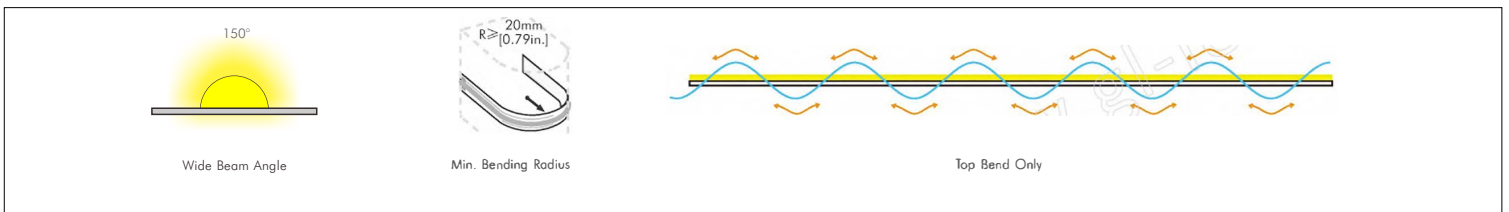
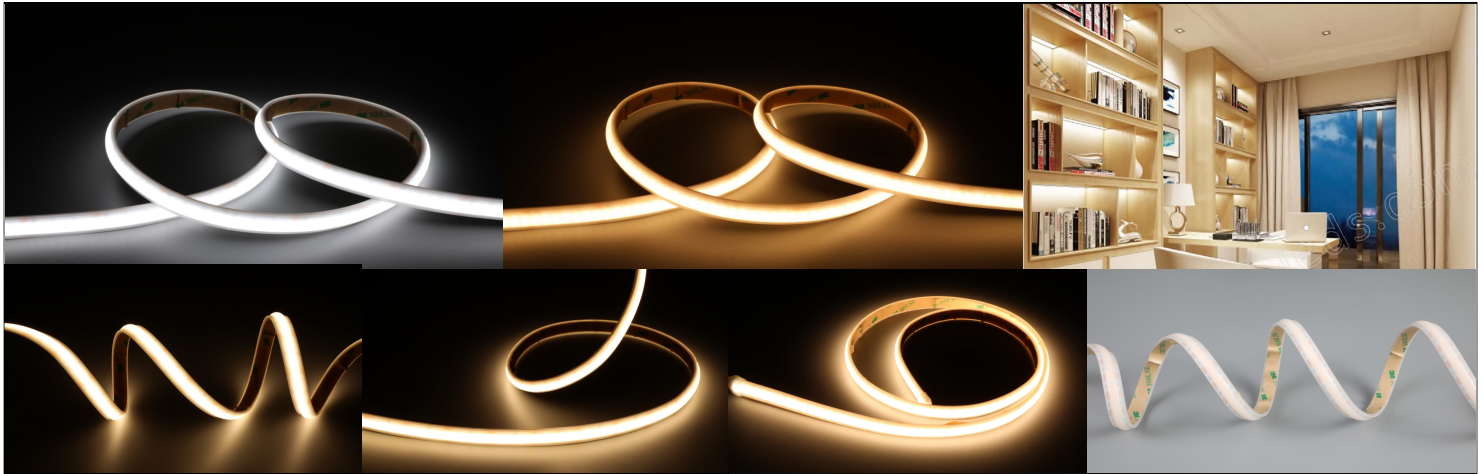


Dot Free Series | Ultra Thin



Application

This flexible, high efficacy dot-free strip is ideal for high-end architectural lighting applications in residential, retail, hospitality and landscape.

Features

- 92 LEDs/foot, the FSFC is High Efficiency and High Density
- Available in 2700k, 3000k, 3500k, 4000k, and 5000k
- 80+ or 90+ CRI
- Lumen Output: 360lm/ft to 800lm/ft
- Able to cut every 1.04" or free cutting
- Max 16.4' or 26.2' run length
- Available in IP67 Wet Location
- Dimmable PWM
- UL listed for indoor dry / wet locations
- Easy Installation featuring 3M adhesive backing
- 50,000 hours rated lifespan

FSFC

Introducing The Smart Lighting Company's newest upgrade to LED Tape technology! Our Dot-Free linear strip is an ultra thin, very flexible top-bend high-performance lighting in a compact form that boasts a wide beam angle and is IP67 rated for indoor or outdoor wet locations. With 92 LEDs per foot, the FSFC is high density and has high efficiency.

Easily customizable with cutting sections every 1.04 inches as well as a free-cutting option and a forward or reverse top-bend. The Dot-free series is dimmable, and compatible with most PWM dimmers. With two options for wattage and lumen output, and five different options for color temperature, the Dot Free series is capable of many different applications and can be fabricated to the specifications of your project.



Specifications and Performance

	FSFC-4.3	FSFC-5.8	FSFC-4.3	FSFC-5.8	FSFC-UL	FSFC-UL
Watts per Foot	4.3	5.8	4.3	5.8	3.66	3.66
Max Run Length	16.4ft	16.4ft	16.4ft	16.4ft	26.2ft	26.2ft
Cutttable	1.04"	1.04"	1.04"	1.04"	Free-cutting	Free-cutting
Lumens per Foot	620lm	800lm	530lm	680lm	360lm	360lm
Lumens per Watt	145lm/w	138lm/w	124lm/w	118lm/w	98lm/w	83lm/w
CRI	80+	80+	90+	90+	80+	90+
Input Voltage	24vdc					
Beam Spread	150°					
LED Lifespan	L70 ≥50,000 @ Tc ≤ 65					
Dimming	PWM					
Dimensions	IP67 (0.47" X 0.18")					
CCT	2700k, 3000k, 3500k, 4000k, 5000k, Red, Green, Blue, Yellow, Orange, Amber, Pink					
Operating Temp	-4°F to 113°F (-20°C to 45°C)					
Ambient Temp	-4°F to 140°F (-20°C to 60°C)					
Environment	IP67					
Warranty	5 Year					
Certifications	CE, UL, RoHS, LM80, TM-21					
LEDs/ft	92 LED's/ ft					
SCDM	3 Step					
Adhesive	3M Adhesive Backing					

Ordering Information

Example: FSFC-xxW/FT-xxK-xxL-xxIP-xxCRI-24VDC

Output - 4.3w/ft - Max run 16.4ft

Part No.	Watts/ft		Color Temp		Length		IP Rating		CRI		Voltage	
	Watts/ft	Watts/ft	Color Temp	Color Temp	Length	Length	IP Rating	IP Rating	CRI	CRI	Voltage	Voltage
FSFC	4.3	4.3w/ft.	27	2700k	16	16.4ft	IP67	Outdoor	80	80+	24	24VDC
			30	3000k						90+		
			35	3500k								
			40	4000k								
			50	5000k								

Output - 5.8w/ft - Max run 16.4ft

Part No.	Watts/ft		Color Temp		Length		IP Rating		CRI		Voltage	
	Watts/ft	Watts/ft	Color Temp	Color Temp	Length	Length	IP Rating	IP Rating	CRI	CRI	Voltage	Voltage
FSFC	5.8	5.8w/ft.	27	2700k	16	16.4ft	IP67	Outdoor	80	80+	24	24VDC
			30	3000k						90+		
			35	3500k								
			40	4000k								
			50	5000k								

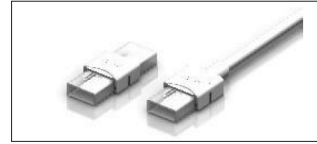
Output - 3.6w/ft - Ultra Long Max run 26.2ft

Part No.	Watts/ft		Color Temp		Length		IP Rating		CRI		Voltage	
	Watts/ft	Watts/ft	Color Temp	Color Temp	Length	Length	IP Rating	IP Rating	CRI	CRI	Voltage	Voltage
FSFC-UL	3.6	3.6w/ft.	27	2700k	26	26.2ft	IP67	Outdoor	80	80+	24	24VDC
			30	3000k						90+		
			35	3500k								
			40	4000k								
			50	5000k								

FSFC Accessories

IP67 Outdoor

- FSFC-SSC67** strip to strip connector, for IP67 static white strip
- FSFC-SSC67** strip to wire connector, for IP67 static white strip
- FSFC-JCC67** jumper cable connector, for IP67 static white strip



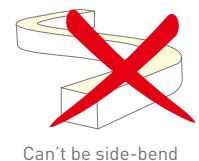
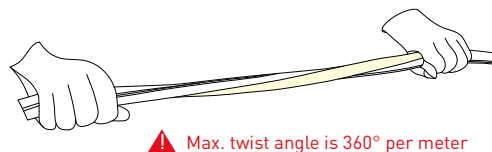
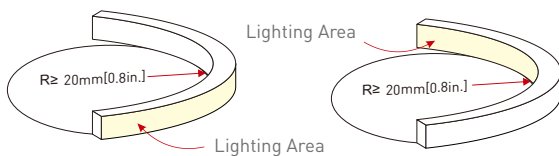
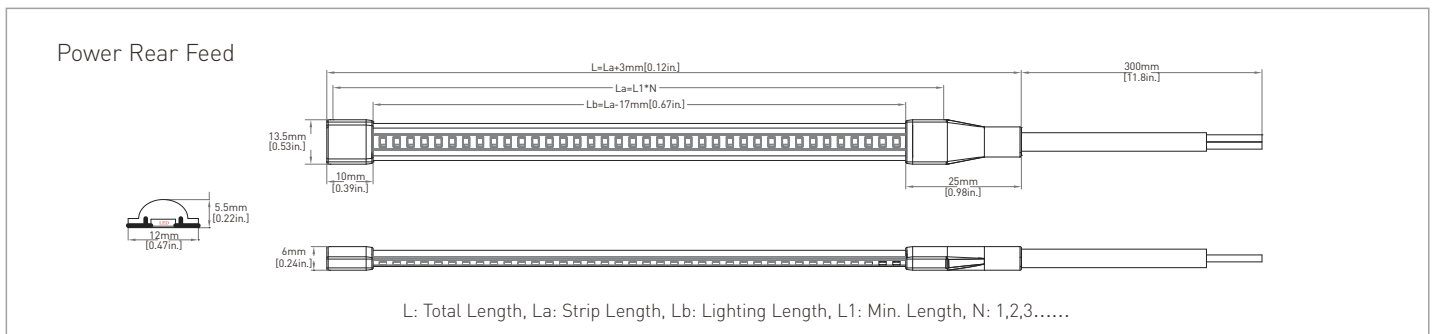
Recommended Power Supplies



Dimmable with PWM

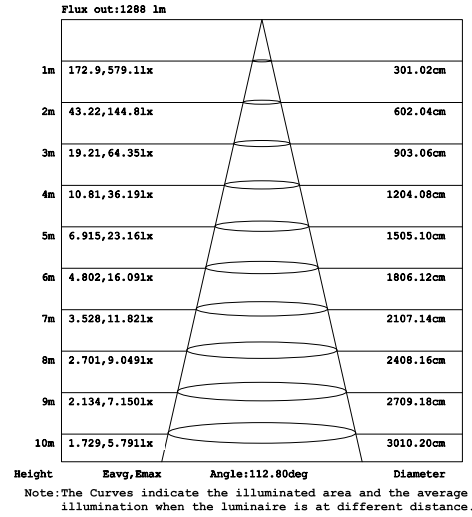
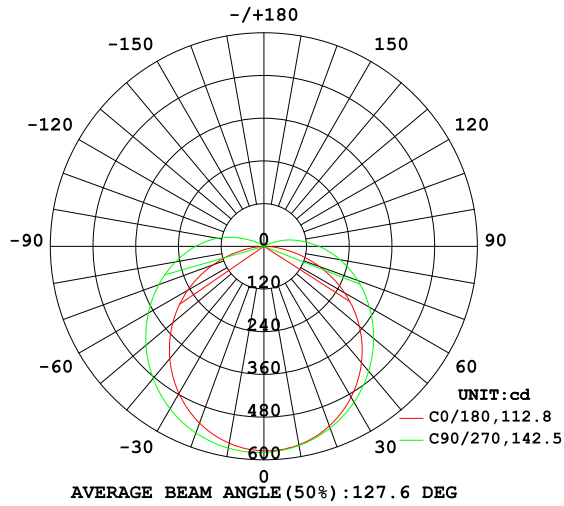
Item Number	Description	Max/Min Load	Input Voltage	Output Voltage	Dimmable	Dimensions
PS-TSLC-UNV-24V-30WDHV2	30W	30W / 3W	100-277V AC	24V DC	Yes*	6.49"L x 3.6"W x 1.02"H
PS-TSLC-UNV-24V-60WDHV2	60W	60W / 6W	100-277V AC	24V DC	Yes*	7.4"L x 3.6"W x 1.02"H
PS-TSLC-UNV-24V-96WDHV2	96W	96W / 9.6W	100-277V AC	24V DC	Yes*	8.66"L x 3.6"W x 1.61"H
PS-TSLC-UNV-24V-288WDHV2	288W (3 x 96W)	288W / 28.8W	100-277V AC	24V DC	Yes*	11.85"L x 4.25"W x 1.8"H

Diagram & Dimensions



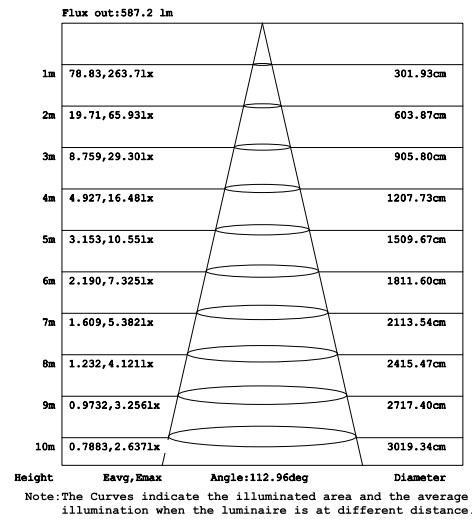
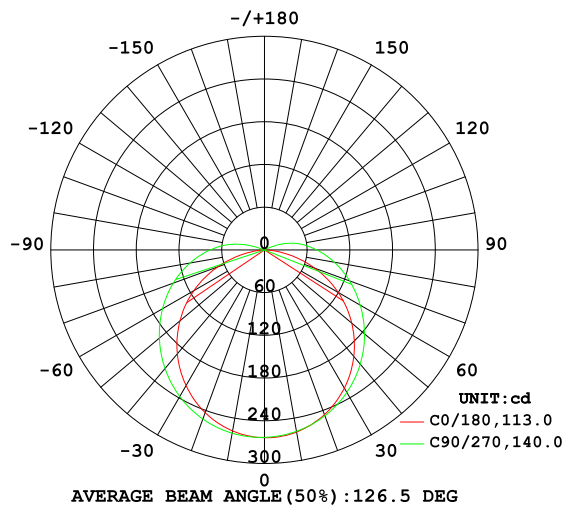
Light Distribution Diagram

FSFC



304LED/M[92LED/ft.], 19W/M[5.8W/ft.], 3000K, CRI90, 1M[3.28ft.]

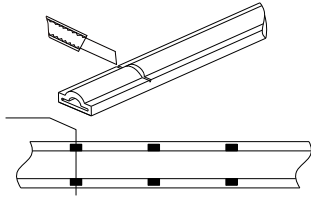
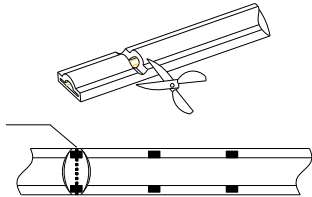
FSFC-UL





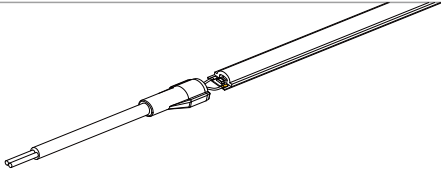
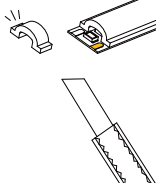
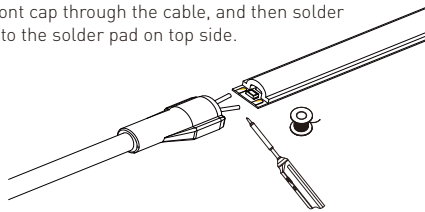
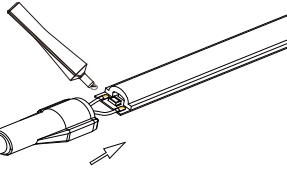
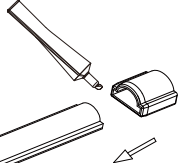
304LED/M[92LED/ft.], 12W/M[3.66W/ft.], 3000K, CRI90, 1M[3.28ft.]

General Characteristics

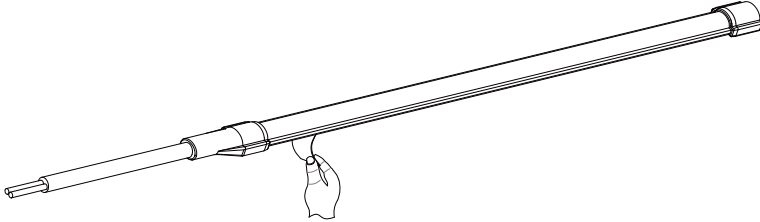
(1) Cutting

 <p>Find the solder pad at the cutting position according to the length requirements, and then cut open the upper silicone jacket with a knife, to align the center of the solder pad. Be careful not to cut the PCBA.</p>	 <p>Bend the strip slightly upwards, and cut it along the inner PCB's cutting line exposed from the opening with scissors.</p>
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(2) Assembly

 <p>Front Cap</p>  <p>End Cap</p>		
	<p>① Cut off the silicone part in 3mm[0.12in.] length.</p> 	<p>② Put the front cap through the cable, and then solder the cable to the solder pad on top side.</p> 
	<p>③ Fill the front cap with glue.</p> 	<p>④ Fill the end cap with glue.</p> 

(3) Installation



Peel off the 3M tape on bottom, and then attach to the mounting surface.