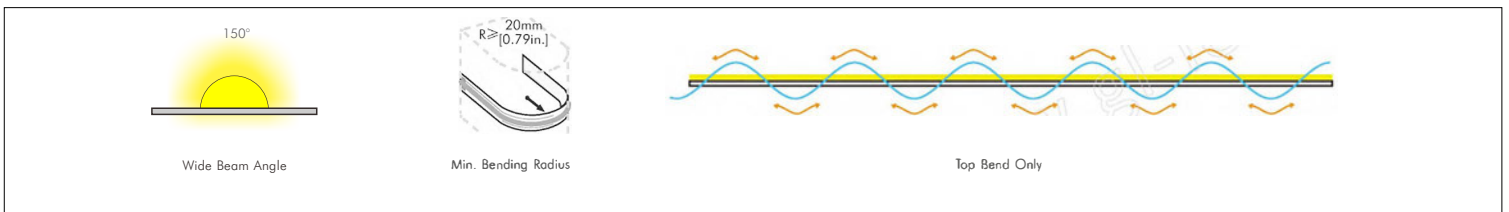
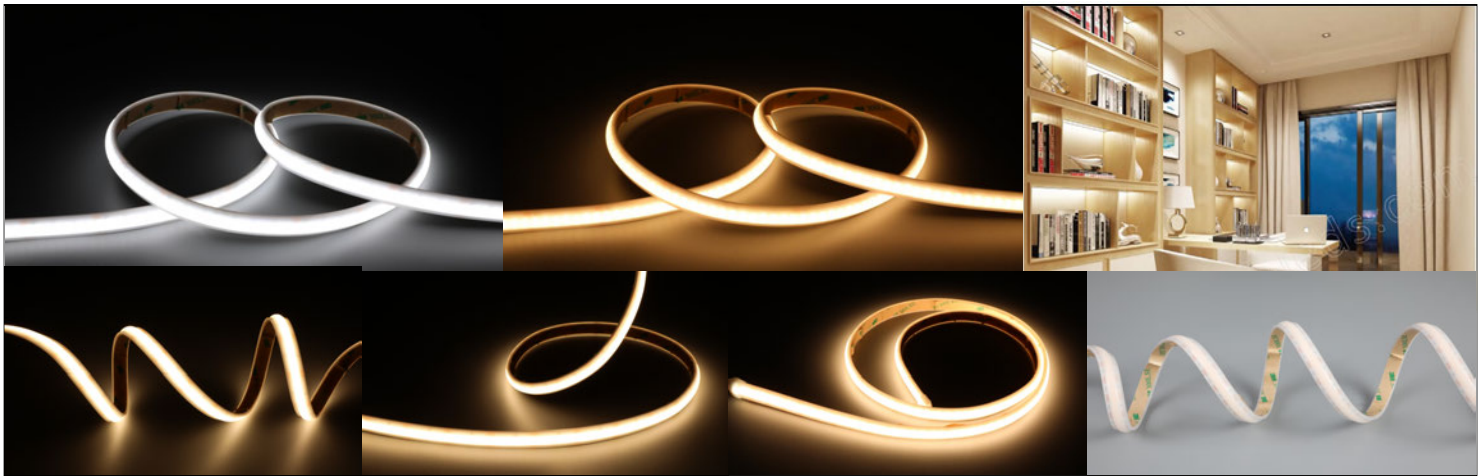


## Dot Free Series | Ultra Thin



### Application

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

### Features

- From 97-126 LEDs/foot, the TDFP-468S is High Efficiency and High Density
- Available in 2700k, 3000k, 3500k, 4000k, and 5000k
- Red, Green, Blue, Yellow, Orange, Amber, Pink
- 90+ CRI
- Lumen Output: 340lm/ft to 470lm/ft
- Field-Cutttable every 1.04" or Free-Cutting
- Max 16.4' run length
- Available in IP67 Wet Location
- Dimmable PWM
- UL listed for outdoor wet locations
- Easy Installation featuring 3M adhesive backing
- 50,000 hours rated lifespan

### TDFP

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 up to 126 LEDs per foot, the TDFP-468S 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 three options for wattage, and many 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

	TDFP-3.1	TDFP-3.7	TDFP-4.3
<b>Watts per Foot</b>	3.1	3.7	4.3
<b>Max Run Length</b>	16.4ft	16.4ft	16.4ft
<b>Cuttable</b>	1.04"	1.04"	1.04"
<b>Lumens per Foot</b>	340lm	400lm	470lm
<b>Lumens per Watt</b>	110lm/w	110lm/w	110lm/w
<b>CRI</b>	90+	90+	90+
<b>Input Voltage</b>	24vdc		
<b>Beam Spread</b>	150°		
<b>LED Lifespan</b>	L70 ≥50,000 @ Tc ≤ 65		
<b>Dimming</b>	PWM		
<b>Dimensions</b>	IP67 (0.39" X 0.2")		
<b>CCT</b>	2700k, 3000k, 3500k, 4000k, 5000k, Red, Green, Blue, Yellow, Orange, Amber, Pink		
<b>Operating Temp</b>	-4°F to 113°F (-20°C to 45°C)		
<b>Ambient Temp</b>	-4°F to 140°F (-20°C to 60°C)		
<b>Environment</b>	IP67		
<b>Warranty</b>	5 Year		
<b>Certifications</b>	CE, UL, RoHS, LM80, TM-21		
<b>LEDs/ft</b>	97 LED's/ ft	112 LED's/ ft	126 LED's/ ft
<b>SCDM</b>	3 Step		
<b>Adhesive</b>	3M Adhesive Backing		

## Ordering Information

Example: TDFP-31-35-16-90-24

Part No.	Watts/ft		Color Temp		Length		CRI		Voltage	
<b>TDFP-468S</b>	<b>31</b>	3.1w/ft.	<b>27</b>	2700k	<b>16 CU</b>	16.4.ft Custom Length	<b>90</b>	90+	<b>24</b>	24 VDC
	<b>37</b>	3.7w/ft.	<b>30</b>	3000k						
	<b>43</b>	4.3w/ft.	<b>35</b>	3500k						
			<b>40</b>	4000k						
			<b>50</b>	5000k						
			<b>R</b>	Red						
			<b>G</b>	Green						
			<b>B</b>	Blue						
			<b>Y</b>	Yellow						
			<b>O</b>	Orange						
			<b>A</b>	Amber						
			<b>P</b>	Pink						

## TDFP Accessories

### Static Accessories

<b>AL-TDFP-SW-WL</b>	11.8" Wire Lead
<b>AL-TDFP-SW-ENDCAPS</b>	Front cap and Terminal cap
<b>AL-TDFP-SW-MCLIP</b>	Mounting Clips
<b>AL-TDFP-SW-MCHANNEL</b>	Mounting Channel and Screw (39" Section)

### Tunable White and RGB Accessories

<b>AL-TDFP-TW-WL</b>	11.8" Wire Lead for Tunable White
<b>AL-TDFPTW-ENDCAPS</b>	Front cap and Terminal cap
<b>AL-TDFP-RGB-WL</b>	11.8" Wire Lead for RGB
<b>AL-TDFP-RGB-ENDCAPS</b>	Front cap and Terminal cap

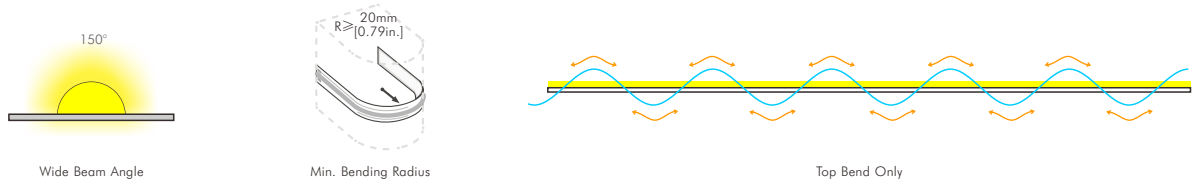
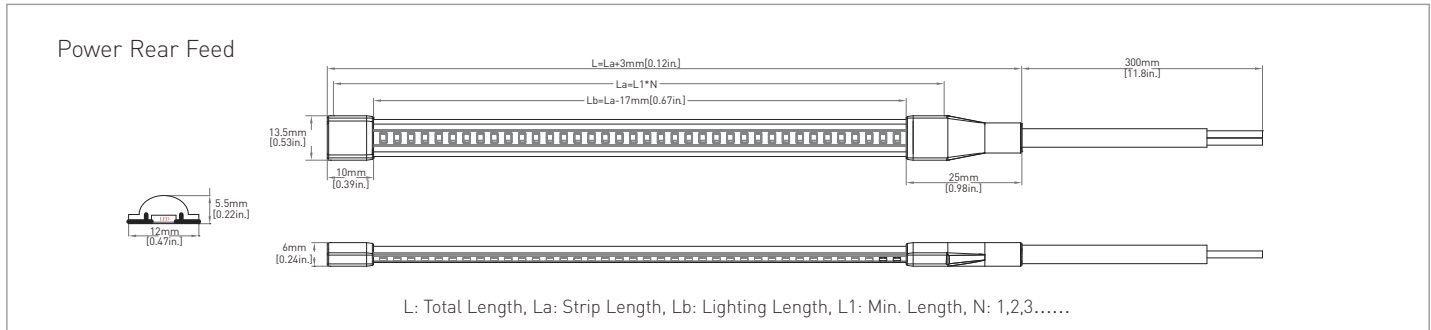
## Recommended Power Supplies

### 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

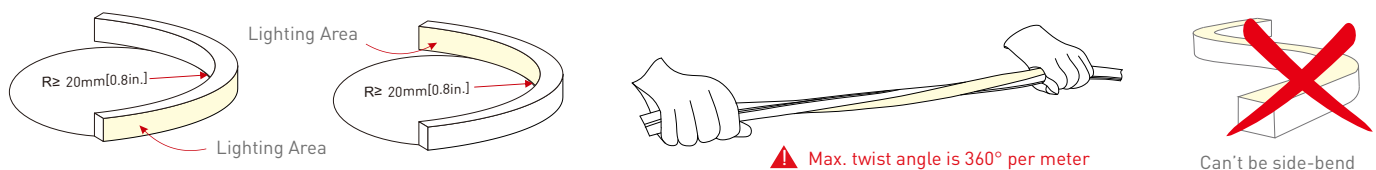
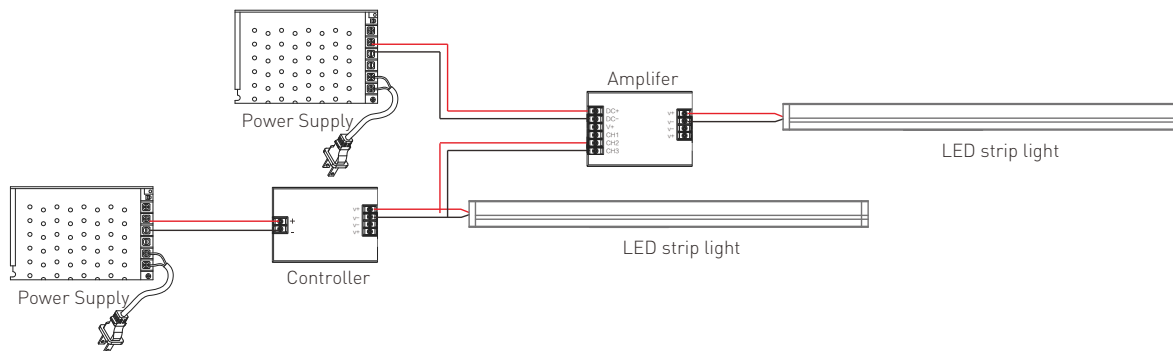


## Connection

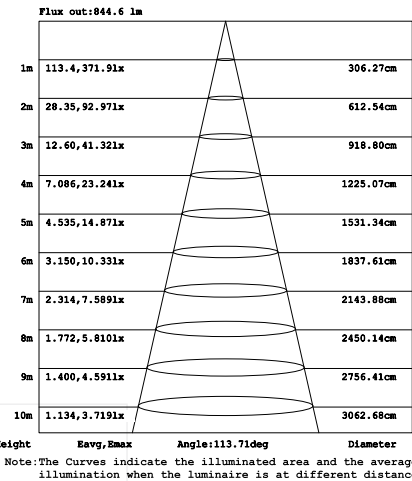
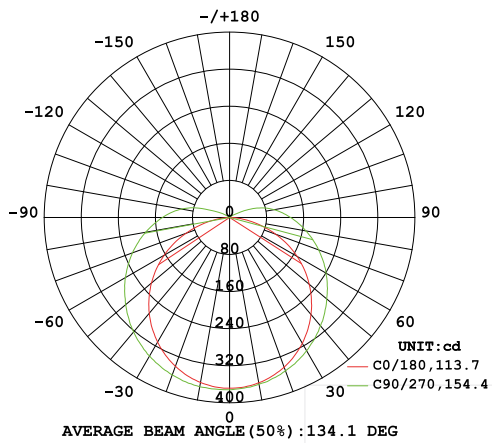
### Non-dimmable Method



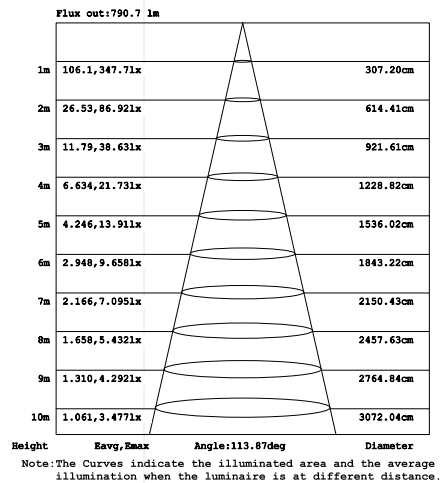
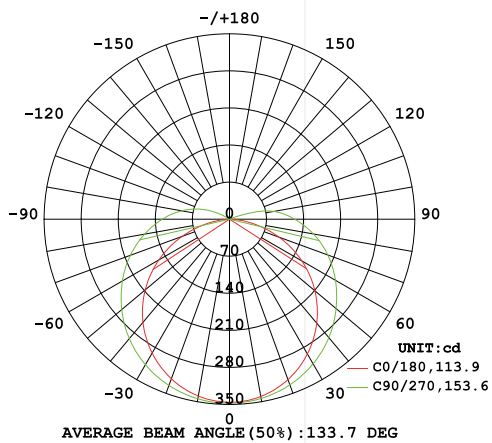
### Dimmable Method



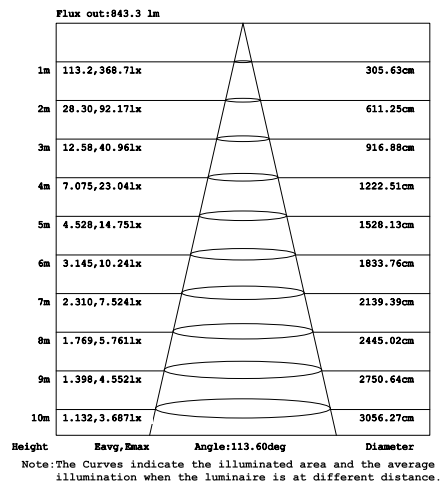
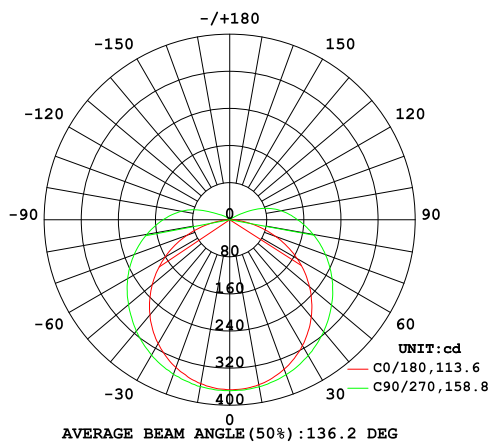
## Light Distribution Diagram



320LED/M[97LED/ft.], 10W/M[3.1W/ft.], 4000K, CRI90, 1M[3.28ft.]



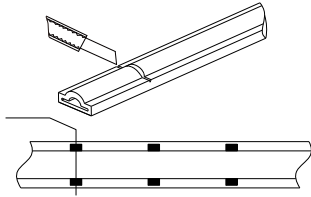
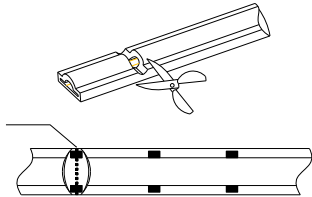
368LED/M[112LED/ft.], 12W/M[3.7W/ft.], 2700K, CRI90, 1M[3.28ft.]





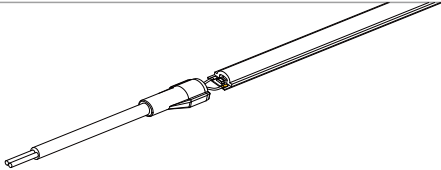
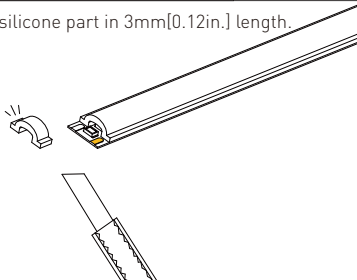
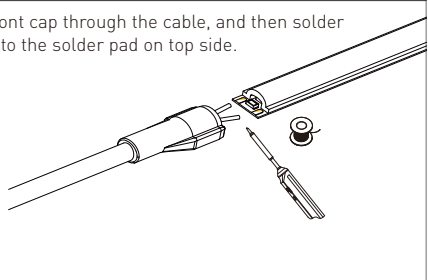
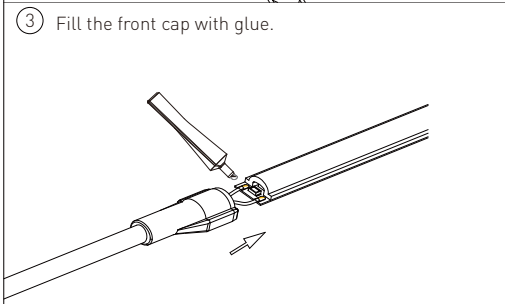
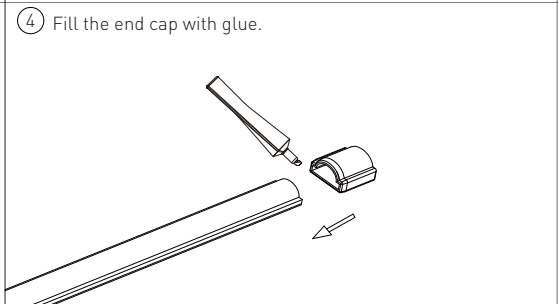
416LED/M[126LED/ft.], 14W/M[4.3W/ft.], 3000K, CRI90, 1M[3.28ft.]

## General Characteristics

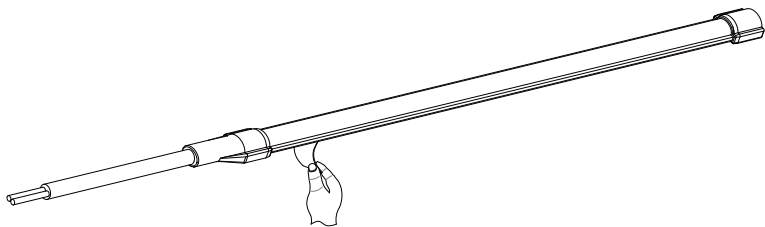
### (1) Cutting

 <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.