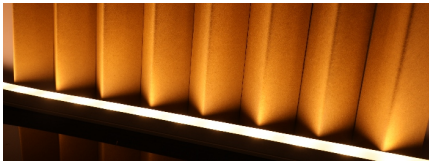


WALL GRAZE SERIES | RGBW Dual Bend Flexible Wall Washer



Application

Hospitality, Landscape, Architecture
Ideal for indirect architectural lighting applications for wall grazing, wall washing, and architectural facades



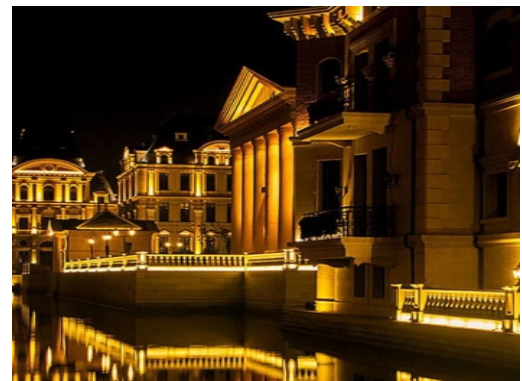
Features

- Dual bend flexible strip
- Available in RGBW, RGBW DMX
- 80+ or 90+ CRI
- Lumen output -250-370lm/ft
- 16.4ft max run lengths
- Cuttable every 9.84"
- Easy installation featuring 3M adhesive backing
- DMX and PWM controllable
- IP67 and UL Listed for indoor dry/wet locations
- 50,000 hours rated life

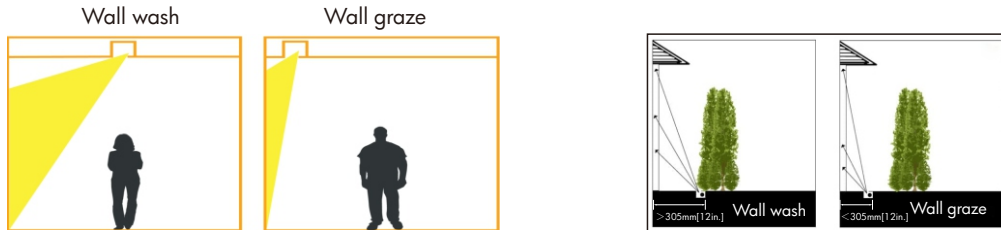
FNS-DBWW

Introducing The Smart Lighting Company's newest upgrade to LED Tape technology! Our Dual Bend Flexible Wall Washer Series is economical, high performance lighting in a compact form that boasts multiple beam angles and is IP67 rated for indoor or outdoor wet locations. With over 7.5 watts per foot, the Dual Bend wall washer has excellent brightness and color consistency. Made with a silicone jacket, endcap and cable, high grade appearance, soft bend flexibility, strong impact resistance, high tear resistance and high weather resistance.

Easily customizable with cutting sections every 9.84 inches and a side bend or top bend. The Flexible Wall Washer is dimmable, DMX controllable, and has 5 options for beam angles. The Flexible Wall Washer can be used in many different applications and can be fabricated to the specifications of your project.



Wall washing is a lighting technique that places the fixture far enough away from the wall plane to uniformly light it up from top to bottom. The effect is a smooth “wash” that has been traditionally used to hide imperfections and eliminate shadows, while putting an emphasis on the vertical surface, making smaller spaces perceptually feel larger. Using this method outdoors, it can add depth to architectural features and provide true ambience. Different from washing, wall grazing is the method of positioning a fixture close to a wall in order to highlight its special texture and architectural character - this makes materials such as natural stone, wood, fabric, etched glass, polished stone, and mosaic tiles the focal point of the space. Wall grazing really works well at skimming the surface of a wall from a narrow angle to bring out the beauty of a wall’s special material and features.



Specifications and Performance

Flexible Wall Washer/Grazer

Watts per Foot	7.62
Max Run Length	16.4ft
Cutttable	Factory cut per 9.84”
Lumens per Foot	RGBW: 370lm CRI80, 350lm CRI 90 RGBW-DMX: 290lm CRI80, 270lm, CRI90
Pixel Segment	4 pixels/3.28ft., 4 addresses/pixel
Input Voltage	24vdc
Beam Spread	25°, 40°, 50°, 25x50°, 45x30°
CRI	80+, 90+
LED Lifespan	L70 ≥50,000 @ Tc ≤ 65
Control	DMX 512, DMX RDM
Dimensions	1.34"x 0.98"
CCT	RGBW
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	Wet Location - IP67 & IK 07
Warranty	3 Year
Certifications	CE, UL, RoHS
LEDs/ft	7 LED's/ ft
SCDM	5 Step
Mounting	Flat brackets, Adjustable brackets, or Aluminum profile

FNS-DBWW SERIES ORDERING INFORMATION

Ordering

Example: FNS-DBWW-RGBWD-25-16-24-90

Part No.	CCT		Beam Angle		Length		Voltage		CRI	
FNS-DBWW	RGBW	RGBW	25	25°	16	16.4ft	24	24vdc	80	80+
	RGBWD	RGBW DMX	40	40°	CU	Custom Length			90	90+
			50	50°		cut by factory				
			25x50	20x50°		or in the field				
			45x30	45x30°						

Mounting Accessories

- FNS-DBWW-FB** Flat Bracket
- FNS-DBWW-AB** Adjustable bracket
- FNS-DBWW-AP** Aluminum profile

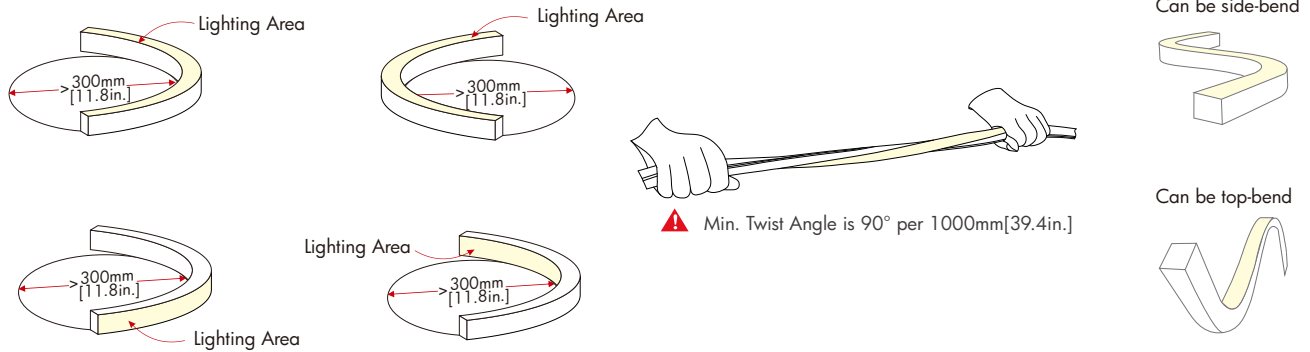
Recommended Power Supplies

Dimmable with 0-10v, ELV, MLV, TRIAC

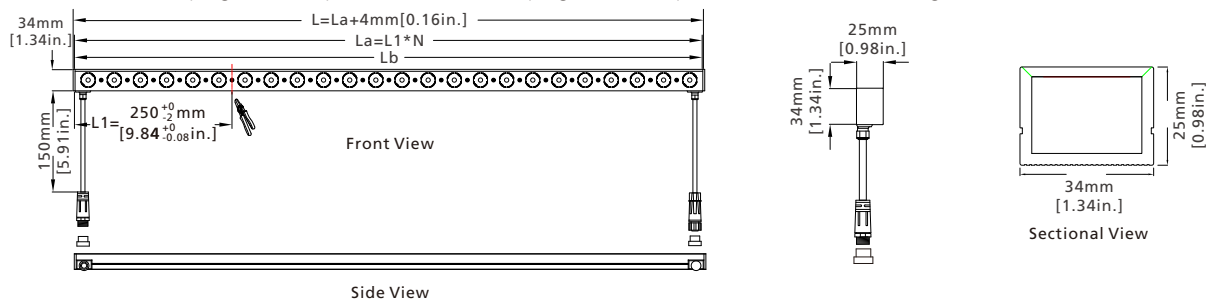
Item Number	Description	Max/Min Load	Input Voltage	Output Voltage	Dimmable	Dimensions
PS-TSLC-UNV-24V-30WDHV2	30W	30W / 3W	100-277V AC	24V DC	Yes*	6.49"L x 3.6"W x 1.02"H
PS-TSLC-UNV-24V-60WDHV2	60W	60W / 6W	100-277V AC	24V DC	Yes*	7.4"L x 3.6"W x 1.02"H
PS-TSLC-UNV-24V-96WDHV2	96W	96W / 9.6W	100-277V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



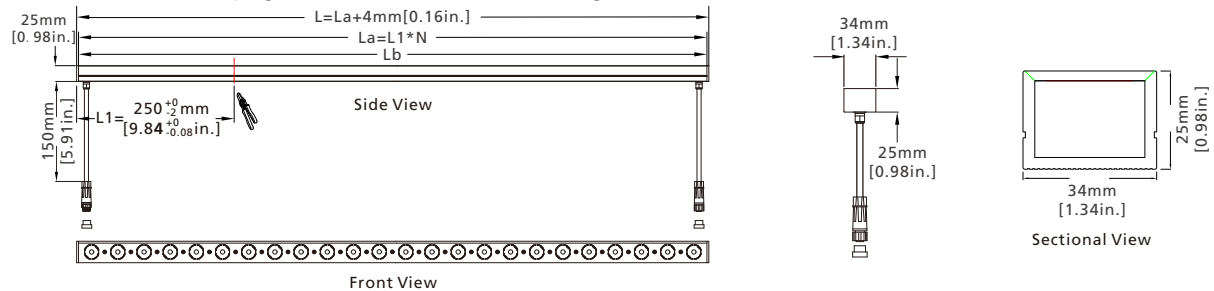
Diagram & Dimensions



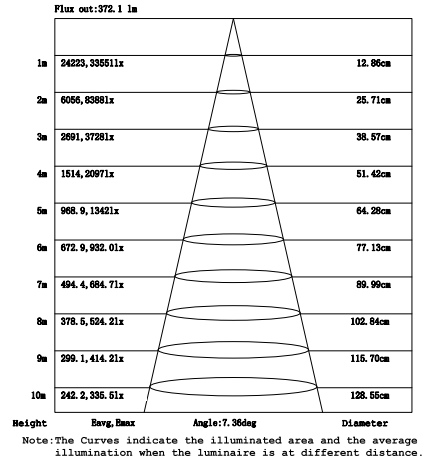
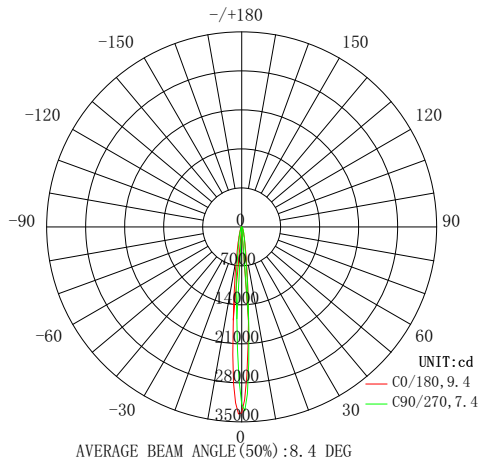
Power in Side Feed (male plug on the input side and female plug on the output side as standard configuration)



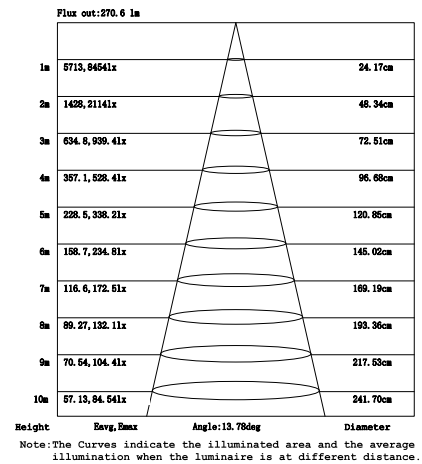
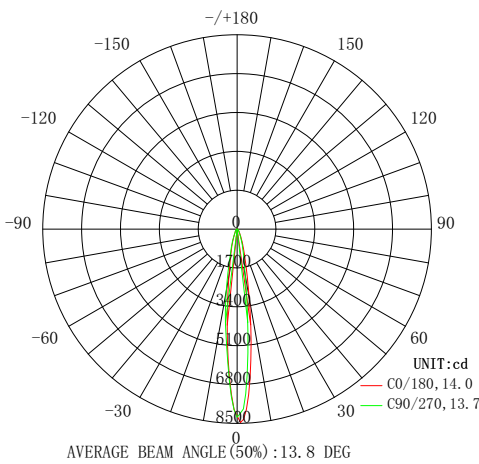
Power in Bottom Feed (female plug on both sides as standard configuration)



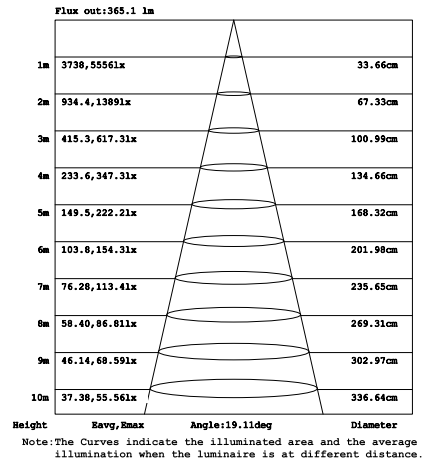
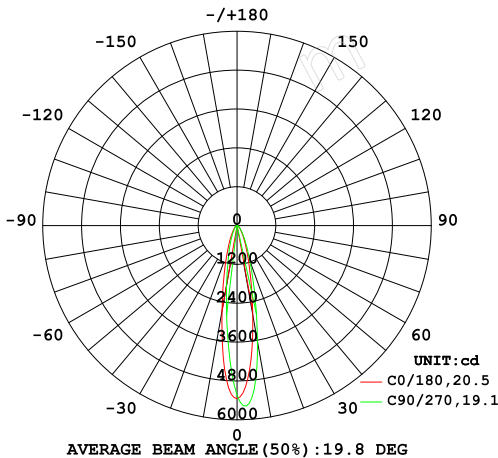
Light Distribution



White Jacket, White, 3000K, 25W/M[7.62W/ft.], CRI80, 10°

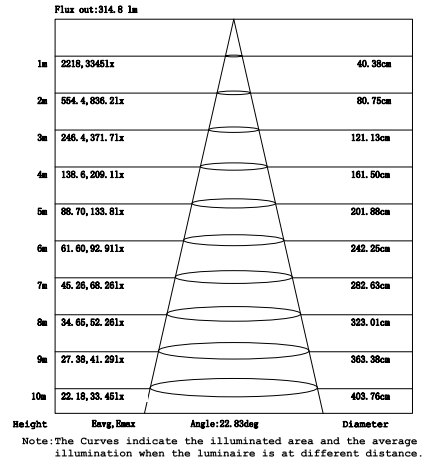
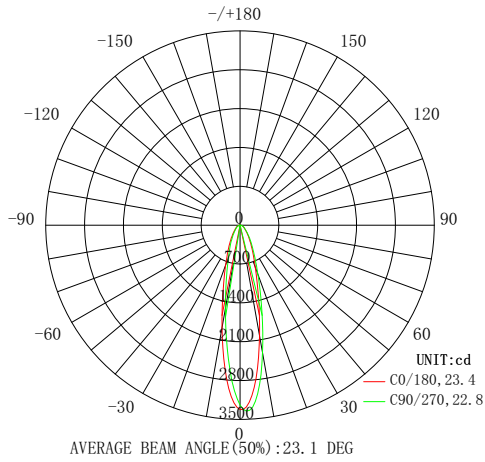


White Jacket, White, 3000K, 25W/M[7.62W/ft.], CRI80, 15°

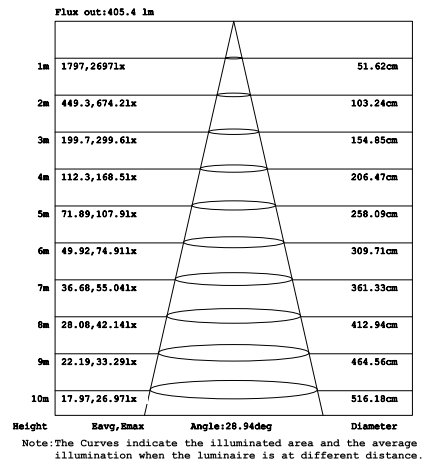
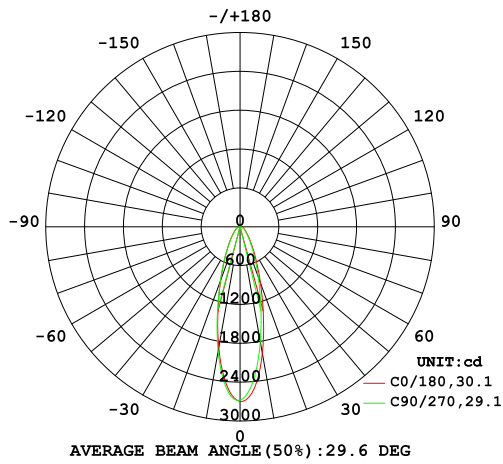


White Jacket, White, 4000K, 25W/M[7.62W/ft.], CRI80, 20°

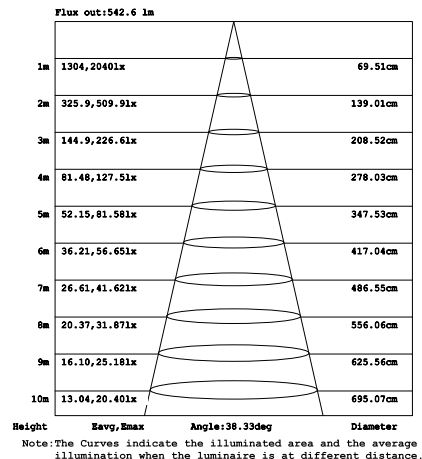
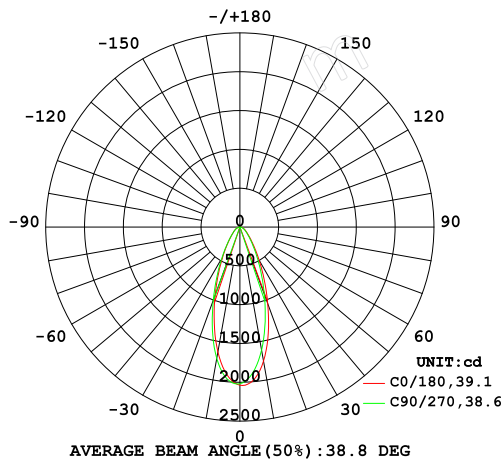
Light Distribution



White Jacket, White, 4000K, 25W/M[7.62W/ft.], CRI80, 25°

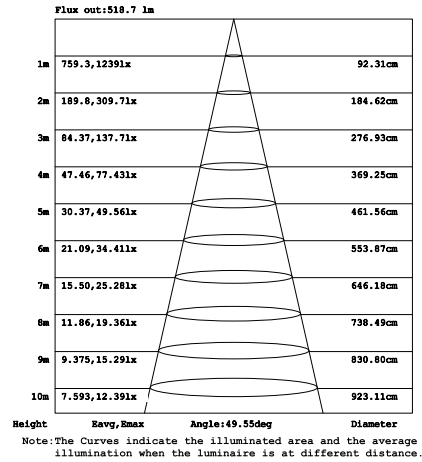
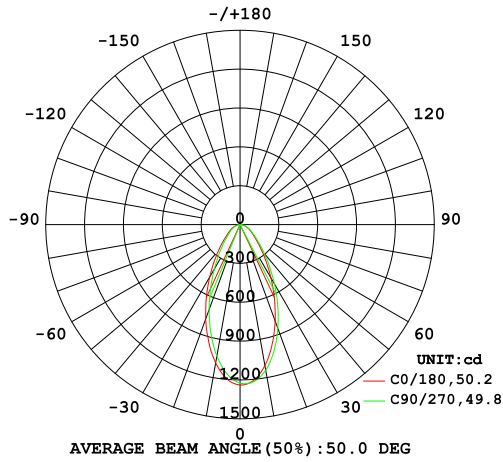


White Jacket, White, 4000K, 25W/M[7.62W/ft.], CRI80, 30°

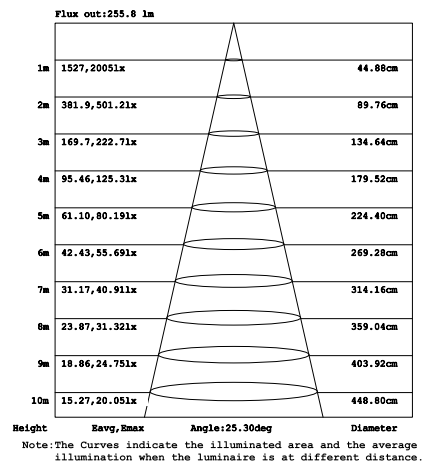
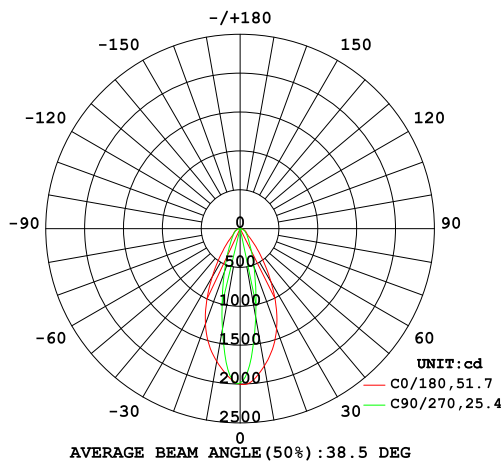


White Jacket, White, 4000K, 25W/M[7.62W/ft.], CRI80, 40°

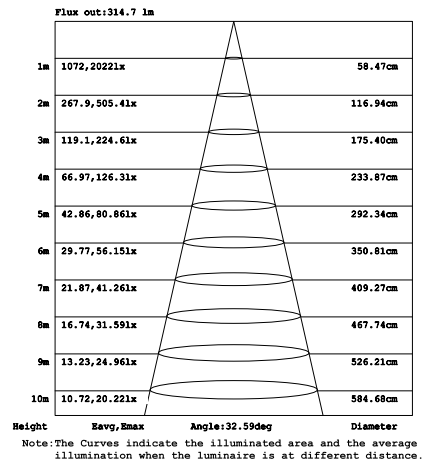
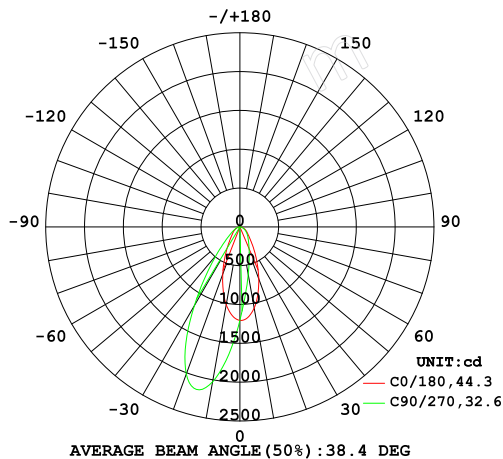
Light Distribution



White Jacket, White, 4000K, 25W/M[7.62W/ft.], CRI80, 50°



White Jacket, White, 4000K, 25W/M[7.62W/ft.], CRI80, 25°*50°



White Jacket, White, 4000K, 25W/M[7.62W/ft.], 45°*30° (polarizing angle 15°)

Installation

Surface mounting or flush mounting by bracket, aluminum channel or rotatable bracket.

Fixed by bracket and screw

Groove size is shown as below

Surface Mounting Flush Mounting

Fixed by aluminum profile and screw

Groove size is shown as below

Surface Mounting Flush Mounting

Fixed by rotatable bracket and screw, together with bracket or aluminum channel.

Max. 90° reverse rotate Horizontal Max. 45° forward rotate

On ground On wall On ceiling

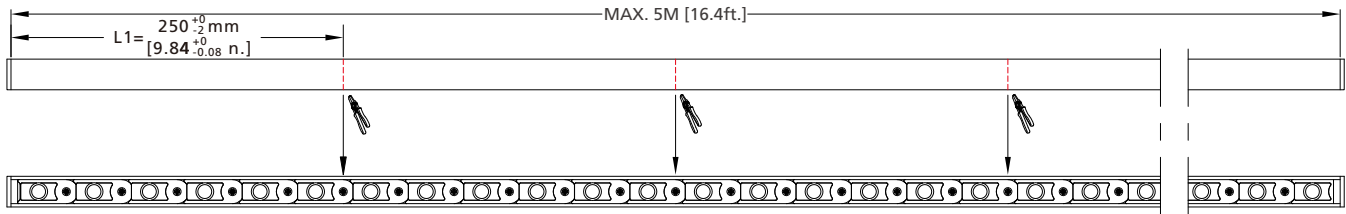
Surface Mounting

* considering the elasticity of the product itself, there are some restrictions when using the rotatable bracket for side-bend installation.

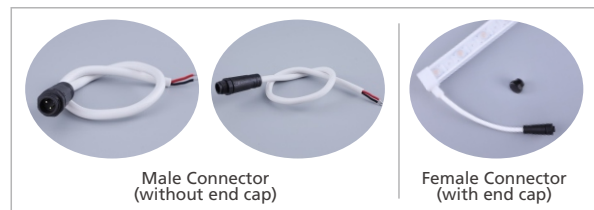
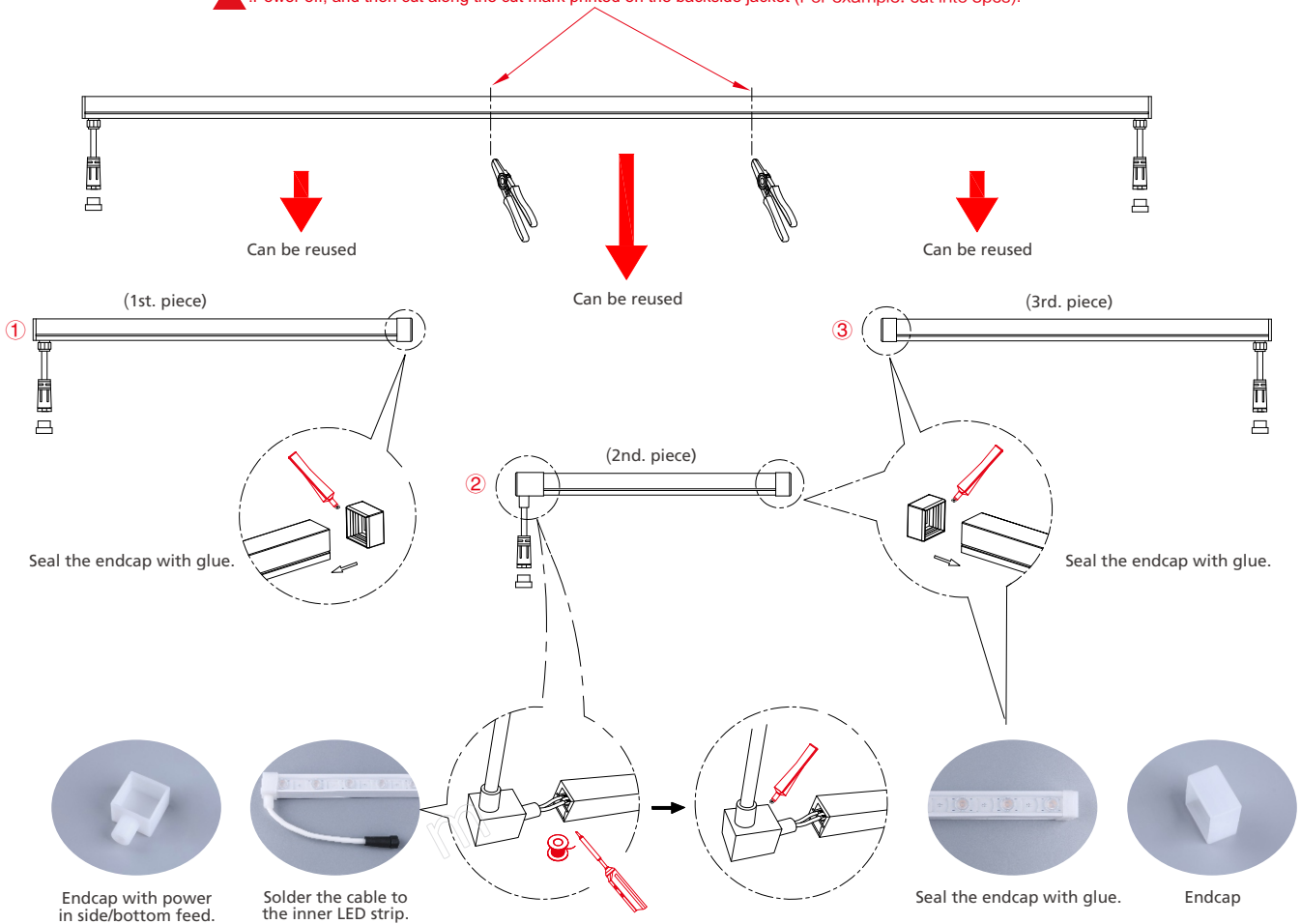
- (1) or bending diameter >1000mm[39.4in.], all arcs and circles corresponding to any radian can be made.
- (2) or bending diameter 500~1000mm[19.7~39.4in.], only arcs corresponding to radian below 120° can be made.
- (3) or bending diameter <500mm[39.4in.], no arc corresponding to any radian can be made.

Cutting and Assembly

[By default, the product is cut in the factory and shipped in a fixed length according to customer requirements. If you have to do cutting and assembly on site, we can provide some front caps and end caps (all sections can be used). But please note that, the waterproof rating will be reduced from IP67 to IP65.]



▲ :Power off, and then cut along the cut mark printed on the backside jacket (For example: cut into 3pcs).



(Cable with female connector on both input and output side is standard configuration, for more convenient subsequent cutting and processing.)

Installation

Surface mounting or flush mounting by bracket, aluminum channel or rotatable bracket.

Fixed by bracket and screw

Groove size is shown as below

Surface Mounting Flush Mounting

Fixed by aluminum profile and screw

Groove size is shown as below

Surface Mounting Flush Mounting

Fixed by rotatable bracket and screw, together with bracket or aluminum channel.

Max. 90° reverse rotate Horizontal Max. 45° forward rotate

On ground On wall On ceiling

Surface Mounting

* considering the elasticity of the product itself, there are some restrictions when using the rotatable bracket for side-bend installation.

- (1) or bending diameter > 1000mm[39.4in.], all arcs and circles corresponding to any radian can be made.
- (2) or bending diameter 500~1000mm[19.7~39.4in.], only arcs corresponding to radian below 120° can be made.
- (3) or bending diameter < 500mm[39.4in.], no arc corresponding to any radian can be made.

Connection

DMX - Single Color, Dual Colors and Four Colors

