

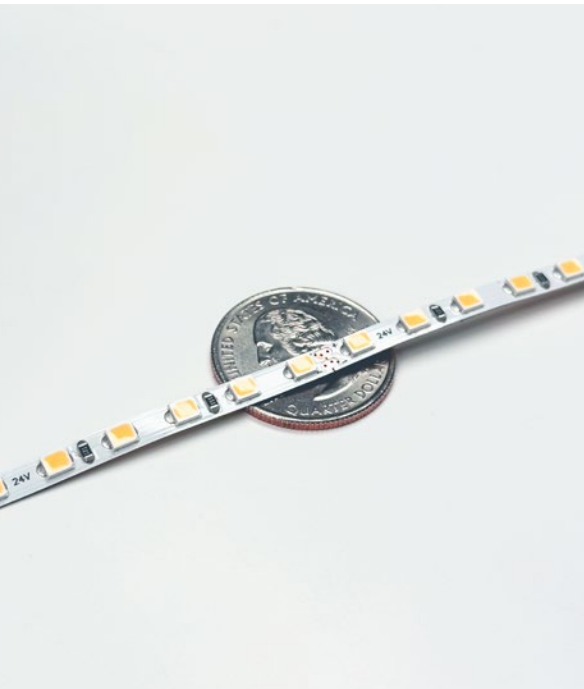



FLEXFIRELEDs

UltraBright™  
**Slim Series**  
**LED Strip Light**

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Product Data Sheet



 Please read all instructions carefully before installation.

## Description

The UltraBright™ Slim Series is an ultra-thin LED strip light with just a bit over a 1/8" (4mm) width, outfitted with very bright LED chips and a strong adhesive backing. The thin design of the strip has been constructed for high brightness, optimal heat dissipation, consistency of color, and great color rendering. It is one of the most narrow LED strip lights on the market. These strips are great for providing elegant, discreet lighting and are commonly used by architects and lighting designers in professional installations, as well as by OEMs within their products.

7-Year  
Warranty



## Product Features

CRI	High CRI of up to 95
R9 and R13 Values	R9 (up to 82) & R13 (97) values
Brightness	Up to 391 lm/ft (1,285 lm/m)
Efficacy	Up to 90 lm/W
Voltage	24V DC Input
LEDs/Foot	36 LEDs/ft (120/m)
Beam Angle	120° Beam Angle
Ambient Temperature	-4°F - 113°F (-20°C - 45°C)
PCB	4 oz copper
LED Pitch	1/4" (7 mm)
Strip Width	3/16" (4 mm)
Cutting Points	2" (50 mm)
Max Run Length in Series	16 ft (5 m)
LED Size	2835
Adhesive Type	3M 300 LSE tape (IP20)
Dimmable	Yes

# Product Specifications

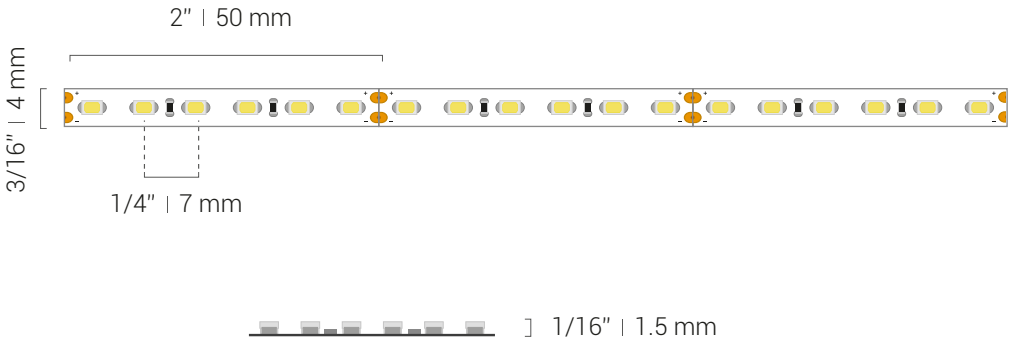
Product SKU	Color CCT*	Watts / Foot (Meter)	Lumens / Foot (Meter)	Luminous Efficacy (Lumens/Watt)	CRI	Gamut Score (Rg)	Relative Fidelity Score (Rf)	TLCI
UB-SS-30K90C	3000K	4.6 W/ft (15.1 W/m)	360 lm/ft (1,180 lm/m)	81 lm/W	94	100	92	94
UB-SS-50K90C	5000K	4.6 W/ft (15.1 W/m)	391 lm/ft (1,285 lm/m)	90 lm/W	95	99	91	95

\*CCT may be +/-100K but always ordered from same bin and will present no noticeable differences perceived by the human eye.

# Ordering Code

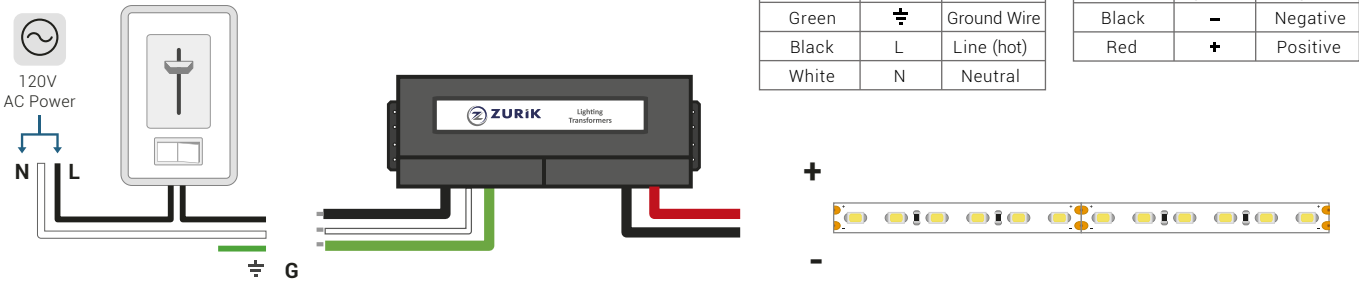
Brand	Series	CCT	Voltage	Length
<b>UB</b> UltraBright	<b>SS</b> Slim™ Series	<b>30K90C</b> - 3000K/90+ CRI <b>50K90C</b> - 5000K/90+ CRI	<b>24V</b>	<b>16FT</b> 16ft Reel

# Dimensions

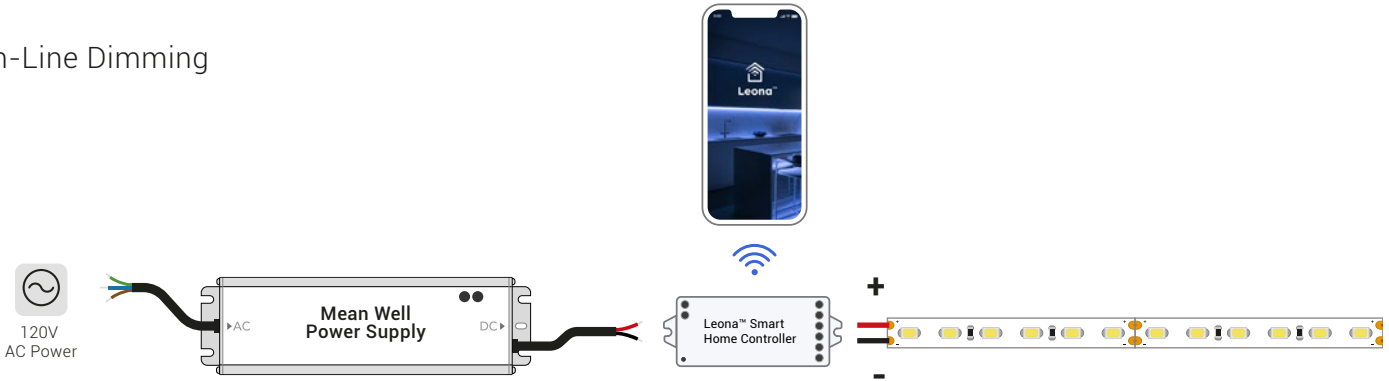


# Dimming Options

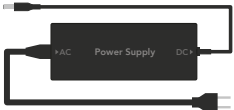
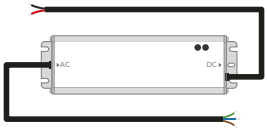

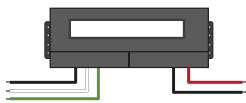


## Lutron Style Wall Dimming



## In-Line Dimming



# Compatible Drivers (24V)

	Power Supply	LED Strip Length	Product SKU	Diagram	
Non-dimmable	Plug-In Power Supply	1 - 4 ft	24V-WMPS2-1		
		5 - 10 ft	24V-DPS2-2.5		
		11 - 16 ft	24V-DPS2-4		
		17 - 20 ft	24V-DPS2-5		
	Mean Well™ HLG		1 - 11 ft	HLG-60H-24A	
			12 - 17 ft	HLG-100H-24A	
			18 - 34 ft	HLG-185H-24A	
			35 - 59 ft	HLG-320H-24A	
			60 - 110 ft	HLG-600H-24A	
	Mean Well™ LPV		1 - 11 ft	LPV-60-24	
Dimmable	Zurik® Universal	1 - 5 ft	ZRK-UNV-30W-24VDC		
		6 - 11 ft	ZRK-UNV-60W-24VDC		
		12 - 18 ft	ZRK-UNV-96W-24VDC		
		19 - 23 ft	ZRK-UNV-120W-24VDC		
		24 - 39 ft	ZRK-UNV-200W-24VDC		
		40 - 58 ft	ZRK-UNV-300W-24VDC		
		2 - 72 ft (up to 18ft/output)	ZRK-UNV-C384W-24VDC		
Lutron® Hi-Lume™ Premier		1 - 18 ft	L3D0-96W24V-U	 	
0.1% Constant Voltage Driver	Dimming Range: 0.1-100%	Description: Hi-Lume Premier 0.1% EcoSystem 24V constant voltage LED driver with Soft-on, Fade-to-Black dimming technology			



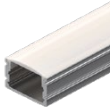


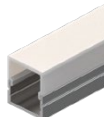


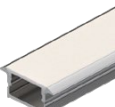
## Compatible Aluminum Extrusions

### IMPORTANT:

Because of the small surface area of the UltraBright™ Slim Series LED strip light, we encourage the use of a heat sink like aluminum or another heat dissipating material to make sure the strip stays within a healthy operating temperature.

The following aluminum profiles would work as heat sinks but keep in mind that they are much wider than the strip.

### Flexfire LEDs Mounting Channel Kits

Name	Type	Included Accessories	Covers	Kit SKU	Mockup
<b>Ion™</b>	Surface Mount	-	-	ION-CH-A-1M	
<b>Atlas™</b>	Angled Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover Frosted Cover Matte Cover	ATL-CH-A-CVR-C-1M ATL-CH-A-CVR-F-1M ATL-CH-A-CVR-M-1M	
<b>Gemini™</b>	Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover Frosted Cover Matte Cover	GEM-CH-A-CVR-C-1M GEM-CH-A-CVR-F-1M GEM-CH-A-CVR-M-1M	
<b>Kepler™</b>	Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover Frosted Cover Matte Cover	KEP-CH-A-CVR-C-1M KEP-CH-A-CVR-F-1M KEP-CH-A-CVR-M-1M	
<b>Laika™</b>	Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover Frosted Cover	LAI-CH-A-CVR-C-1M LAI-CH-A-CVR-F-1M	
<b>Nova™</b>	Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Round Cover Clear Square Matte Round Cover Matte Square Cover	NOV-CH-A-CVR-C-RD-1M NOV-CH-A-CVR-C-SQ-1M NOV-CH-A-CVR-M-RD-1M NOV-CH-A-CVR-M-SQ-1M	
<b>Titan™</b>	Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover Frosted Cover Matte Cover	TTN-CH-A-CVR-C-1M TTN-CH-A-CVR-F-1M TTN-CH-A-CVR-M-1M	
<b>Calypso™</b>	Recessed Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Frosted Cover Matte Cover	CAL-CH-A-CVR-F-1M CAL-CH-A-CVR-M-1M	
<b>Cassini™</b>	Recessed Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover Frosted Cover Matte Cover	CAS-CH-A-CVR-C-1M CAS-CH-A-CVR-F-1M CAS-CH-A-CVR-M-1M	

## Safety And Disclosures

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1. Installation must be in accordance with local and national electrical code regulations.
2. To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician.
3. Only install with a Class 2 DC Constant Voltage LED driver to meet UL requirements.
4. Do not install in environment where excessive heat may exist. We encourage the use of a heat sink for heat dissipation purposes when using the UltraBright™ Slim Series LED Strip Light.
5. LED strip lights must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
6. Do not install indoor LED tape light products in outdoor / wet location environments. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
7. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
8. Make sure the appropriate gauge wire is installed between LED driver, LEDs, and any dimmers. When choosing wire, calculate voltage drop, maximum amperage rating, and the location ratings on the wire. Improper wire selection and installation could overheat wires, and cause fire.
9. Do not modify product beyond instructions or warranty will be void.
10. We reserve the right to modify and improve the design of our fixtures without prior notice. Although we try our best to order the same colors every time, due to changes in technology and phosphors over time, we cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

## Warranty Information

### Limited Warranty

This product has a 7 year limited warranty from the date of shipment. This warranty only includes the main product outlined in this specification sheet and does not include the additional accessories that are used as a reference. Complete warranty details for fixtures and additional accessories are available at <https://www.flexfireleds.com/warranties/> within the Policies section. For warranty related questions please contact the product support team at ([support@flexfireleds.com](mailto:support@flexfireleds.com)).

### Consumer's Acknowledgment

Flexfire LEDs, Inc. stands behind its products when they are used properly and according to our specifications. When you purchase our products, you are agreeing to the terms and conditions outlined in our warranty section. We try our best to make recommendations, but the burden of proper installation, design, and maintenance relies on the purchaser. This limited warranty does not include product failures that are the result of: Not using a voltage regulated power supply to connect the LED product or controls; Connecting LED products to the wrong output voltage; Improper connection of power supplies, LED products, or controls; Connecting LED products or controls directly to any AC power source if they are stated for DC only input; Connecting power supplies backwards to an AC power source; Products used in an inappropriate location or in environmental conditions (temperature, humidity, moisture, etc.) outside the normal specified range; Water damage to products not specifically sold as waterproof products; Electrical power surges and spikes; Damage from hail, flooding, tornado, fire, wind, earthquake, lightning, electrical storm, or any other natural disasters or "force majeure" incidences; Damage caused by a vehicle or other accident; Damage caused when transporting the item; Damage to any products that were modified by the user, used for purposes other than as intended or directed, or connected to LED systems or components not purchased from Flexfire LEDs; Products that have been subjected to misuse, mishandling, misapplication or accident. Products used in connection with any components, devices or systems other than those explicitly approved as compatible with Company's products and listed on Company's website. Excessive wear and tear and/or physical or accidental abuse, loss, or theft. Improper repairs or warranty services performed by someone other than Flexfire LEDs will void this warranty.



## Contact Information



**Toll Free Number:**  
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**Local Number:**  
(925) 273-9080



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**FLEXFIRELEDs**

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