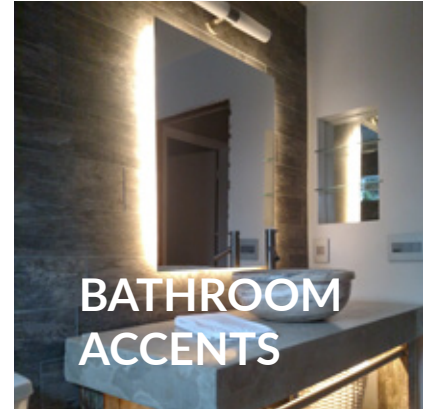
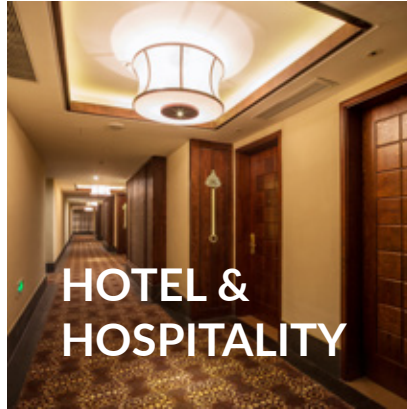
The back of the strip is fitted with a strong 3M brand adhesive tape, allowing you to peel and stick lights to many different surfaces.

Customizable



We are able to customize specialty strips for your project to include custom colors, lengths, CRI, width, voltage, brightness, and more. Contact us!

INSPIRE

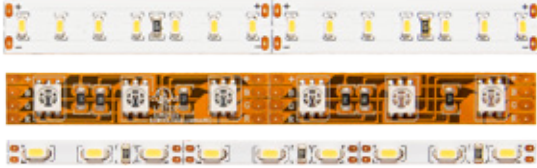


CREATE

How to Select Your Lighting System?

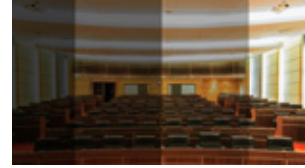
LED strip lights are not “one size fits all” lighting solutions. Our strip lights are highly adaptable and customizable to fit the precise needs of your project. Follow the steps below to easily design your lighting system.

1. Choose Output Style



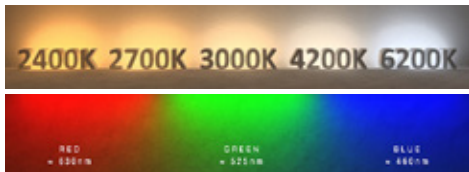
Choose from monochromatic (single color), RGB Color Changing, or Tunable Dynamic White outputs. Which style best suits your project?

2. Choose Desired Brightness



Choose the level of brightness needed for your project. Our lights are extremely bright and fully dimmable.

3. Color Options



Choose which color(s) or shade of white you will enjoy the most for your project.

4. Dimming & Control Options



Complete control of your space. On and off aren't the only options. LED strips are fully dimmable and can be controlled remotely.

5. Powering your Lights



After you have chosen your output type, length, and dimmer, you can choose your power supply. Not sure? We're here to help you with this.

6. Added Protection



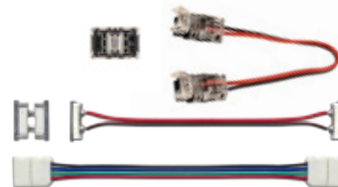
Will these be exposed to the elements? Protection can be added to protect lights from exposure to water, dust and debris.

7. Aluminum Mounting Extrusions



Choose an optional aluminum channel to house your strip lights. Dramatically increase design possibilities using extrusions.

8. Connecting your Lights

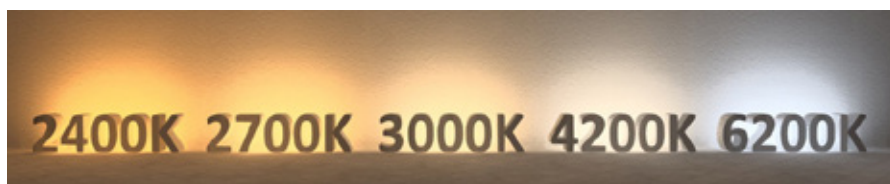


While soldering is the best option for connecting strips, we have a variety of connectors available both to connect different strips to each other and to connect strips to power supplies.

A LITTLE ABOUT LIGHT

Correlated Color Temperature [CCT]

Not all white light appears the same. Correlated Color temperature (CCT) defines the color appearance of a white light. CCT is defined in degrees Kelvin. Most white lights fall in a spectrum between 1800K and 6500K. When falling below 3000K, the light looks noticeably warmer like a candle. On the other end of the spectrum, the lights have a blue-ish tint and cooler tone when passing above 6500K. Some color temperatures will better suit your design than others. Choose complementary highlighting tones and look at example photos to find which you feel will look the best.



White Examples

Lumen [Brightness]

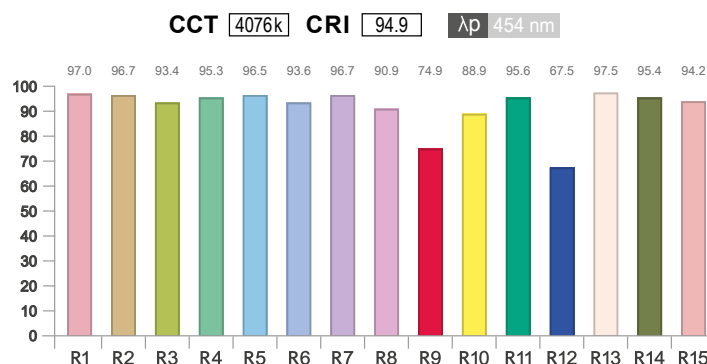
Lumen is the measurement of brightness as perceived to the human eye. Because of incandescent lighting, we are all accustomed to using watts to measure the brightness of light. Today, we use lumen. Lumen is the most important variable when choosing your strip light. The higher the number, the brighter the light will be. Ensure that the strips you choose are bright enough for your application's intention.



CRI - Color Rendering Index

The Color Rendering Index (CRI), also known by some as color accuracy, is a term of measurement of how natural the light given off by a source looks in comparison to the sun. Have you ever purchased a red towel or dress in the store and when you try it on at home or wear it outside in the sun it looks different? This is because the CRI is different between the two light sources. High CRI LEDs will show an object's true pure and vibrant color.

The highest CRI is 100 (like the sun). Great CRI is measured above 80 while excellent CRI measures over 90. Our High CRI strips have a minimum 94 CRI and have been measured up to 98 while all of our other white strip lights have a CRI of over 80



STATIC WHITE AND SINGLE COLOR LED STRIPS



SINGLE COLOR LED STRIPS

ColorBright™ Vivid Color Series

Lumen Output: Up to 263 lm/ft (862/m)

Power: 2.9 W/ft (9.6 W/m)

Colors: Green, Red, Blue, Amber, Ultraviolet (UV)



ColorBright™ Vivid Color strips are the perfect way to add a flood of accenting color to nearly any space.

Outline Series™

Lumen Output: Up to 125 lm/ft (411/m)

Power: 1.5 W/ft (4.8 W/m)

Colors: 2700K, 3000K, 3500K, 4000K, 5000K



The Outline Series™ is specifically designed to create extremely long runs of elegant, energy-efficient lighting. Perfect for accent and ambient lighting with near-perfect color rendering.

Accent Series™

Lumen Output: Up to 266 lm/ft (874/m)

Power: 3.5 W/ft (11.5 W/m)

Colors: 2700K, 3000K, 3500K, 4000K, 5000K



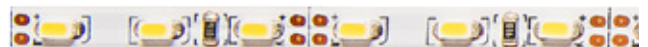
The Accent Series™ is a perfect blend of innovative design with practical functionality that guarantees sophisticated lighting made for beautiful accent and ambient lighting. Our new favorite strip!

Slim Series™

Lumen Output: Up to 366 lm/ft (1200/m)

Power: 4.4 W/ft (14.4 W/m)

Colors: 2400K, 2700K, 3000K, 4200K, 6200K



Some spaces are too narrow to accommodate standard width strip lights. The Slim Series™ is ultra-thin (1/8" wide) allowing you to add blazingly bright light to even more spaces.

Architectural Series™

Lumen Output: Up to 503 lm/ft (1636/m)

Power: 4.4 W/ft (14.4 W/m)

Colors: 2400K, 2700K, 3000K, 3500K, 4000K, 5000K



The Architectural Series™ is boldly built with the market's leading components to create an incredibly bright strip with excellent color rendering and long run lengths. Meets the high standards of architectural design and complex lighting projects.

Render Series™

Lumen Output: Up to 870 lm/ft (2852/m)

Power: 6.6 W/ft (21.6 W/m)

Colors: 3000K, 3500K, 4000K, 5200K



The Render Series™ is designed with a very high output up to 870 lm/ft and spectacularly high CRI, TLCI, R9 and R13 values. Perfect for professional-grade studio lighting and high-level accent lighting for film, photography, fashion, art, and more.

Industrial Series™ CRI 80+

Lumen Output: Up to 1156 lm/ft (3793/m)

Power: 6.6 W/ft (21.6 W/m)

Colors: 3000K, 3500K, 4000K, 5000K, 6200K



The Industrial Series™ CRI 80+ is one of the brightest strips on the market, emitting a staggering 1,156 lm/ft while sustaining a high color rendering index. Best suited for industrial and architectural design applications, along with custom OEM solutions.

Industrial Series™ CRI 90+

Lumen Output: Up to 972 lm/ft (3187/m)

Power: 6.6 W/ft (21.6 W/m)

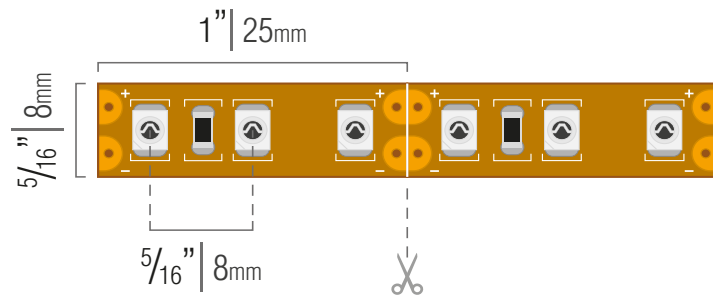
Colors: 3000K, 3500K, 4000K, 5000K, 6200K



The Industrial Series™ CRI 90+ is designed with an output up to 972 lm/ft, CRI up to 96, and can be used to comply with Title 24 JA8. Made to satisfy our high-end clients, This strip meets the gold standard of top-quality lighting.

ColorBright™ Vivid Color Series

ColorBright™ Vivid Color LED strip lights are the perfect way to add a flood of accenting color to any space. Colors available in this series are red, green, blue, amber, and ultraviolet (UV). This series is perfect for any application that requires a densely packed beam of colored light!



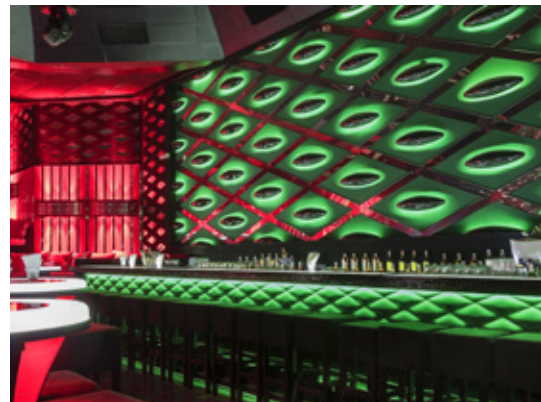
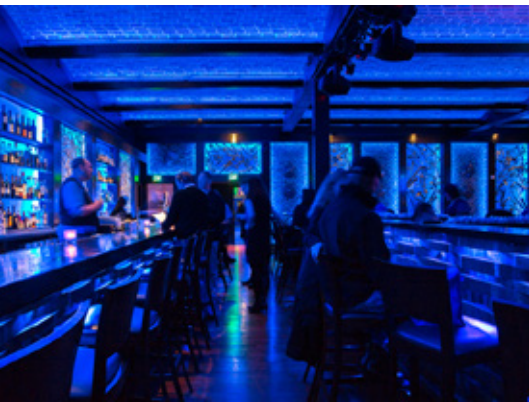
Features

- Available in Green, Red, Blue, Amber, Ultraviolet (UV)
- Fully Dimmable
- 120° Beam Angle
- Efficiency up to 91 lm/W
- Highest quality 3528 SMD LEDs
- 3M VHB 4930 adhesive backing for a long lasting bond
- Single BIN LED selection to ensure color consistency (3-Step MacAdam)
- Maximum Length in Series 32ft 10in (10m)
- 12V DC Input (24V special order)
- Can be cut every 1" (25.4mm)
- Thick double layer 2oz copper PCB for excellent thermal management
- Short LED pitch of 5/16" (8mm)



Specifications

Product SKU	Color (CCT)	Wavelength (nm)	Watts / foot (Meter)	Lumen / foot (Meter)	Luminous efficacy (Lumens / Watt)
CB-G	Green	515 - 525 nm	2.9 W/ft (9.6 W/m)	134 lm/ft (440 lm/m)	46 lm/W
CB-R	Red	615 - 630 nm	2.9 W/ft (9.6 W/m)	91 lm/ft (300 lm/m)	31 lm/W
CB-B	Blue	465 - 475 nm	2.9 W/ft (9.6 W/m)	55 lm/ft (180 lm/m)	19 lm/W
CB-AM	Amber	575 nm (1600 - 1800K)	2.9 W/ft (9.6 W/m)	263 lm/ft (862 lm/m)	91 lm/W
CB-UV	Purple	399 nm	2.9 W/ft (9.6 W/m)	263 lm/ft (862 lm/m)	91 lm/W

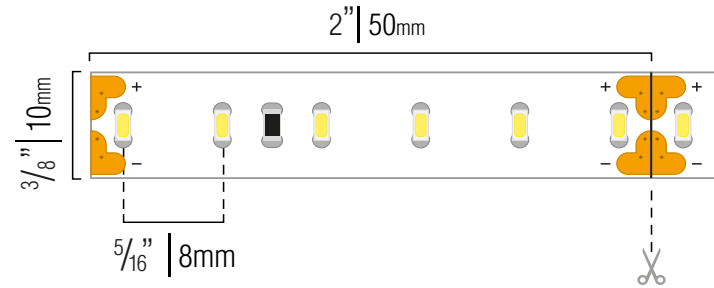


Outline Series™

Less is more with our Outline Series™. Specifically designed for light designers, architects, and specifiers, the Outline Series is a low-output strip that creates extremely long runs of elegant, energy-efficient lighting. Perfect for accent and ambient lighting with near-perfect color rendering.

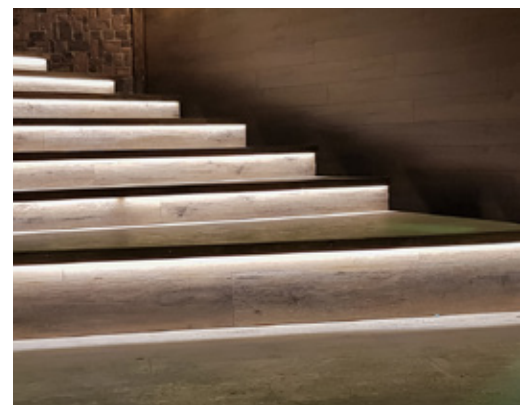
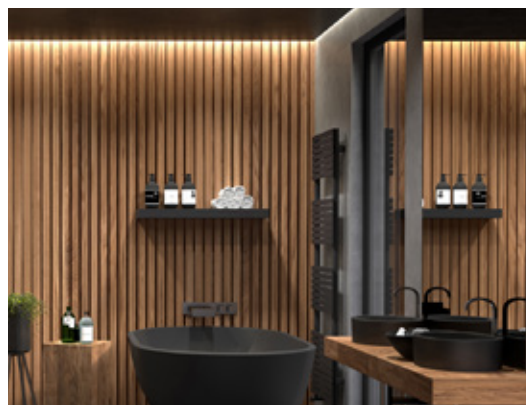
Features

- High CRI up to 98
- High TLCI up to 99
- Low energy consumption of 1.5 Watts/ft
- Low output up to 125 lm/ft (411 lm/m)
- Maximum run length 24V: 82ft (25m), 48V: 131ft (40m)
- Available in 24V or 48V input
- Fully dimmable
- Can be used to comply with Title 24 JA8 (for CCTs up to 4000K)
- Newly-designed solder pads for effortless soldering
- Thermally resistant 3M VHB 4930 adhesive for long-lasting bond
- Thick 4oz pure copper PCB for excellent thermal management
- 50,000 hour lifespan (8 hours/day for 17 years)
- 15-year warranty
- UL Listed (cULus) E362522



Specifications

Product SKU	Color (CCT)	Watts / foot (Meter)	Lumen / foot (Meter)	Luminous efficacy (Lumens / Watt)	CRI	Gamut Score Rg (Color Sat.)	Relative Fidelity Score (RF)	TLCI (Qa)	CQS
UB-OL-24K97C (special order only)	2400K	1.5 W/ft 4.8 W/m	98 lm/ft (320 lm/m)	65 lm/W	97	104	96	98	97
UB-OL-27K97C	2700K	1.5 W/ft 4.8 W/m	97 lm/ft (318 lm/m)	65 lm/W	97	102	96	99	97
UB-OL-30K97C	3000K	1.5 W/ft 4.8 W/m	100 lm/ft (328 lm/m)	67 lm/W	97	104	96	99	98
UB-OL-35K97C	3500K	1.5 W/ft 4.8 W/m	116 lm/ft (379 lm/m)	77 lm/W	98	103	96	99	98
UB-OL-40K95C	4000K	1.5 W/ft 4.8 W/m	111 lm/ft (363 lm/m)	74 lm/W	95	103	94	98	97
UB-OL-50K95C	5000K	1.5 W/ft 4.8 W/m	125 lm/ft (411 lm/m)	84 lm/W	95	101	94	99	98



Accent Series™

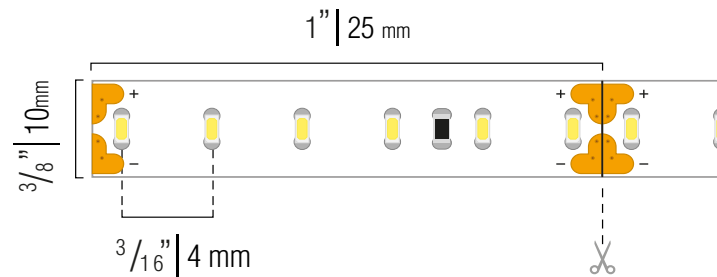
Our Accent Series™ is the perfect choice for homeowners and contractors wanting to uplift and revitalize any room - small or big. Combining beautiful design with practical functionality, these sophisticated lights boast an exceptionally high CRI up to 98, very short LED pitch, and have the shortest cut lines. Whether you want to brighten corners, beautify ceilings, or fabricate depth and dimension, the Accent Series is made to truly reinvent your space.

Features

- High CRI up to 98
- High TLCI up to 99
- High efficiency of 3.5 Watts/ft
- Medium output of 266 lm/ft (874 lm/m)
- Maximum run length 12V: 32ft (10m), 24V: 39ft (12m), 48V: 65ft (20m)
- Fully dimmable
- Can be used to comply with Title 24 JA8 (for CCTs up to 4000K)
- Newly-designed solder pads for effortless soldering
- Thermally resistant 3M VHB 4930 adhesive for long-lasting bond
- Thick 4 oz pure copper PCB for excellent thermal management
- 50,000 hour lifespan (8 hours/day for 17 years)
- 15-year warranty
- UL Listed (cULus) E362522

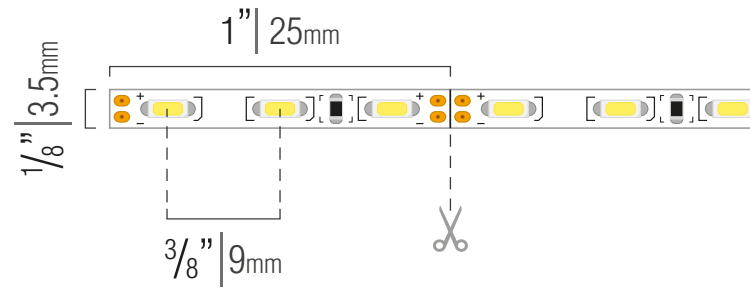
Specifications

Product SKU	Color (CCT)	Watts / foot (Meter)	Lumen / foot (Meter)	Luminous efficacy (Lumens / Watt)	CRI	Gamut Score Rg (Color Sat.)	Relative Fidelity Score (RF)	TLCI (Qa)	CQS
UB-AT1-24K97C (special order only)	2400K	3.5 W/ft 11.5 W/m	210 lm/ft (689 lm/m)	60 lm/W	98	104	96	98	97
UB-AT1-27K97C	2700K	3.5 W/ft 11.5 W/m	223 lm/ft (731 lm/m)	64 lm/W	97	101	96	99	97
UB-AT1-30K97C	3000K	3.5 W/ft 11.5 W/m	226 lm/ft (742 lm/m)	65 lm/W	97	101	96	99	98
UB-AT1-35K97C	3500K	3.5 W/ft 11.5 W/m	252 lm/ft (828 lm/m)	72 lm/W	98	103	93	99	98
UB-AT1-40K95C	4000K	3.5 W/ft 11.5 W/m	259 lm/ft (848 lm/m)	74 lm/W	95	101	96	98	97
UB-AT1-50K95C	5000K	3.5 W/ft 11.5 W/m	266 lm/ft (874 lm/m)	76 lm/W	95	103	96	99	98



Slim Series™

Some spaces are too narrow to accommodate standard width strip lights. With a width of only 1/8", the Slim Series™ is ultra-thin allowing you to add light to even more spaces. It is one of the thinnest LED strip lights on the market. These strips can easily be hidden from view and are great for providing elegant, discreet lighting.



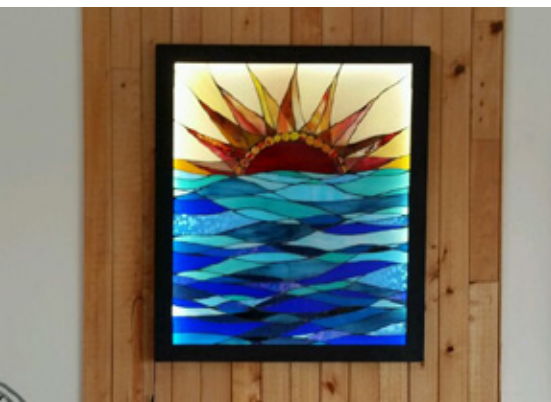
Features

- High CRI of 80+
- Fully Dimmable
- 120° Beam Angle
- Efficiency up to 83 lm/W
- High quality 3014 SMD LEDs
- 3M VHB 4930 adhesive backing for a long lasting bond
- Single BIN LED selection to ensure color consistency (3-Step MacAdam)
- Maximum Length in Series 9ft 10in (3m)
- 12V DC Input (24V special order)
- Can be cut every 1" (25.4mm)
- Thick double layer 2oz copper PCB for excellent thermal management
- Short LED pitch of 3/8" (9mm)



Specifications

Product SKU	Color (CCT)	Watts / foot (Meter)	Lumen / foot (Meter)	Luminous efficacy (Lumens / Watt)	CRI	Gamut Score Rg (Color Sat.)	Relative Fidelity Score (RF)
UB-SS-24K	2400K	4.4 W/ft 14.4 W/m	340 lm/ft (1,115 lm/m)	77 lm/W	84	92	83
UB-SS-27K	2700K	4.4 W/ft 14.4 W/m	344 lm/ft (1,128 lm/m)	78 lm/W	85	93	82
UB-SS-30K	3000K	4.4 W/ft 14.4 W/m	335 lm/ft (1,009 lm/m)	76 lm/W	82	95	82
UB-SS-42K	4200K	4.4 W/ft 14.4 W/m	350 lm/ft (1,148 lm/m)	80 lm/W	82	97	82
UB-SS-62K	6200K	4.4 W/ft 14.4 W/m	366 lm/ft (1,200 lm/m)	83 lm/W	81	96	80

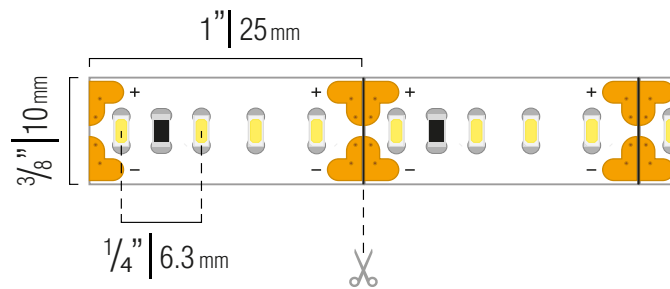


Architectural Series™

Our Architectural Series™ is built to last and to make lasting impressions. Born to meet the high standard of innovative architectural design and complex lighting projects, the Architectural Series is designed with the market's leading components to create an incredibly bright strip with excellent color rendering and long run lengths. Pair this strip with a dimmer to take full advantage of its versatile applications, from bright task lighting to lower, comfortable accents.

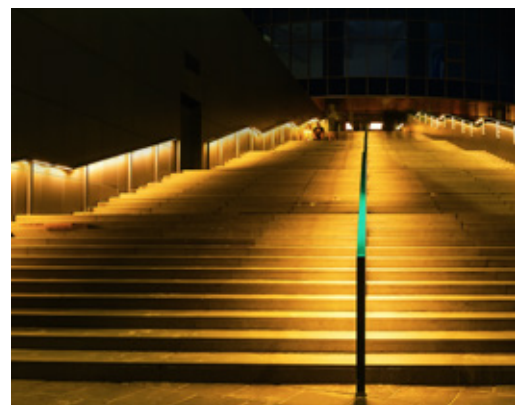
Features

- High CRI up to 97
- High TLCI up to 97
- 4.4 Watts/ft
- High output up to 503 lm/ft (1636 lm/m)
- Efficacy up to 113 lm/W
- Maximum run length 12V: 16ft, 24V: 42ft, 48V: 65ft
- Available in 2700K, 3000K, 3500K, 4000K and 5000K
- Can be used to comply with Title 24 JA8 (for CCTs up to 4000K)
- Newly-designed solder pads for effortless soldering
- Thermally resistant 3M VHB 4930 adhesive for long-lasting bond
- Thick 4 oz pure copper PCB for excellent thermal management
- 50,000 hour lifespan (8 hours/day for 17 years)
- 15-year warranty
- UL Listed (cULus) E36252



Specifications

Product SKU	Color (CCT)	Watts / foot (Meter)	Lumen / foot (Meter)	Luminous efficacy (Lumens / Watt)	CRI	Gamut Score Rg (Color Sat.)	Relative Fidelity Score (RF)	TLCI (Qa)	CQS
UB-AS-24K90C	2400K	4.4 W/ft 14.4 W/m	329 lm/ft (1,079 lm/m)	74 lm/W	97	99	93	97	96
UB-AS-27K90C	2700K	4.4 W/ft 14.4 W/m	456 lm/ft (1,496 lm/m)	106 lm/W	94	96	89	87	93
UB-AS-30K90C	3000K	4.4 W/ft 14.4 W/m	466 lm/ft (1,530 lm/m)	107 lm/W	95	100	90	89	94
UB-AS-35K90C	3500K	4.4 W/ft 14.4 W/m	503 lm/ft (1,636 lm/m)	110 lm/W	96	99	90	91	94
UB-AS-40K90C	4000K	4.4 W/ft 14.4 W/m	485 lm/ft (1,591 lm/m)	110 lm/W	95	98	89	92	93
UB-AS-50K90C	5000K	4.4 W/ft 14.4 W/m	496 lm/ft (1,630 lm/m)	113 lm/W	95	99	89	94	92

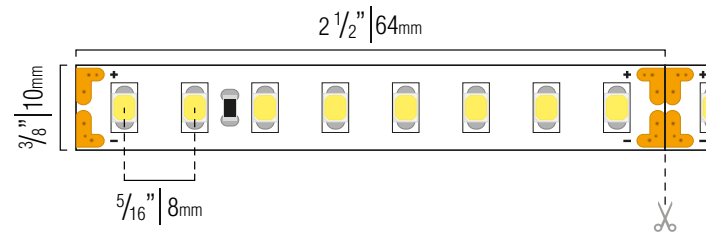


Render Series™

Boldly built to mimic pure, unadulterated daylight, the Render Series™ captures everything the naked eye misses. The Render Series™ is designed with a very high output up to 870 lm/ft and spectacularly high CRI, TLCI, R9 and R13 values. Perfect for professional-grade studio lighting and high-level accent lighting for film, photography, fashion, art, and more.

Features

- High CRI up to 98
- High TLCI up to 99
- 6.6 Watts/ft
- High output up to 870 lm/ft (2852 lm/m)
- Efficacy up to 129 lm/W
- Maximum run length 12V: 9ft, 24V: 19ft
- Available in 3000K, 3500K, 4000K and 5200K
- Can be used to comply with Title 24 JA8 (for CCTs up to 4000K)
- Newly-designed solder pads for effortless soldering
- Thermally resistant 3M VHB 4930 adhesive for long-lasting bond
- Thick 4 oz pure copper PCB for excellent thermal management
- 50,000 hour lifespan (8 hours/day for 17 years)
- 7-year warranty
- UL Listed (cULus) E36252



Specifications

Product SKU	Color (CCT)	Watts / foot (Meter)	Lumen / foot (Meter)	Luminous efficacy (Lumens / Watt)	CRI	Gamut Score Rg (Color Sat.)	Relative Fidelity Score (RF)	TLCI (Qa)	CQS
UB-RS-30K97C	3000K	6.6 W/ft 21.6 W/m	735 lm/ft (2,411 lm/m)	110 lm/W	97	100	94	99	97
UB-RS-35K97C	3500K	6.6 W/ft 21.6 W/m	833 lm/ft (2,731 lm/m)	125 lm/W	98	100	93	99	96
UB-RS-40K95C	4000K	6.6 W/ft 21.6 W/m	811 lm/ft (2,659 lm/m)	128 lm/W	98	100	93	99	96
UB-RS-50K95C	5200K	6.6 W/ft 21.6 W/m	870 lm/ft (2,852 lm/m)	129 lm/W	98	100	94	99	98

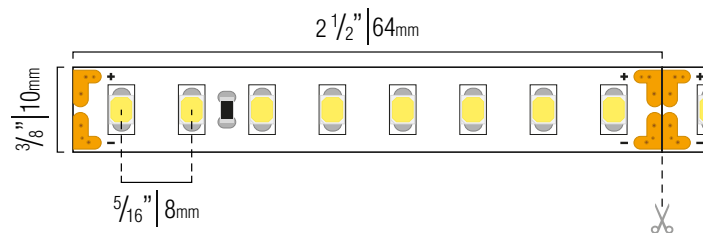


Industrial Series™ CRI 80+

The Industrial Series™ CRI 80+ is one of the brightest strips on the market, emitting a staggering 1,156 lm/ft while sustaining a high color rendering index. Made with new, innovative technology, this strip is best suited for industrial and architectural design applications, along with custom OEM solutions.

Features

- High CRI up to 85
- High TLCI up to 76
- 6.6 Watts/ft
- High output up to 1156 lm/ft (3793 lm/m)
- Efficacy up to 173 lm/W
- Maximum run length 12V: 9ft, 24V: 19ft
- Available in 3000K, 3500K, 4000K, 5000K and 6200K
- Newly-designed solder pads for effortless soldering
- Thermally resistant 3M VHB 4930 adhesive for long-lasting bond
- Thick 4 oz pure copper PCB for excellent thermal management
- 50,000 hour lifespan (8 hours/day for 17 years)
- 7-year warranty
- UL Listed (cULus) E36252



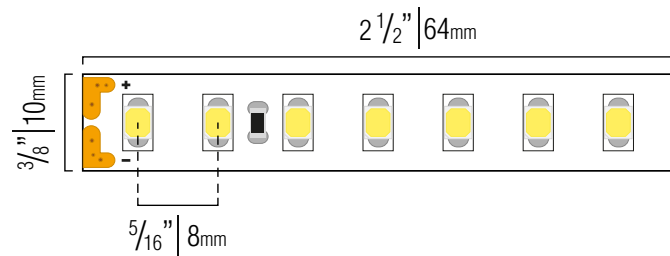
Specifications

Product SKU	Color (CCT)	Watts / foot (Meter)	Lumen / foot (Meter)	Luminous efficacy (Lumens / Watt)	CRI	Gamut Score Rg (Color Sat.)	Relative Fidelity Score (RF)	TLCI (Qa)	CQS
UB-IS-30K80C	3000K	6.6 W/ft 21.6 W/m	1048 lm/ft (3439 lm/m)	160 lm/W	85	96	86	72	85
UB-IS-35K80C	3500K	6.6 W/ft 21.6 W/m	1156 lm/ft (3793 lm/m)	170 lm/W	85	96	85	73	84
UB-IS-40K80C	4000K	6.6 W/ft 21.6 W/m	1126 lm/ft (3694 lm/m)	168 lm/W	85	94	85	72	84
UB-IS-50K80C	5000K	6.6 W/ft 21.6 W/m	1026 lm/ft (3366 lm/m)	173 lm/W	85	93	84	73	82
UB-IS-62K80C	6200K	6.6 W/ft 21.6 W/m	1068 lm/ft (3503 lm/m)	166 lm/W	85	91	83	76	83



Industrial Series™ CRI 90+

The Industrial Series™ CRI 90+ is designed with an output up to 972 lm/ft, CRI up to 96, and can be used to comply with Title 24 JA8. For CCTs up to 4000k, this strip meets the gold standard for light quality and energy-efficiency wherever you choose to install. The high CRI, TLCI and R9 values promises exceptional color accuracy and rendering for your visually aesthetic needs.



Features

- High CRI up to 98
- High TLCI up to 99
- 6.6 Watts/ft
- High output up to 870 lm/ft (2852 lm/m)
- Efficacy up to 129 lm/W
- Maximum run length 12V: 9ft, 24V: 19ft
- Available in 3000K, 3500K, 4000K and 5200K
- Can be used to comply with Title 24 JA8 (for CCTs up to 4000K)
- Newly-designed solder pads for effortless soldering
- Thermally resistant 3M VHB 4930 adhesive for long-lasting bond
- Thick 4 oz pure copper PCB for excellent thermal management
- 50,000 hour lifespan (8 hours/day for 17 years)
- 7-year warranty
- UL Listed (cULus) E36252








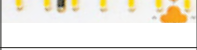



Specifications

Product SKU	Color (CCT)	Watts / foot (Meter)	Lumen / foot (Meter)	Luminous efficacy (Lumens / Watt)	CRI	Gamut Score Rg (Color Sat.)	Relative Fidelity Score (RF)	TLCI (Qa)	CQS
UB-IS-30K90C	3000K	6.6 W/ft 21.6 W/m	939 lm/ft (3079 lm/m)	146 lm/W	95	100	91	90	95
UB-IS-35K90C	3500K	6.6 W/ft 21.6 W/m	916 lm/ft (3004 lm/m)	144 lm/W	96	100	91	91	94
UB-IS-40K90C	4000K	6.6 W/ft 21.6 W/m	923 lm/ft (3029 lm/m)	147 lm/W	95	99	89	89	92
UB-IS-50K80C	5000K	6.6 W/ft 21.6 W/m	972 lm/ft (3187 lm/m)	153 lm/W	93	99	88	93	92
UB-IS-62K80C	6200K	6.6 W/ft 21.6 W/m	942 lm/ft (3089 lm/m)	140 lm/W	94	98	88	95	91



COMPARISON CHART

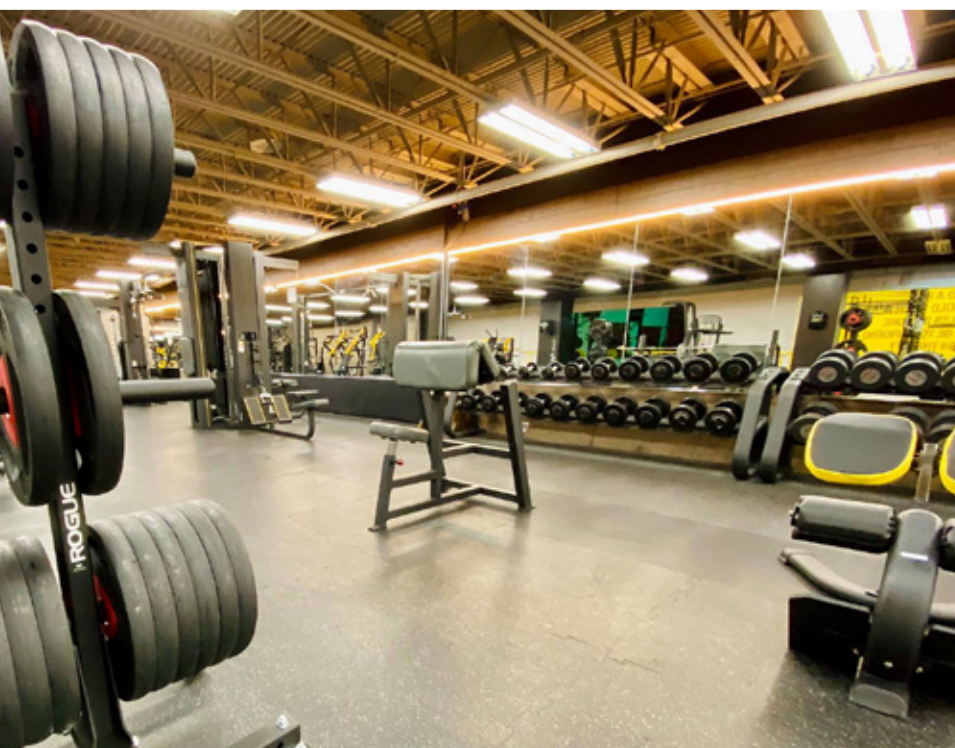
Single Color Output

LED Strip		Color Temperatures	Brightness	Lumens / ft	Watts / ft	Lumens / Watt	Ingress Protection	CRI	Voltage	Max Run (in series)
Ultraviolet Series™		NA	● ○ ○ ○ ○ ○	NA	2.9	NA	IP20	NA	12V 24V*	12V-32' 24V-32'
ColorBright™ Vivid Color		Green, Red, Blue, Amber	● ● ○ ○ ○ ○	G: 134 R: 91 B: 55 A: 263	2.9	~ 91	IP20, IP65	NA	12V 24V*	12V-32' 24V-32'
Outline Series™		24K*, 27K, 30K, 35K, 40K, 50K	● ● ○ ○ ○ ○	~ 125	1.5	~ 84	IP20, IP65	~ 98	24V 48V	24V-82' 48V-131'
Accent Series™		24K*, 27K, 30K, 35K, 40K, 50K	● ● ● ○ ○ ○	~ 266	3.5	~ 76	IP20, IP65	~ 98	12V 24V 48V	12V-32' 24V-39' 48V-65'
Slim Series™		24K, 27K, 30K, 42K, 62K	● ● ● ○ ○ ○	~ 366	4.4	~ 83	IP20	~ 82	12V 24V	12V-10' 24V-10'
Architectural Series™		24K, 27K, 30K, 35K, 40K, 50K, 62K*	● ● ● ● ● ○	~ 503	4.4	~ 113	IP20, IP65	~ 97	12V 24V 48V	12V-16' 24V-42' 48V-65'
Render Series™		30K, 35K, 40K, 52K	● ● ● ● ● ●	~ 870	6.6	~ 129	IP20	~ 98	12V 24V	12V-9' 24V-19'
Industrial Series™ CRI 90+		30K, 35K, 40K, 50K, 62K	● ● ● ● ● ●	~ 972	6.6	~ 153	IP20	~ 96	12V 24V	12V-9' 24V-19'
Industrial Series™ CRI 80+		30K, 35K, 40K, 50K, 62K	● ● ● ● ● ●	~ 1156	6.6	~ 173	IP20	~ 85	12V 24V	12V-9' 24V-19'

* This option is only available through special order







COLOR CHANGING LED STRIPS



COLOR CHANGING LED STRIPS

ColorBright™ RGB 150 Series

Lumen Output: Up to 45 lm/ft

Power: 2.2 W/ft (7.2 W/m)

Colors: Almost any deep and intense color of your choice.

This strip uses an advanced color mixing technology of 150 RGB color changing LEDs per reel that allows the color output to be changed internally with each LED, projecting a purely bright and beautiful glowing color of your choice.



ColorBright™ RGB 300 Series

Lumen Output: Up to 90 lm/ft

Power: 4.4 W/ft (14.4 W/m)

Colors: Almost any deep and intense color of your choice.

The higher output RGB 300 series utilizes the same technology as the RGB 150 series, but it has double the LEDs and double brightness. The color output can be changed internally with each LED, projecting a purely bright and beautiful glowing color of your choice.



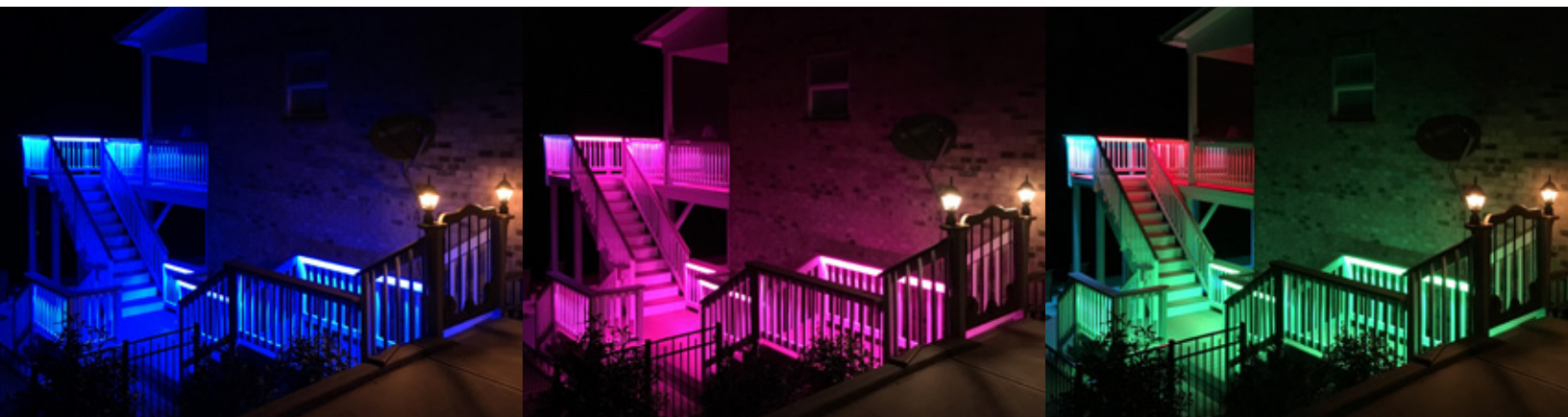
ColorBright™ RGBW Series

Lumen Output: Variable RGB output and White output up to 213 lm/ft (698/m)

Power: 4.4 W/ft (14.4 W/m)

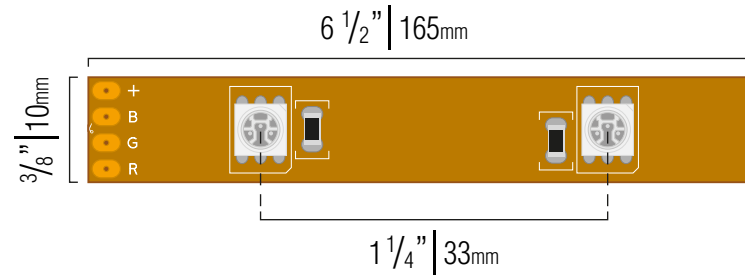
Colors: Full color spectrum (RGB + White [2400K, 2700K, 3000K, 4200K, or 6200K])

The ColorBright™ Color Changing + White LED strip light has alternating RGB color changing LEDs and single color high brightness white LEDs, combining color changing and white strips into one.



ColorBright™ RGB 150 Series

Paint with light. The ColorBright™ RGB 150 LED strip uses an advanced color mixing technology of 150 RGB LEDs per 16'5" reel. The use of a DMX or RGB controller allows the color output of the LEDs to be changed internally, projecting a purely bright and beautiful glowing color of your choice. Create beautiful works of art and light shows at the touch of a button. The RGB 150 series uses half the energy of the 300 series and is also able to be installed in longer continuous runs.



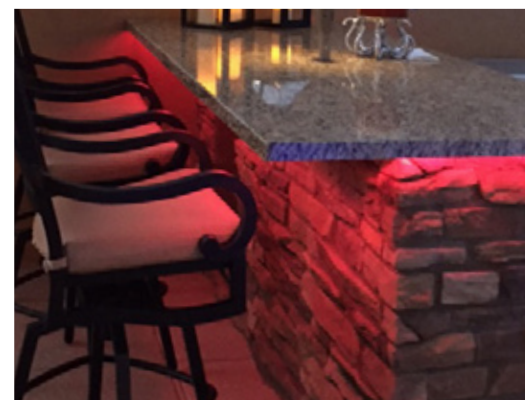
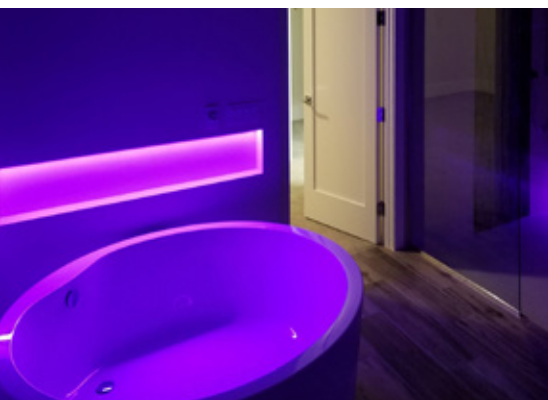
Features

- Color Changing
- Fully dimmable and color controllable
- 120° Beam Angle
- Highest quality 5050 SMD LEDs
- 3M VHB 4930 adhesive backing for a long lasting bond
- Single BIN LED selection to ensure color consistency (3-Step MacAdam)
- Maximum run length 12V: 32ft 10in (10m), 24V: 48ft 10 in (15m)
- 24V and 12V DC Input Options Available
- Can be cut every 4" (100mm) | 6 1/2" for 24V (165mm)
- Thick double layer 2oz copper PCB for excellent thermal management
- Short LED pitch of 1 1/4" (33mm)



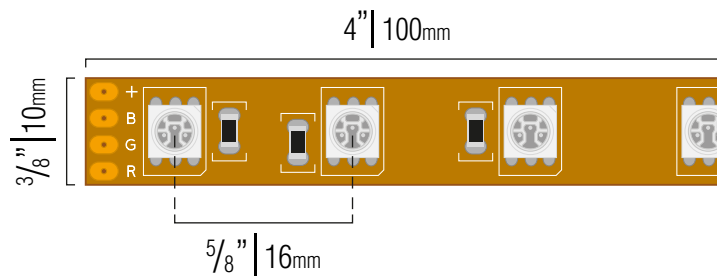
Specifications

Product SKU	LED Chips per foot (Meter)	Voltage Input	Watts / foot (Meter)	Lumen / foot (Meter)	Segment Lengths	Max. Run Length in Series
CB-RGB-12V	9 LEDs/Foot (30/Meter)	12V DC	2.2 W/ft (7.2 W/m)	Variable	4" (100 mm)	32' 10" (10 meters)
CB-RGB-24V	9 LEDs/Foot (30/Meter)	24V DC	2.2 W/ft (7.2 W/m)	Variable	6 1/2" (165 mm)	48' 10" (15 meters)



ColorBright™ RGB 300 Series

An explosion of colors. The ColorBright™ RGB 300 LED strip uses an advanced color mixing technology of 300 RGB LEDs per 16'5" reel. The use of a DMX or RGB controller allows the color output of the LEDs to be changed internally, projecting a purely bright and beautiful glowing color of your choice. Create beautiful works of art and light shows at the touch of a button. The RGB 300 series is twice as densely populated with LEDs and thus twice as bright compared to the RGB 150 series.



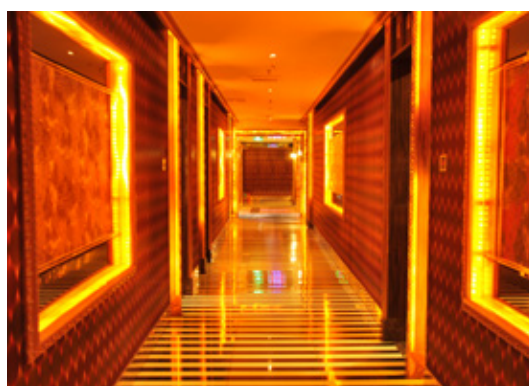
Features

- Color Changing
- Fully dimmable and color controllable
- 120° Beam Angle
- Highest quality 5050 SMD LEDs
- 3M VHB 4930 adhesive backing for a long lasting bond
- Single BIN LED selection to ensure color consistency (3-Step MacAdam)
- Maximum run length 12V: 16ft 5in (5m), 24V: 32ft 10 in (10m)
- 24V and 12V DC Input Options Available
- Can be cut every 2" (50 mm) | 4" for 24V (100mm)
- Thick double layer 2oz copper PCB for excellent thermal management
- Short LED pitch of 3/4" (17mm)



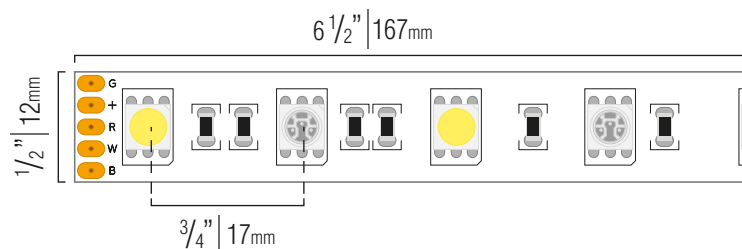
Specifications

Product SKU	LED Chips per foot (Meter)	Voltage Input	Watts / foot (Meter)	Lumen / foot (Meter)	Segment Lengths	Max. Run Length in Series
CB-RGB2-12V	18 LEDs/Foot (60/Meter)	12V DC	4.4 W/ft (14.4 W/m)	Variable	2" (50 mm)	16' 5" (5 meters)
CB-RGB2-24V	18 LEDs/Foot (60/Meter)	24V DC	4.4 W/ft (14.4 W/m)	Variable	4" (100 mm)	32' 10" (10 meters)



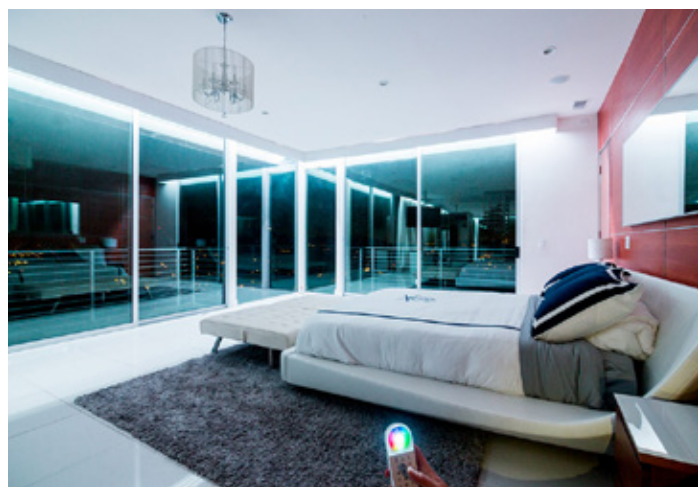
ColorBright™ RGBW Series

The ColorBright™ Color Changing + White LED strip light is an ingenious product that has combined two powerful strips into one. This product has alternating RGB color changing LEDs and single color high brightness white LEDs. With the touch of a remote, these lights can become any color you can imagine - including a crisp and beautiful white. No longer will you have to sacrifice one product for the other, we have combined them both into one strip.



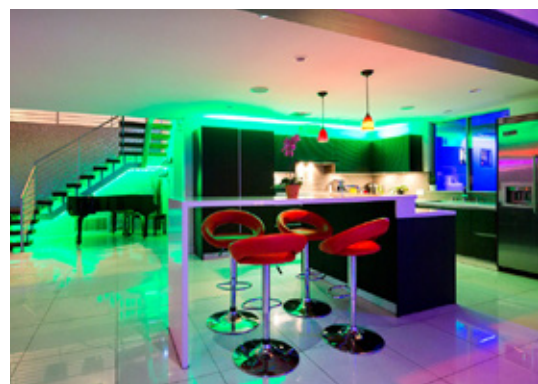
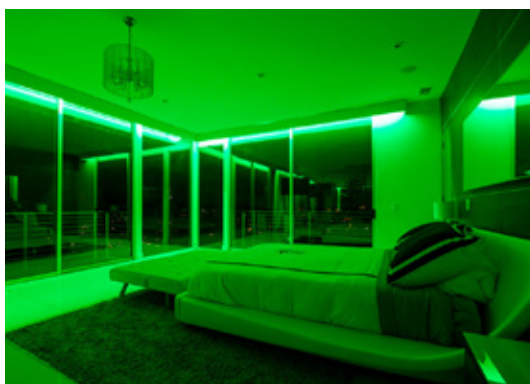
Features

- White LEDs have a high CRI of 80+
- Fully dimmable and color controllable
- 120° Beam Angle
- Highest quality 5050 SMD LEDs
- 3M VHB 4930 adhesive backing for a long lasting bond
- Single BIN LED selection to ensure color consistency (3-Step MacAdam)
- Maximum run length 12V: 16ft 5in (5m), 24V: 32ft 10in (10m)
- 24V and 12V DC Input Options Available
- Can be cut every 4" for 12V (100mm) | 6 1/2" for 24V (167mm)
- Thick double layer 2oz copper PCB for excellent thermal management
- Short LED pitch of 3/4" (17mm)






Specifications

Product SKU	Color (CCT)	Watts / foot (Meter)	Lumen / foot (Meter) [White chips only]	Lumen Output [RGB only]	CRI [White]	GamutScore Rg (Color Sat.) [White]	Relative Fidelity Score (RF) [White]
CB-RGB24K	2400K	4.4 W/ft 14.4 W/m	Coming Soon	Variable	84	98	83
CB-RGB27K	2700K	4.4 W/ft 14.4 W/m	Coming Soon	Variable	84	94	83
CB-RGB30K	3000K	4.4 W/ft 14.4 W/m	198 lm/ft (423 lm/m)	Variable	83	91	83
CB-RGB42K	4200K	4.4 W/ft 14.4 W/m	207 lm/ft (679 lm/m)	Variable	82	97	81
CB-RGB62K	6200K	4.4 W/ft 14.4 W/m	213 lm/ft (698 lm/m)	Variable	83	94	80



COMPARISON CHART

RGB Color Changing Output

LED Strip		Color Temperatures	Brightness	Lumens / ft	Watts / ft	Ingress Protection	CRI	Voltage	Max Run (in series)
ColorBright™ RGB 150 Color Changing		NA	●●○○○○	NA	2.2	IP20, IP65	NA	12V 24V	12V-32' 24V-48'
ColorBright™ RGB 300 Color Changing		NA	●●●●○○	NA	4.4	IP20, IP65	NA	12V 24V	12V-16' 24V-32'
ColorBright™ Color Changing [+White]		24K, 27K, 30K, 42K, 62K	●●●○○○	~ 213	4.4	IP20, IP65	~ 83	12V 24V	12V-16' 24V-32'



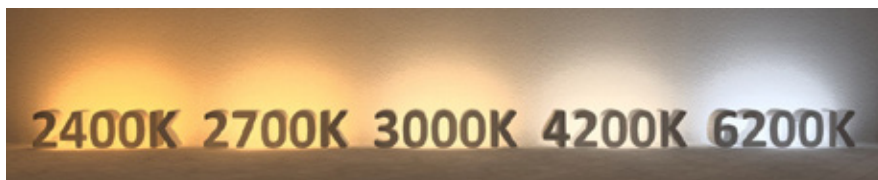
DYNAMIC TUNABLE WHITE LED STRIPS



DYNAMIC TUNABLE WHITE STRIPS

Tunable White Series LED strip lights can be adjusted to produce very specific shades of white. It is the ideal solution when an existing source of light must be matched perfectly or when the hue of light must change over time.

Control Output Color Anywhere in Between



Construction of a Dynamic Tunable White Strip



ColorBright™ Dynamic Tunable White Series

CCT ranges: 2400K-3000K, 2700K-4200K, 3000K-6200K

Brightness: Up to 266 lm/ft (871 lm/m)

The Dynamic Tunable White LED strip light uses color blending technology so you can select the perfect shade of white anywhere within the CCT range. No longer settle for one shade of white. This strip has it all.



Architectural Dynamic Tunable White Series™

CCT ranges: 2700K-6200K

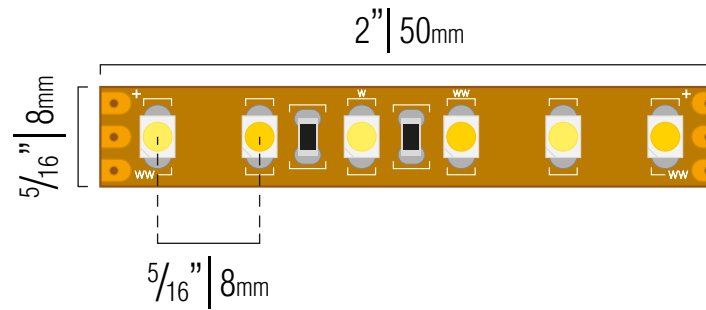
Brightness: Up to 494 lm/ft (1621 lm/m)

The UltraBright™ Architectural Dynamic Tunable White Series offers countless color temperatures so you can pick the perfect light in any room, at any time. Pair these lights with a remote control system to take full advantage of the tunable capabilities.



ColorBright™ Dynamic Tunable White Series

ColorBright™ Dynamic Tunable White Series LED strip light the perfect lighting solution for projects that require a very specific shade of white light or for projects where the color of white will need the ability to change from time to time. This LED strip light was produced with alternating colored LEDs on the circuit board (half 3000k and half 6200k), so you can dial in your perfect color of white using a remote control.



Features

- High CRI of 83+
- Strips can be controlled to produce any color of white between 3000K and 6200K
- Fully Dimmable
- 120° Beam Angle
- Efficiency up to 92 lm/W
- Highest quality 3528 SMD LEDs
- 3M VHB 4930 adhesive backing for a long lasting bond
- Single BIN LED selection to ensure color consistency (3-Step MacAdam)
- Maximum run length: 32ft 10in (10m)
- 12V DC Input (24V available by special order)
- Can be cut every 2" (50mm)
- Thick double layer 2oz copper PCB for excellent thermal management
- Short LED pitch of 5/16" (8mm)



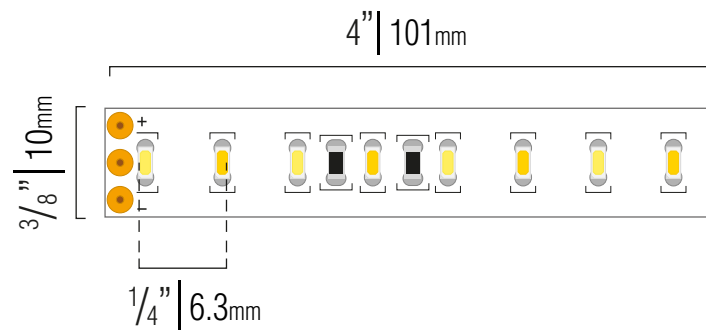
Specifications

Product SKU	Color setting on remote	Lumen / foot (Meter)	CRI	Gamut Score RG (Color Sat.)	Relative Fidelity Score (RF)
CB-HYB3062	3000K	132 lm/ft (435 lm/m)	85	96.4	82.8
CB-HYB3062	4200K	266 lm/ft (871 lm/m)	83	N/A	N/A
CB-HYB3062	6200K	132 lm/ft (435 lm/m)	83	97.4	80.3



Architectural Dynamic Tunable White Series™

The Architectural Dynamic Tunable White Series™ is perfect for those looking for quality tunable lighting with countless color temperatures, excellent color rendering, while maintaining a high brightness output. Pick the perfect light for every room, mood or task by pairing tunable LED lights with a remote control system. Choose from warm glows to crisp lighting and everything in between 2700K - 6200K with full control or just choose a favorite and leave it. Explore all color temperatures to rediscover your favorite light in every space.



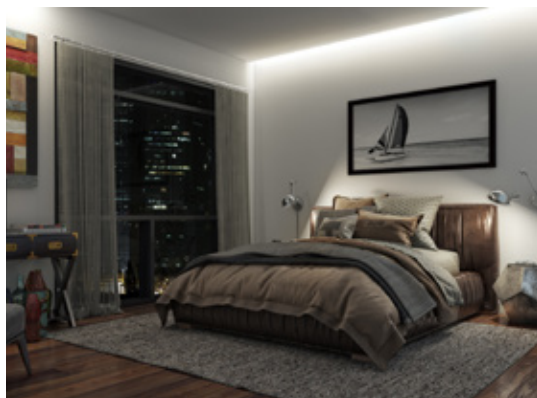
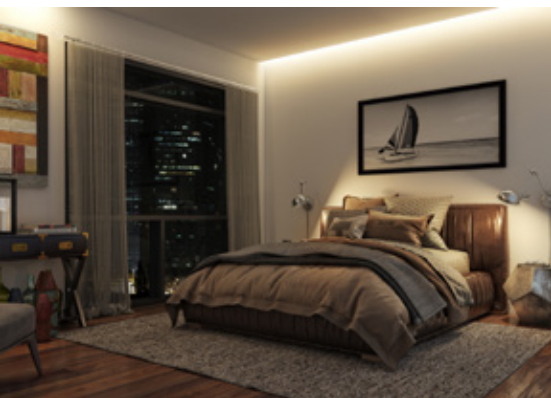
Features

- High CRI of 90+
- High output of 494 lm/ft
- Maximum run length of 42ft 7in (13m)
- CCT range 2700K - 6200K
- Fully dimmable
- Newly-designed solder pads for effortless soldering
- Single-bin LED selection to ensure color consistency (3-Step MacAdam)
- Thermally resistant 3M VHB 4930 adhesive for long-lasting bond
- Thick 4oz pure copper PCB for excellent thermal management
- 50,000 hour lifespan (8 hours/day for 17 years)
- 15-year warranty
- UL Listed (cULus) E362522





Specifications

Product SKU	Color (CCT)	Watts / foot (Meter)	Lumen / foot (Meter)	Luminous efficacy (Lumens / Watt)	CRI	Gamut Score Rg (Color Sat.)	Relative Fidelity Score (RF)	TLCI (Qa)	CQS
UB-AS-DYN2762 90C-24V	2700K-6200K	4.4 W/ft (14.4 W/m)	494 lm/ft (1,621 lm/m)	108,1	93	96	88	87	90
	2700K	2.2 W/ft (7.2 W/m)	245 lm/ft (804 lm/m)	107.73	94	96	89	87	93
	6200K	2.2 W/ft (7.2 W/m)	273 lm/ft (895 lm/m)	120	93	100	88	93	90



COMPARISON CHART

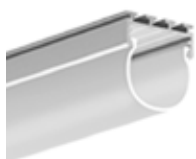
Dynamic Tunable White Output

LED Strip		Color Temperatures	Brightness	Lumens / ft	Watts / ft	Lumens / Watt	Ingress Protection	CRI	Voltage	Max Run (in series)
ColorBright™ Dynamic Tunable White		24K-62K	●●●○○○	~ 285	2.9	~ 98	IP20, IP65	~ 83	12V 24V	12V-32' 24V-32'
Architectural Dynamic Tunable White Series™		27K-62K	●●●●○○	~ 494	4.4	~ 108	IP20, IP65	~ 93	24V	24V-42'

COMPATIBLE ALUMINUM EXTRUSIONS

► GIZA Anodized Extrusion

(SKU: KL-B5556ANODA-1m)



Covers

- HS 22 Clear Cover (SKU: KL-17022-1m)
- HS 22 Frosted Cover (SKU: KL-17011-1m)

End Caps

- GIZA End Cap without Wire Hole (SKU: KL-24007)

Mounting Accessories

- GP Surface Spring (SKU: KL-00293)
 - minimum surface thickness 10mm (3/8")
- Mounting Bracket (SKU: KL-24143)

► 45-ALU Anodized Extrusion

(SKU: KL-B4023ANODA-1m)



Covers

- HS Clear Cover (SKU: KL-1370-1m)t
- HS Frosted Cover (SKU: KL-1369-1m)
- LIGER Frosted Cover (SKU: KL-17031-1m)

End Caps

- 45-ALU End Cap without Wire Hole (SKU: KL-1383)
- 45-ALU End Cap with Wire Hole (SKU: KL-1440)

Mounting Accessories

- Zinc Mounting Bracket (SKU: KL-24144)
- NOTE:** All solderless connectors do not fit inside this aluminum extrusion.

► KLUS MICRO-ALU Anodized Extrusion

(KL-B1888ANODA-1m)



Covers

- HS Clear Cover (SKU: KL-1370-1m)t
- HS Frosted Cover (SKU: KL-1369-1m)
- LIGER Frosted Cover (SKU: KL-17031-1m)

End Caps

- MICRO-ALU End Cap without Wire Hole (SKU: KL-1059)
- MICRO-ALU End Cap with Wire Hole (SKU: KL-1060)

Mounting Accessories

- Zinc Mounting Bracket (SKU: KL-24190)
- NOTE:** All solderless connectors do not fit inside this aluminum extrusion.

► KLUS PDS4-ALU Anodized Extrusion

(KL-B1718ANODA-1m)



Covers

- HS Clear Cover (SKU: KL-1370-1m)
- HS Frosted Cover (SKU: KL-1369-1m)
- LIGER Frosted Cover (SKU: KL-17031-1m)

End Caps

- PDS4-ALU End Cap without Wire Hole (SKU: KL-1055)
- PDS4-ALU End Cap with Wire Hole (SKU: KL-1057)

Mounting Accessories

- Zinc Mounting Bracket (SKU: KL-24190)
- NOTE:** All solderless connectors do not fit inside this aluminum extrusion.

KLUS TAMI Anodized Extrusion

(KL-B5390ANODA-1m)



Covers

- Comes with Translucent Cover

End Caps

- Eco TAMI End Cap (SKU: KL-20051)

Mounting Accessories

- Zinc Mounting Bracket (SKU: KL-24190)
- NOTE:** All solderless connectors do not fit inside this aluminum extrusion.

► KLUS KOPRO Anodized Extrusion

(KL-B6367ANODA-1m)



Covers

- KOPRO-L Cover (SKU: KL-17092-1)

End Caps

- KOPRO-L End Cap (SKU: KL-24116)

Mounting Accessories

- GP Surface Spring (SKU: KL-00293)
 - minimum surface thickness 10mm (3/8")
- Mounting Bracket (SKU: KL-24143)

► KLUS LIPOD Anodized Extrusion

(SKU: KL-B5554ANODA-1m)



Covers

- HS 22 Clear Cover (SKU: KL-17022-1m)
- LIGER 22 Frosted Cover (SKU: KL-17032-1m)

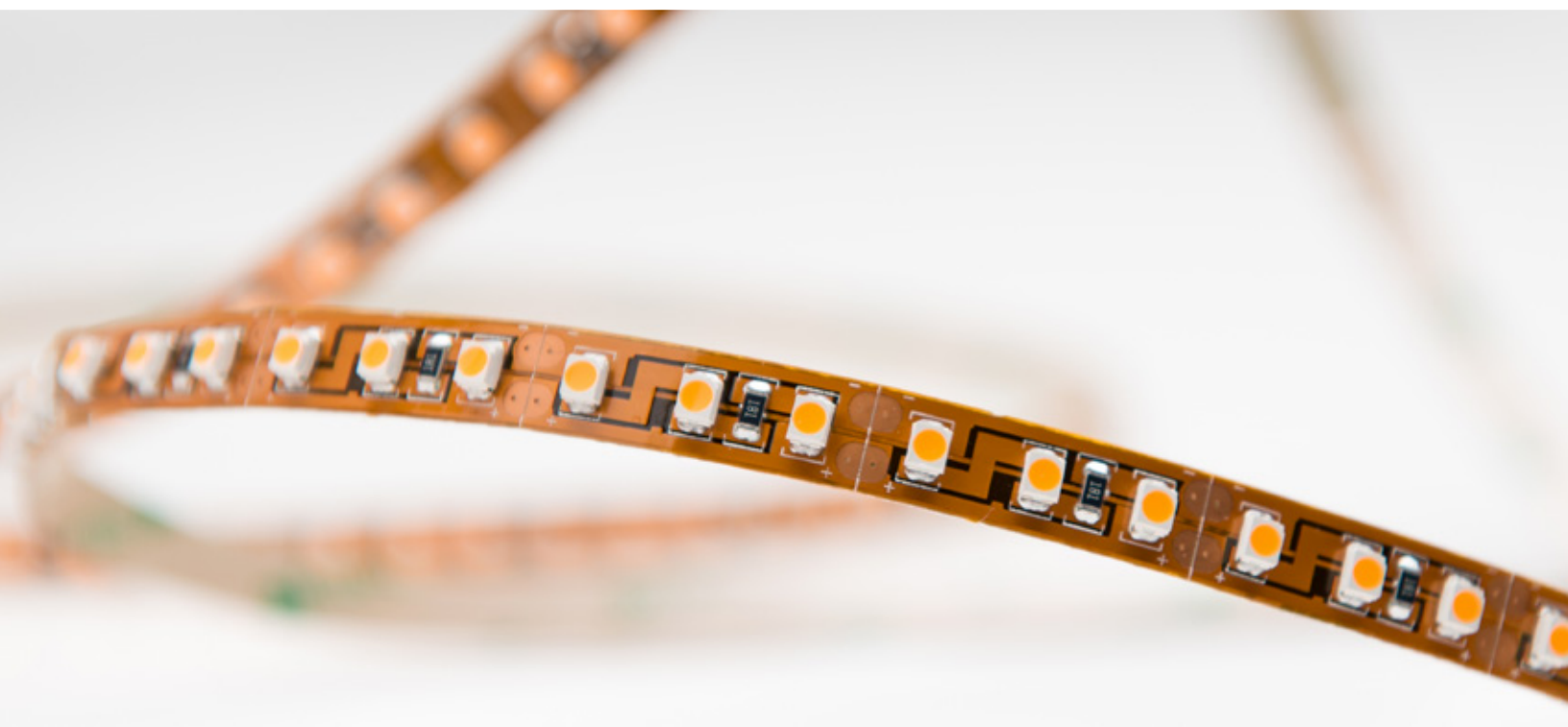
End Caps

- LIPOD-MET End Cap (SKU: KL-24051)

Mounting Accessories

- GP Surface Spring (SKU: KL-00293)
 - minimum surface thickness 10mm (3/8")
- Mounting Bracket (SKU: KL-24143)





GLOSSARY

Lumens (lm) - Lumen is the measurement of brightness as perceived to the human eye. We are accustomed to using watts to measure the “brightness of light” because of incandescent lighting use. Today, we use lumen. Lumen is the most important variable when choosing your strip light. The higher the number, the brighter the light will be. Ensure that the strips you choose are bright enough for your application.

AC - Alternating Current. This is the electricity that is used in most homes and commercial spaces. It’s often referred to as line voltage and number differs from country to country. US line voltage is typically 90V-220V, whereas it often averages higher in Europe.

DC - Direct Current. Most LED strips on the market use low-voltage DC. A transformer or low-voltage battery is often required to step-down the AC voltage to a suitable level for the LED strips, which is normally 12V or 24V DC.

CRI - Color Rendering Index is the measurement of how colors look under a light source when compared with sunlight. Having information on the CRI of an LED strip light is important because you want to make sure that colors are being accurately represented by the light source.

LED Pitch - The distance between the individual chips on a strip. It is absolutely crucial to understand the importance that pitch plays in your project. The shorter the pitch, the more uniform the light tends to be and the less spotting tends to happen.

Chip Size - LED chips are all not all equal. What is the difference between 3528, 3014, and 5050 LEDs? The four digits represent the size of the chips in millimeters. For example, the 3528 chip is 3.5 mm X 2.8mm. Some chips are brighter than others and some have special uses and restrictions.

CCT - Not all white light appears the same. Correlated Color temperature (CCT) defines the color appearance of a white light. CCT is defined in degrees Kelvin. Most white lights fall in a spectrum between 1800K and 6500K. When falling below 3000K, the light looks noticeably warmer like a candle. On the other end of the spectrum, the lights have a blue-ish tint and cooler tone when passing above 6500K. Some color temperatures will better suit your design than others. Choose complementary highlighting tones and look at example photos to find which you feel will look the best.

LED Binning - Simply put, binning is the process of grouping LEDs during production so that they match with LEDs of the same color sector. For consistent light and color output, we make sure that the LEDs are always ordered from the same bin.

LED - A Light Emitting Diode (LED) is a solid-state semiconductor device that converts electrical energy directly into light.

Solid-state lighting - Lighting devices that do not contain moving parts or parts that can break, rupture, shatter, leak, or contaminate the environment. LEDs do not use electrical filaments or gasses to produce light.

Luminous efficacy - This is calculated by measuring the lumen output and then dividing that number by watts. For example, a strip that has a lumen output of 300lm/ft and a wattage draw of 3w/ft has an efficiency of 100lm/W.

TM-30 - The Fidelity Index measures how closely the observed light can render colors like the sun, using 99 color samples.

Gamut Index - How saturated or desaturated colors are (aka how intense the colors are).

Color Vector Graphic - Measures which colors are saturated/desaturated and whether there is a hue shift in any of the 16 color bins.

CQS - Color Quality Scale is an alternative to the unsaturated CRI measurement colors. There are 15 highly-saturated colors that are used to compare chromatic discrimination, human preference, and color rendering.

IP Rating - This is a rating system that defines the ability of a product to be able to work in different environments. IP is an acronym for “Ingress Protection”. It is a measurement of the protection an item will have against solid objects (dust, sand, dirt, etc.) and liquids.

IP65 - Water resistant. “Protected against water jets from any angle” *Do NOT submerge IP65 LED lights. These are not waterproof.

IP67 - Water resistant plus. “Protected against the events of temporary submersion (10 minutes)” *Do NOT submerge IP67 LED lights for extended periods, these are not waterproof.

IP68 - Waterproof. “Protected against the events of permanent submersion up to 3 meters”



FLEXFIRELEDs

Flexfire LEDs, Inc.
www.FlexfireLEDs.com

3554 Business Park Dr, Suite F. Costa Mesa,
CA 92626

1-844-FLEXFIRE