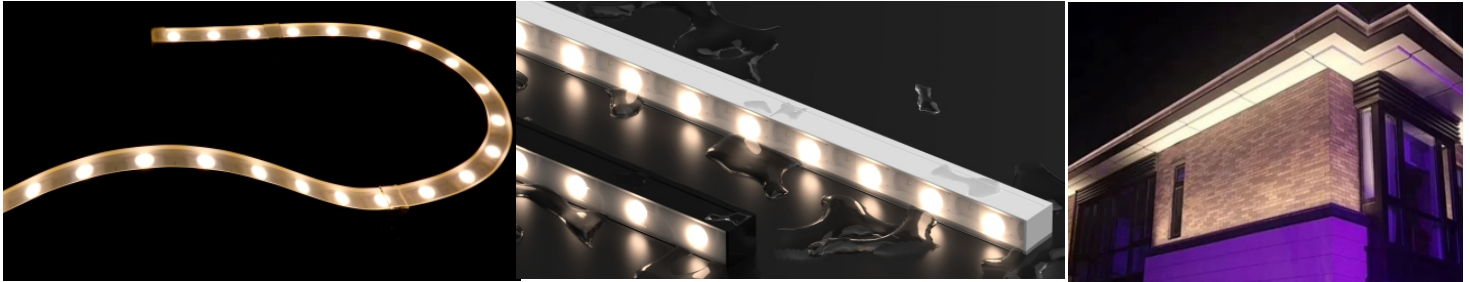
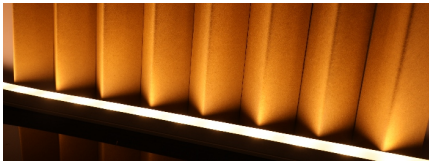


WALL GRAZE SERIES | Dual Bend Flexible Wall Grazer/Wall Washer



Application

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



FNS-DBWW

Introducing The Smart Lighting Company's newest upgrade to LED Tape technology! Our Dual Bend Flexible Wall Grazer/ Wall Washer Series is economical, high performance lighting in a compact form that multiple wall graze and wash beam angle and is IP67 rated for indoor or outdoor wet locations. With over 7.5 watts per foot, the Flex Grazer is high density and has high efficiency.

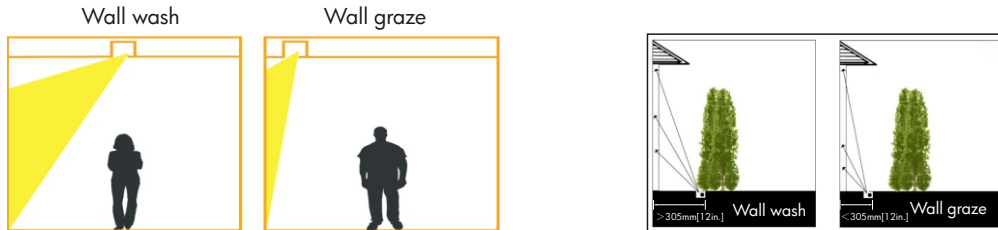
Easily customizable with cutting sections every 9.84 inches and a side bend or top bend. The Flex Grazer is dimmable, and compatible with most ELV and TRIAC dimmers. With three options for color temperature and 9 options for beam angle, the Flex Grazer can be used in many different applications and can be fabricated to the specifications of your project.

Features

- Dual bend flexible strip
- Available in 2700k, 3000k, and 4000k
- 80+ or 90+ CRI
- Lumen output -760lm/ft
- 16.4ft max run lengths
- Cuttable every 9.84"
- Easy installation featuring 3M adhesive backing
- Dimmable (5-100%) with most ELV, TRIAC dimmers
- IP67 and UL Listed for indoor dry/wet locations
- 50,000 hours rated life



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
Cuttable	9.84"
Lumens per Foot	760lm CRI80, 650lm CRI 90
Lumens per Watt	100lm/w
Input Voltage	24vdc
Beam Spread	10°, 15°, 20°, 25°, 30°, 40°, 50°, 25x50°, 45x30°
CRI	80+, 90+
LED Lifespan	L70 ≥50,000 @ Tc ≤ 65
Dimming	PWM
Dimensions	1.34"x 0.98"
CCT	2700k, 3000k, 3500k, 4000k, 5000k
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 - P67
Warranty	5 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-40-25-16-24-90

Part No.	CCT		Beam Angle		Length		Voltage		CRI		
FNS-DBWW	27	2700k	10	10°	16	16.4ft	24	24vdc	80	80+	
	30	3000k	15	15°							
	40	4000k	20	20°	CU	Custom Length <i>cut by factory or in the field</i>				90	90+
			25	25°							
			30	30°							
			40	40°							
			50	50°							
			25x50	20x50°							
			45x30	45x30°							

Custom Cut Orders can take 2-4 Weeks for Order Processing & Delivery

Mounting Accessories

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

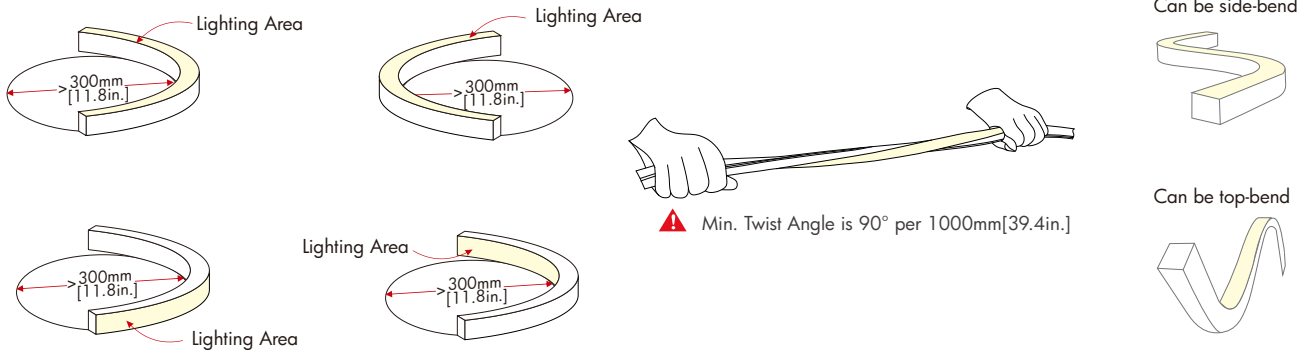
Recommended Power Supplies

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

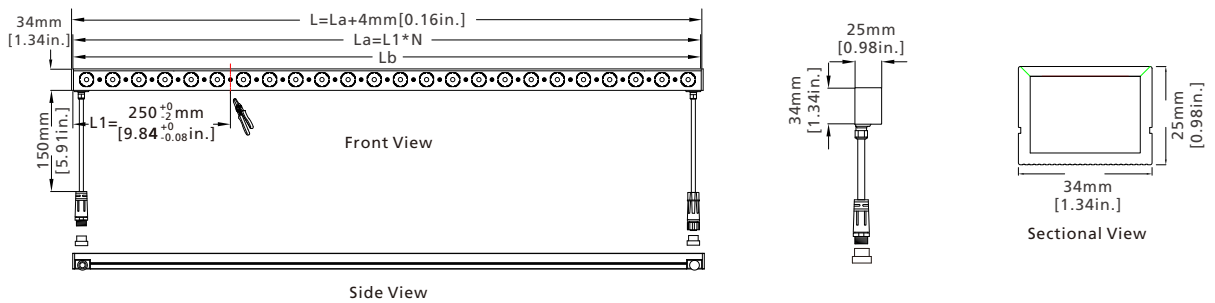
Item Number	Description	Max/Min Load	Input Voltage	Output Voltage	Dimmable	Dimensions
PS-TSLC-UNV-24V-30WDHV2	30W	30W / 3W	100-277V AC	24V DC	Yes*	6.49"L x 3.6"W x 1.02"H
PS-TSLC-UNV-24V-60WDHV2	60W	60W / 6W	100-277V AC	24V DC	Yes*	7.4"L x 3.6"W x 1.02"H
PS-TSLC-UNV-24V-96WDHV2	96W	96W / 9.6W	100-277V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



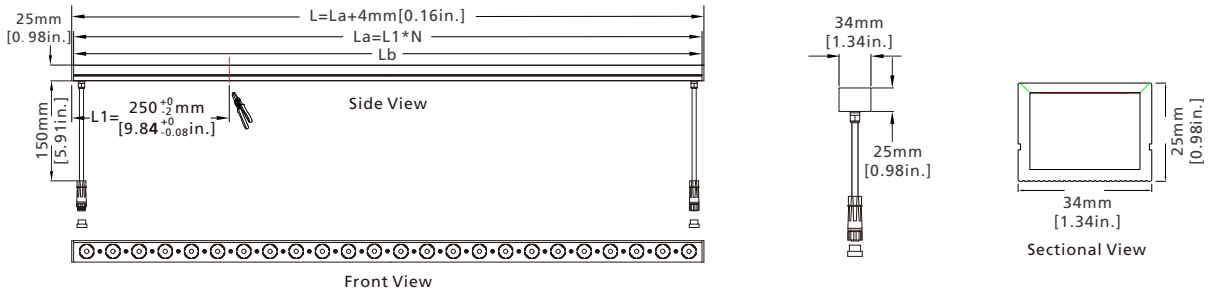
Diagram & Dimensions



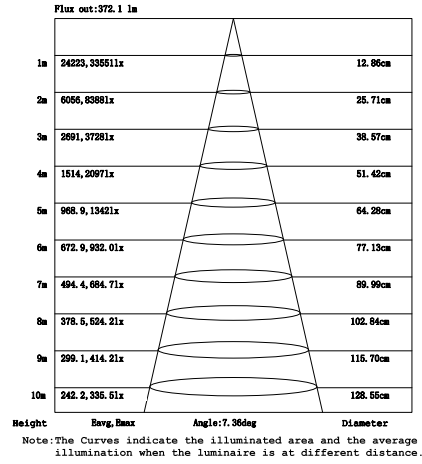
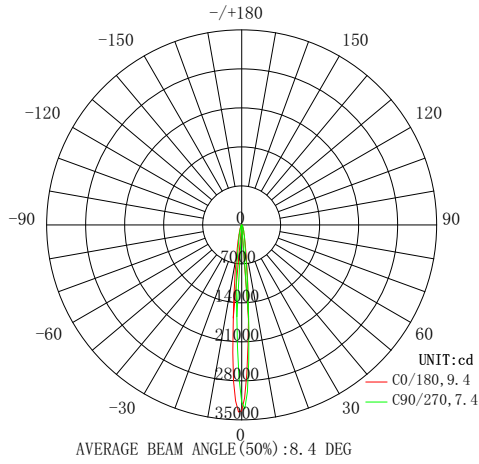
Power in Side Feed (male plug on the input side and female plug on the output side as standard configuration)



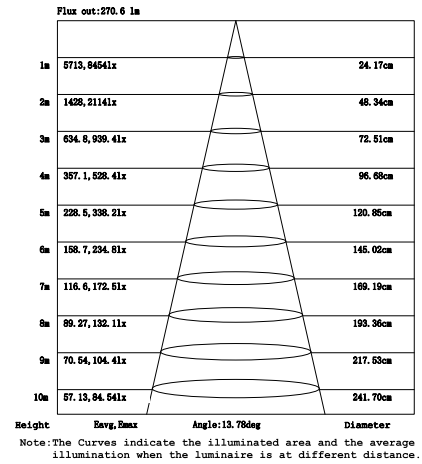
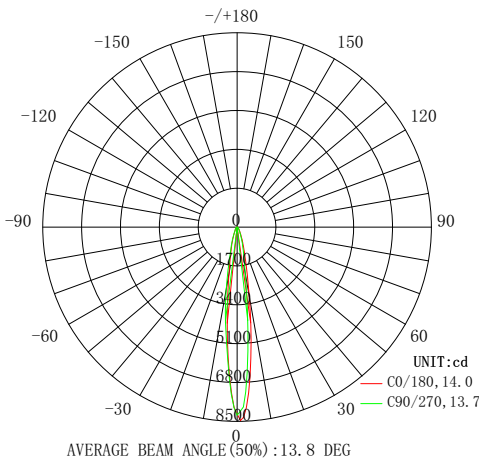
Power in Bottom Feed (female plug on both sides as standard configuration)



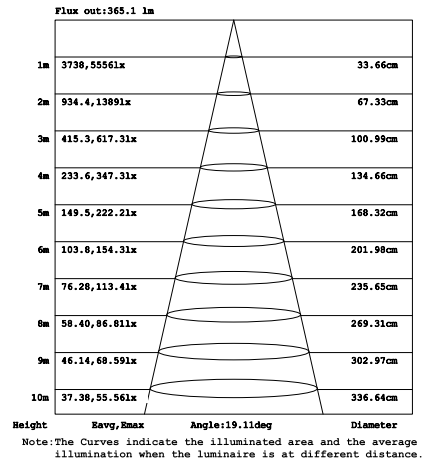
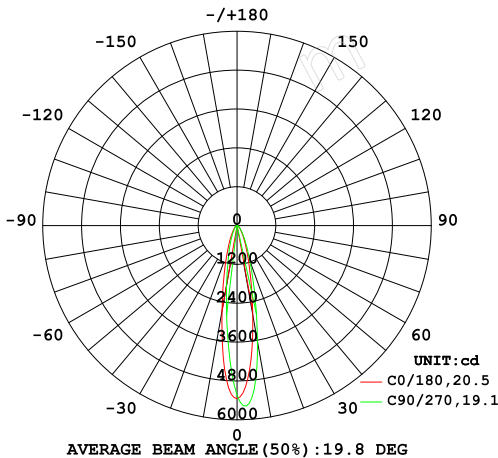
Light Distribution



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

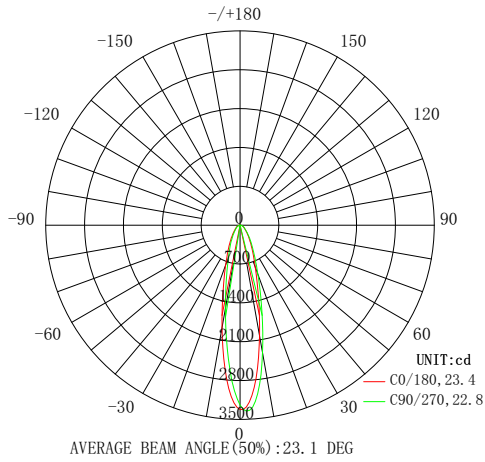


White Jacket, White, 3000K, 25W/M[7.62W/ft.], CRI80, 15°

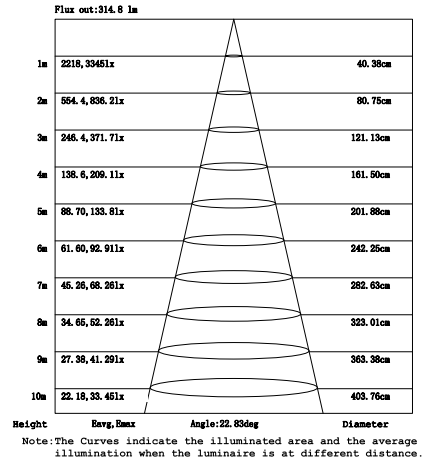


White Jacket, White, 4000K, 25W/M[7.62W/ft.], CRI80, 20°

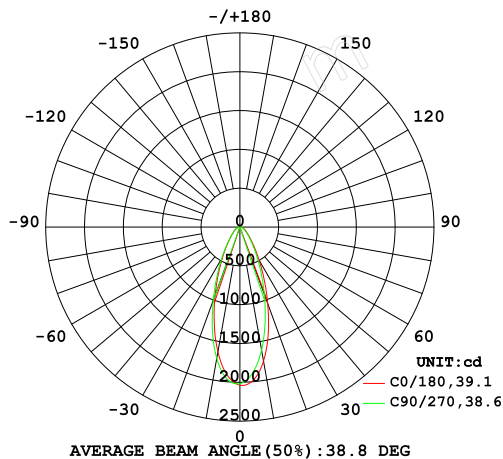
Light Distribution



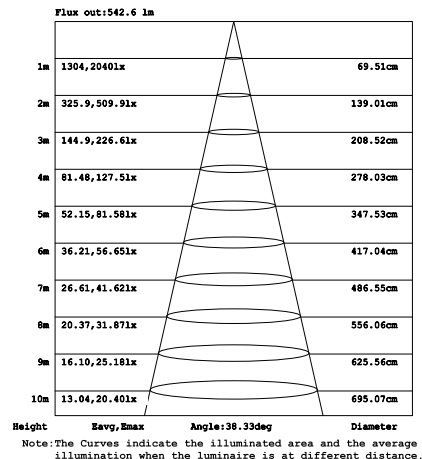
White Jacket, White, 4000K, 25W/M[7.62W/ft.], CRI80, 25°



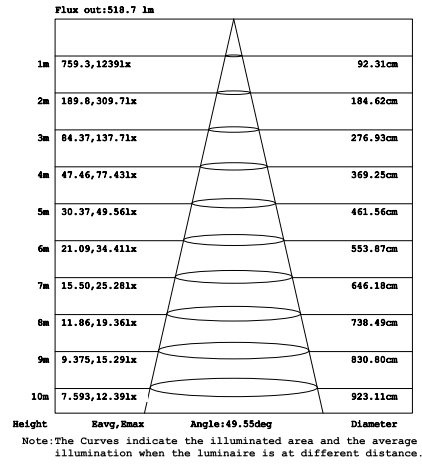
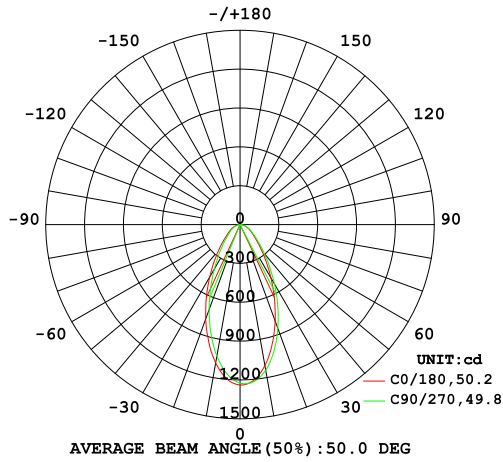
White Jacket, White, 4000K, 25W/M[7.62W/ft.], CRI80, 30°



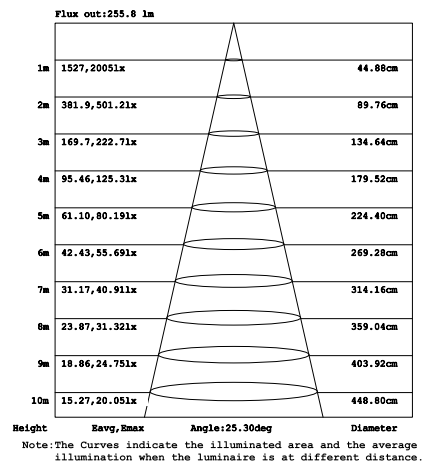
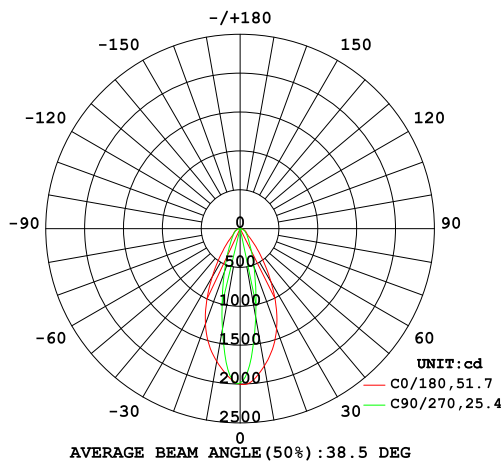
White Jacket, White, 4000K, 25W/M[7.62W/ft.], CRI80, 40°



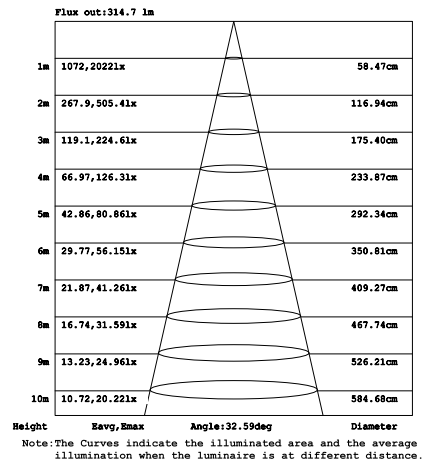
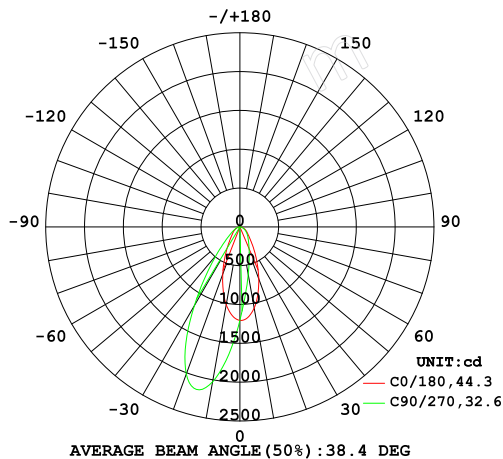
Light Distribution



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



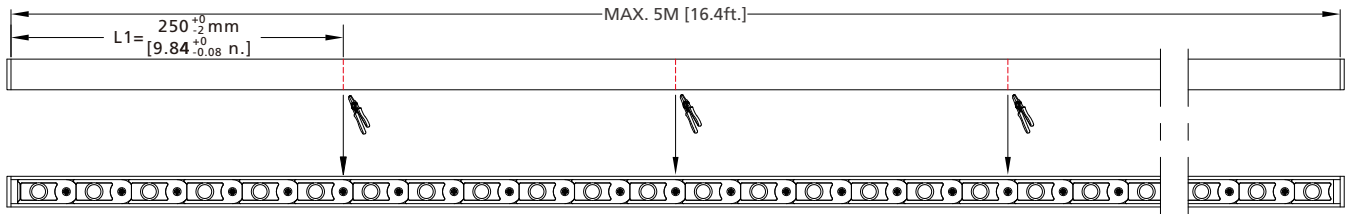
White Jacket, White, 4000K, 25W/M[7.62W/ft.], CRI80, 25°*50°



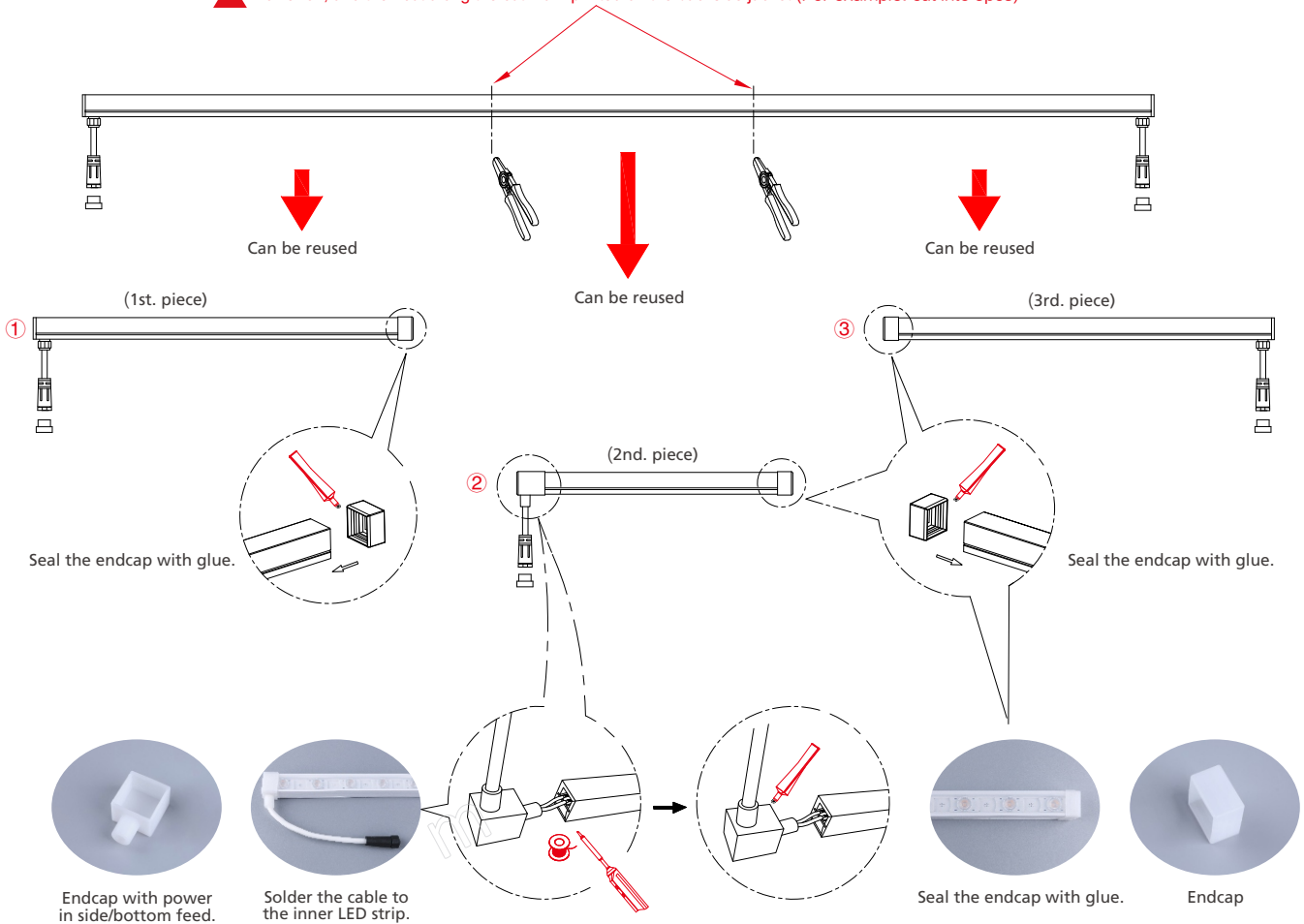
White Jacket, White, 4000K, 25W/M[7.62W/ft.], 45°*30° (polarizing angle 15°)

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

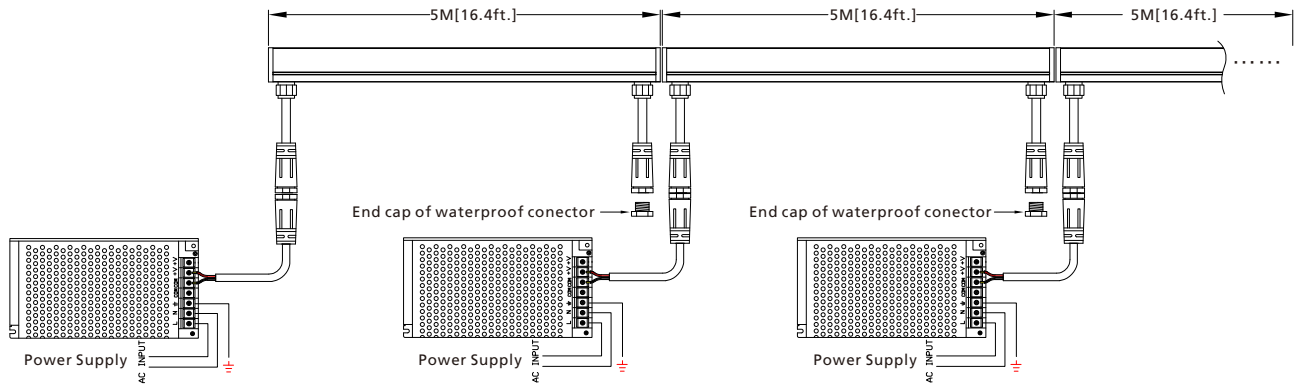
Surface Mounting

* 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

Non-Dimming



Dimming

