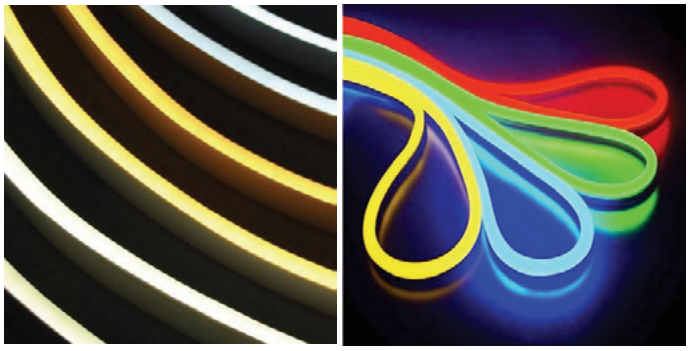
WieDaMark

Top Bend & Side Bend Silicon Flex Neon

Plus Series

Top-Bend & Side-Bend



IP RATE	SKETCH MAP	FEATURE
IP20 DC Series	LED / FPC	Non-Waterproof
IP54 DC Series	LED / PU/SILICON GLUE / FPC	Anti Splash Water Tiny Size Changed Glue Dripping Process
IP65 DC Series	LED / SILICON TUBE / FPC	Anti Spray Water Tiny Color Shift Silicon Tube Process
IP67 DC Series	LED / PU/SILICON GLUE / SILICON TUBE / FPC	Immerse In Water For Short Time U-Shape Tube+Glue Pouring Process
IP68 DC Series	LED / PU/SILICON GLUE / SILICON TUBE / FPC	Immerse In Water For Long Time Π-Shape Tube+Glue Injected Process
IP54 Plus DC Series	LED / EXTRUSIVE SILICON TUBE / FPC	Anti Splash Water Tiny Size Changed No Color Shift Silicon Extrusion Process In Molding
IP67 Plus DC Series	LED / EXTRUSIVE SILICON TUBE / FPC	Immerse In Water For Short Time No Color Shift Silicon Extrusion Process In Molding
IP68 Plus DC Series	LED / EXTRUSIVE SILICON TUBE / FPC	Immerse In Water For Long Time Silicon Extrusion Process In Molding
Indoor/ Outdoor AC Series	LED / PVC TUBE / FPC	Anti Splash/Spray Water Tiny Color Shift PVC Extrusion Process In Molding

Feature

1. Plus Series using top quality material, such as Epistar chip.
2. Seamless, uniform and comfortable lighting up to 20M run length illumination.
3. Advanced silicon extrusion process makes high grade appearance, more flexible bend, strong impact resistant IK07, high weather resistance and small color shift after seal.
4. Dimmable available.
5. Indoor usage in IP40 basically, outdoor usage in IP65 rating with additional gluing process.
6. Supporting on field accurate cutting operation with visual mark from clear window.
7. 50,000h long lifespan, 5 years warranty, UL & TUV-CE approval.

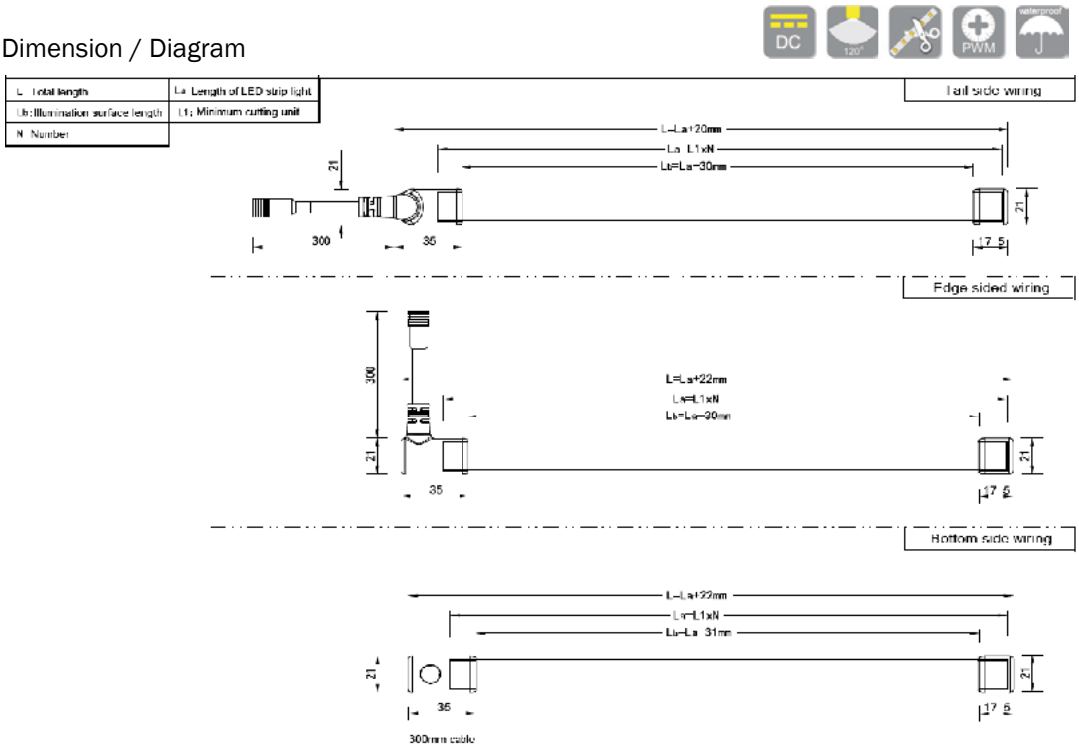
Application

1. Decoration for showcase, advertising, displayer board.
2. Lighting for hotel, garden, bridge.
3. Corridor, ceiling, stair, path way.
4. Signage, architecture lighting.

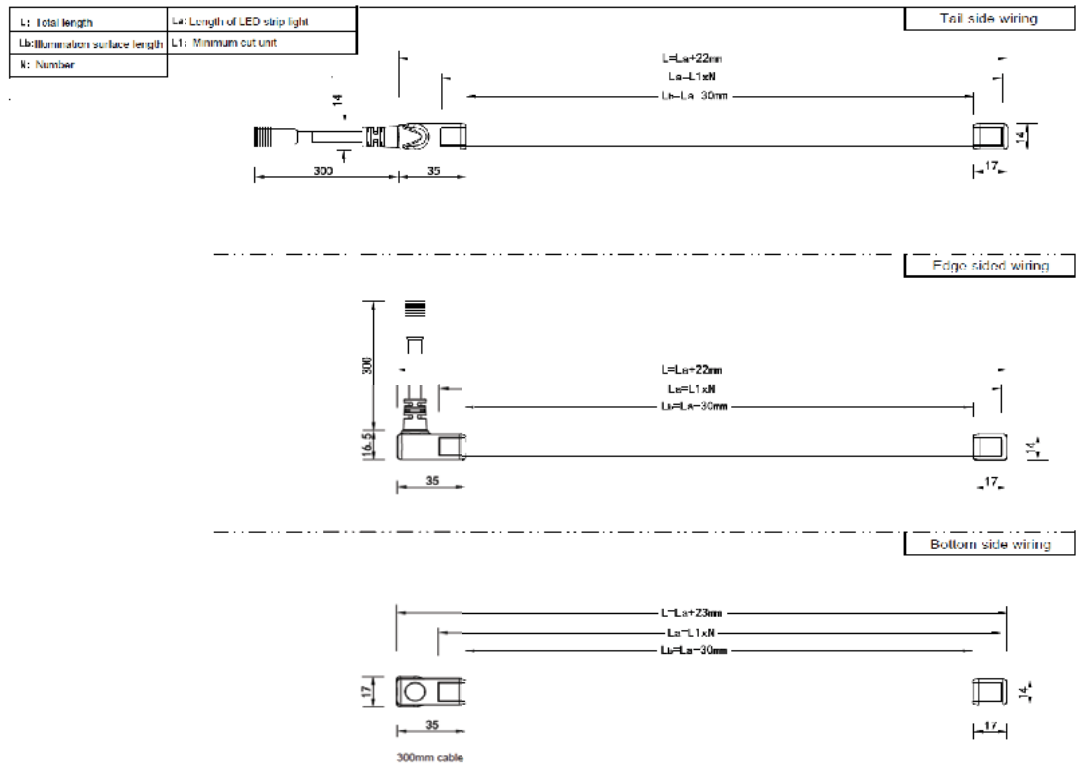
c UL us CE RoHS

Top Bend & Side Bend Silicon Flex Neon

Dimension / Diagram



(Top-Bend)



(Side-Bend)

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Top Bend & Side Bend Silicon Flex Neon

(LED driving method: constant current with IC)

Part No.	Dimension	Standard Length (La)	Min. Unit (L1)	LED Type	Material/ Color	LED QTY (La)	IP Rate	Application Condition	Lifespan	Warranty
Top-Bend (White)	W16*H15mm	5M	50mm	SMD2835	silicon extrusion	120LED/M	IP40 / IP65	(Operating Ambient) Ta: -20~45℃ RH: <75% (Installation Ambient) Ta: 0~45℃	50,000h (L70B50@ Tc<65℃, Tc is the temp. of LED pin)	5 years
		10M								
Side-Bend (White)	W10*H20mm	5M		SMD3014						
		10M								
Top-Bend (Red/Green/Blue/ Yellow/Orange/Pink/ Amber/Purple)	W16*H15mm	5M/10M		SMD3528						
Side-Bend (Red/Green/Blue/ Yellow/Orange/Pink/ Amber/Purple)	W10*H20mm	5M/10M		SMD3528						

Photoelectric Parameters

(LED driving method: constant current with IC)

Part No.	Power ±10% (La)	Operating Voltage	LED Current	IP20	CRI80, 3000K		CRI90, 3000K	CRI95, 3000K	Beam Angle
				LED CCT / Wavelength	Luminous Flux ±10% (La)	Light Efficiency (La)	Luminous Flux±10% (La)	Luminous Flux±10% (La)	
Top-Bend (White)	14W/M	24VDC	30mA	2700~6500K	800lm/M	58lm/W			120°/180°
	9W/M		20mA		540lm/M	60lm/W			
Side-Bend (White)	14W/M		30mA	2700~6500K	600lm/M	43lm/W			120°/240°
	9W/M		20mA		405lm/M	45lm/W			
Top-Bend (Red)	9W/M		20mA	620~630nm	200lm/M		\	\	120°/180°
Side-Bend (Red)	9W/M		20mA		110lm/M		\	\	120°/240°
Top-Bend (Green	9W/M		20mA	520~530nm	500lm/M		\	\	120°/180°
Side-Bend (Green	9W/M		20mA		250lm/M		\	\	120°/240°
Top-Bend (Blue)	9W/M		20mA	460~470nm	120lm/M		\	\	120°/180°
Side-Bend (Blue)	9W/M		20mA		60lm/M		\	\	120°/240°
Top-Bend (Yellow)	9W/M		20mA	580~590nm	80lm/M		\	\	120°/180°
Side-Bend (Yellow)	9W/M		20mA		60lm/M		\	\	120°/240°
Top-Bend (Orange)	9W/M		20mA	600~610nm	80lm/M		\	\	120°/180°
Side-Bend (Orange)	9W/M		20mA		60lm/M		\	\	120°/240°
Top-Bend (Pink)	9W/M		20mA		310lm/M		\	\	120°/180°
Side-Bend (Pink)	9W/M		20mA		230lm/M		\	\	120°/240°
Top-Bend (Amber)	9W/M		20mA	1500~1700K	580lm/M		\	\	120°/180°
Side-Bend (Amber)	9W/M		20mA		430lm/M		\	\	120°/240°
Top-Bend (Purple)	9W/M		20mA	390~410nm	10lm/M		\	\	120°/180°
Side-Bend (Purple)	9W/M		20mA		7lm/M		\	\	120°/240°

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Top Bend & Side Bend Silicon Flex Neon

(LED driving method: limited current with resistor)

Part No.	Dimension	Standard Length (La)	Min. Unit (L1)	LED Type	Material/ Color	LED QTY (La)	IP Rate	Application Condition	Lifespan	Warranty
Top-Bend (White)	W16*H15mm	5M	50mm	SMD2835	silicon extrusion	120LED/M	IP40 / IP65	(Operating Ambient) Ta: -20~45℃ RH: <75% (Installation Ambient) Ta: 0~45℃	50,000h (L70B50@ Tc<65℃, Tc is the temp. of LED pin)	5 years
		10M								
		20M								
Side-Bend (White)	W10*H20mm	5M		SMD3014						
		10M								
		20M								
Top-Bend (Red/Green/Blue/ Yellow/Orange/Pink/ Amber/Purple)	W16*H15mm	5M/10M		SMD3528						
		20M								
Top-Bend (Red/Green/Blue/ Yellow/Orange/Pink/ Amber/Purple)	W10*H20mm	5M/10M		SMD3528						
		20M								

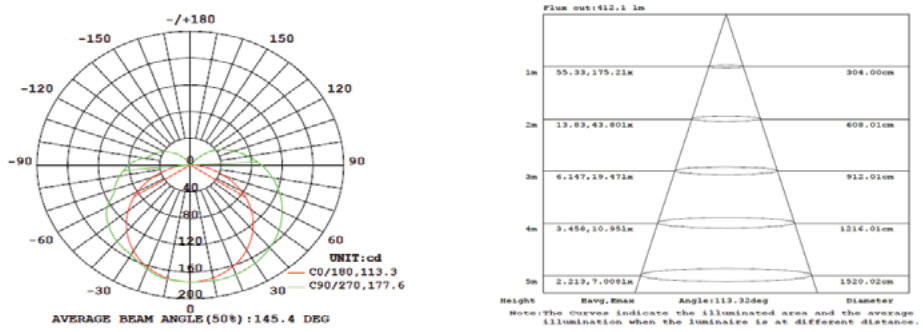
Photoelectric Parameters

(LED driving method: limited current with resistor)

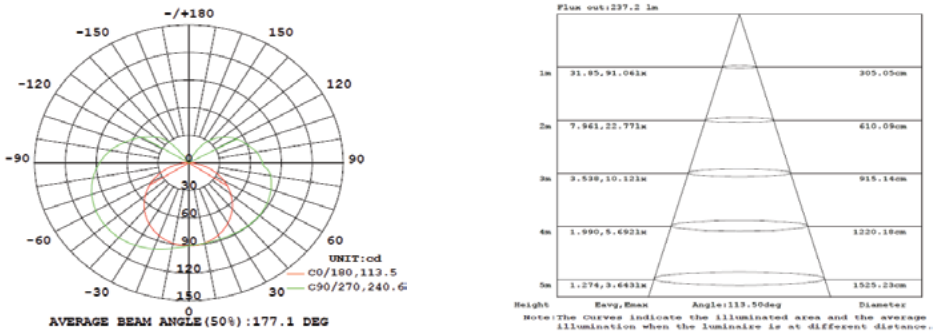
Part No.	Power ±10% (La)	Operating Voltage	LED Current	IP20	CRI80, 3000K		CRI90, 3000K	CRI95, 3000K	Beam Angle
				LED CCT / Wavelength	Luminous Flux ±10% (La)	Light Efficiency (La)	Luminous Flux±10% (La)	Luminous Flux±10% (La)	
Top-Bend (White)	14W/M	24VDC	30mA	2700~6500K	800lm/M	58lm/W			120°/180°
	9W/M		20mA		540lm/M	60lm/W			
	4W/M		10mA		248lm/M	62lm/W			
Side-Bend (White)	14W/M		30mA	2700~6500K	600lm/M	43lm/W			120°/240°
	9W/M		20mA		405lm/M	45lm/W			
	4W/M		10mA		188lm/M	47lm/W			
Top-Bend (Red	9W/M		20mA	620~630nm	200lm/M		\	\	120°/180°
	4W/M		10mA		100lm/M		\	\	
Side-Bend (Red	9W/M		20mA		110lm/M		\	\	120°/240°
	4W/M		10mA		60lm/M		\	\	
Top-Bend (Green)	9W/M		20mA	520~530nm	500lm/M		\	\	120°/180°
	4W/M		10mA		232lm/M		\	\	
Side-Bend (Green)	9W/M		20mA		250lm/M		\	\	120°/240°
	4W/M		10mA		120lm/M		\	\	
Top-Bend (Blue)	9W/M		20mA	460~470nm	120lm/M		\	\	120°/180°
	4W/M		10mA		64lm/M		\	\	
Side-Bend (Blue)	9W/M		20mA		60lm/M		\	\	120°/240°
	4W/M		10MA		36lm/M		\	\	
Top-Bend (Yellow)	9W/M		20mA	580~590nm	80lm/M		\	\	120°/180
	4W/M		10mA		44lm/M		\	\	
Side-Bend (Yellow)	9W/M		20mA		60lm/M		\	\	120°/240
	4W/M		10MA		36lm/M		\	\	
Top-Bend (Orange)	9W/M		20mA	600~610nm	80lm/M		\	\	120°/180
	4W/M		10mA		44lm/M		\	\	
Side-Bend (Orange)	9W/M		20mA		60lm/M		\	\	120°/240
	4W/M		10MA		36lm/M		\	\	
Top-Bend (Pink)	9W/M		20mA		310lm/M		\	\	120°/180
	4W/M		10mA		145lm/M		\	\	
Side-Bend (Pink)	9W/M		20mA		230lm/M		\	\	120°/240
	4W/M		10MA		108lm/M		\	\	
Top-Bend (Amber)	9W/M		20mA	1500~1700K	580lm/M		\	\	120°/180
	4W/M		10mA		264lm/M		\	\	
Side-Bend (Amber)	9W/M		20mA		430lm/M		\	\	120°/240
	4W/M		10MA		204lm/M		\	\	
Top-Bend (Purple)	9W/M		20mA	390~410nm	10lm/M		\	\	120°/180
	4W/M		10mA		4.8lm/M		\	\	
Side-Bend (Purple)	9W/M		20mA		7lm/M		\	\	120°/240
	4W/M		10MA		4lm/M		\	\	

Top Bend & Side Bend Silicon Flex Neon

Light Distribution Diagram



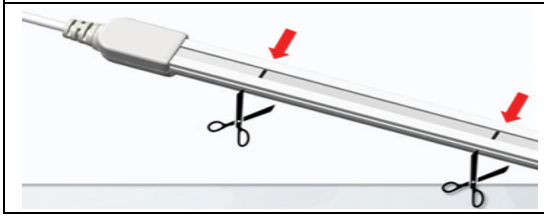
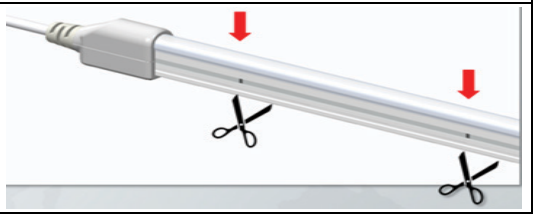
Top-Bend (White)



Side-Bend (White)

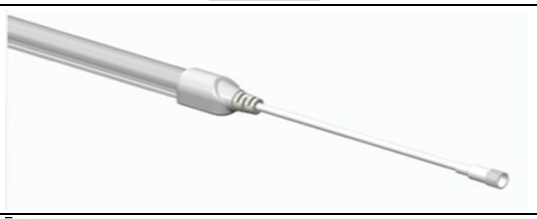
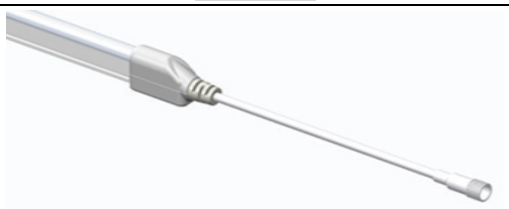
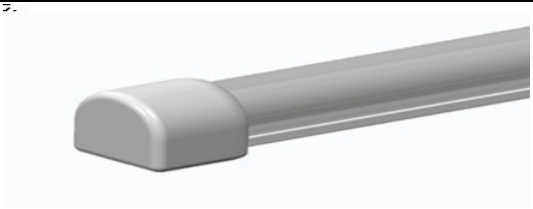
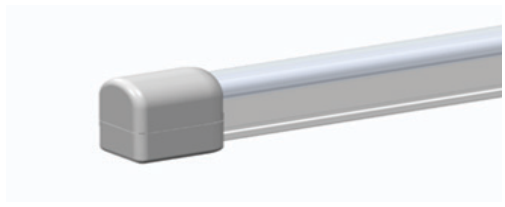
General Characteristics

(1) Visible transparent window allows cutting mark identification as normal strip.

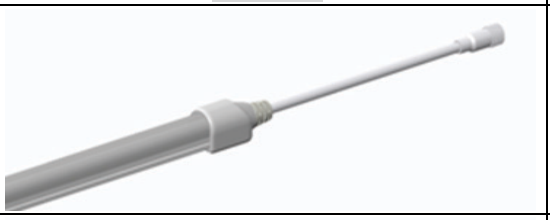
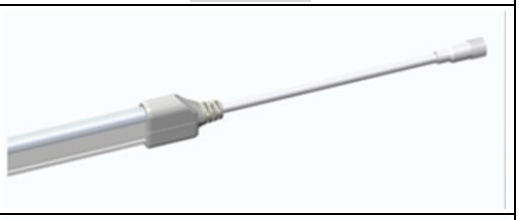
Top-Bend	Side-Bend
	

Top Bend & Side Bend Silicon Flex Neon

(2) Waterproof cable combined with SR plug in one injection mould, front cap with power fed on one side, end cap on another side, to achieve IP40 or IP65 rating.

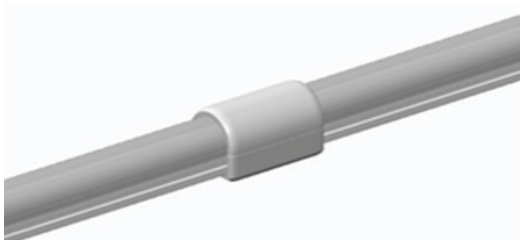
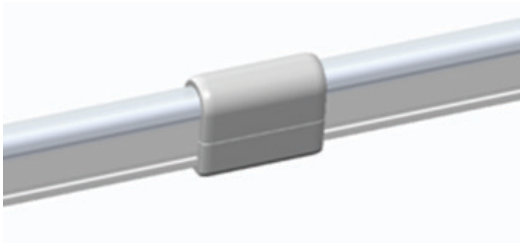
Top-Bend	Side-Bend
	
	

(3) Multiple wiring methods available: tail side, edge side and bottom side.

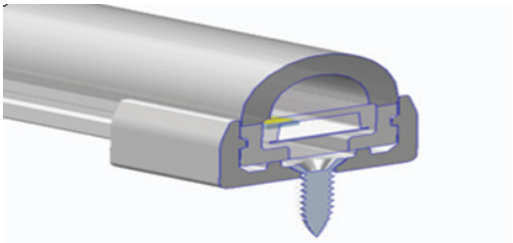
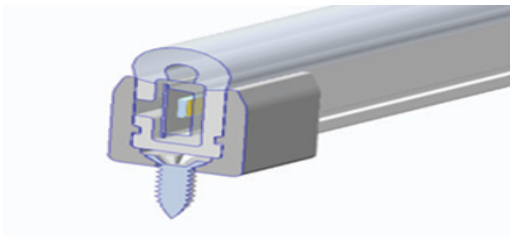
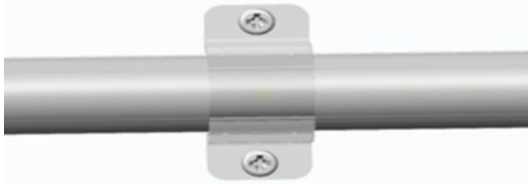
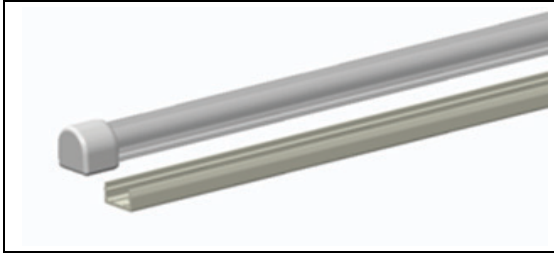
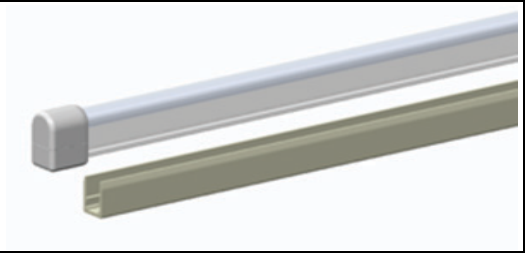
Top-Bend	Side-Bend
	

Top Bend & Side Bend Silicon Flex Neon

(4) Board-to-board split joint available.

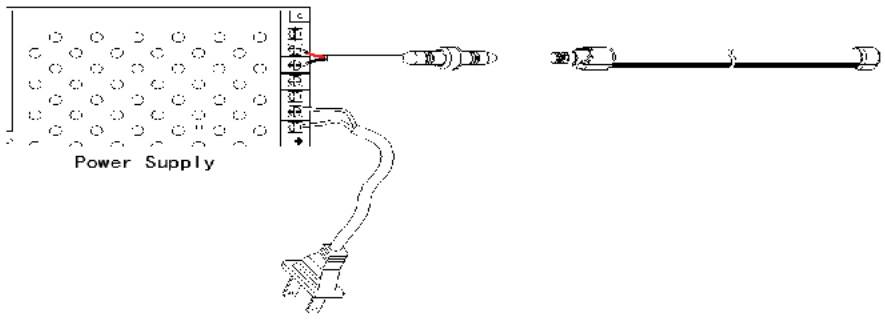
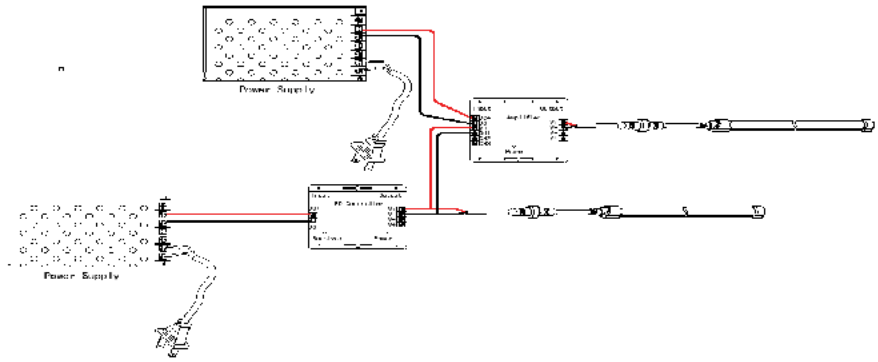
Top-Bend	Side-Bend
	

(5) Multiple surface mounting methods available: bracket, clip and aluminum channel.

Top-Bend	Side-Bend
	
	
	

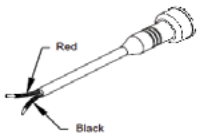
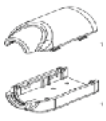
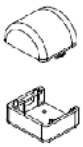
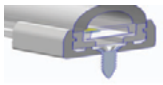
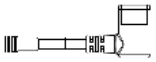
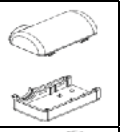
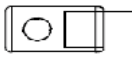
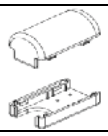
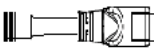
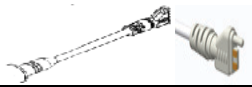
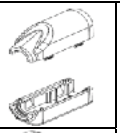
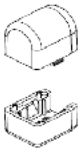
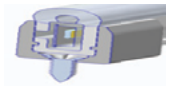
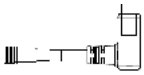
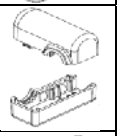
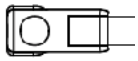
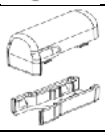
Top Bend & Side Bend Silicon Flex Neon

Connection

Non-dimmable Method

Dimmable Method


Top Bend & Side Bend Silicon Flex Neon

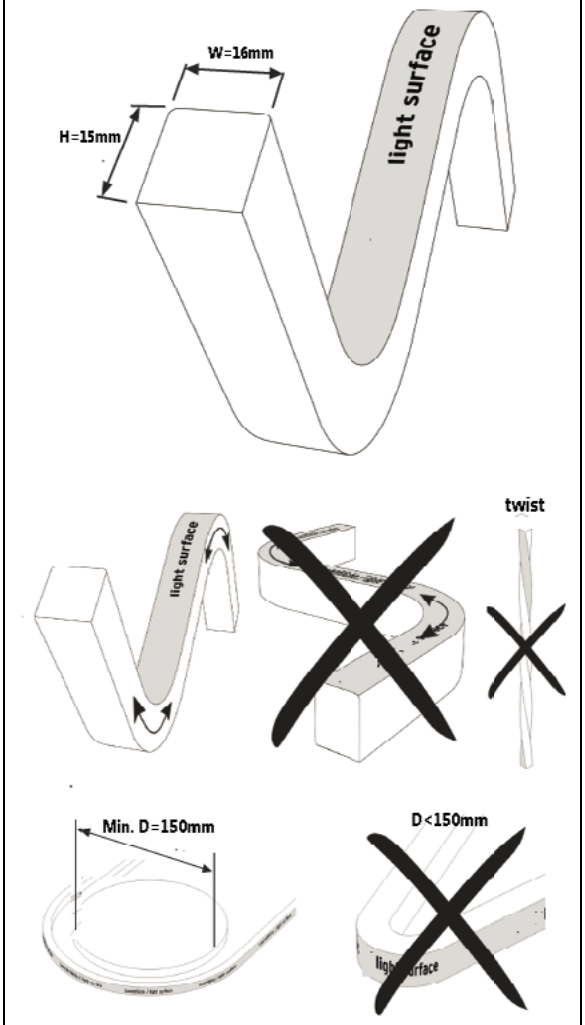
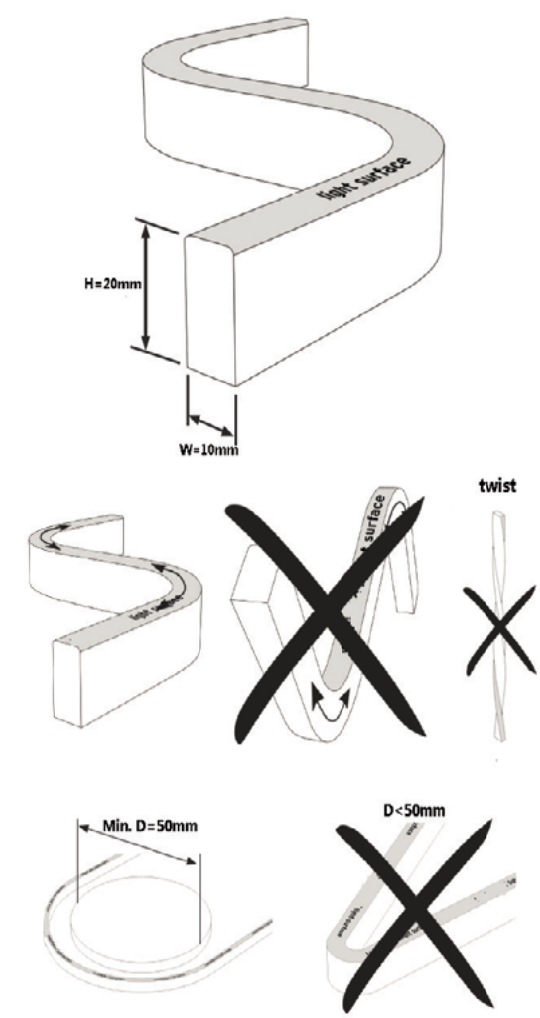
Accessories

Part No.	Wiring Method	Power Feeder Cable To PSU	Power Feeder Cable To Neon	Front Cap	Split Joint	End Cap	Mounting Method
Top-Bend	tail side	300mm waterproof cable with male plug 	300mm waterproof cable with female plug				bracket 
	edge side 		300mm waterproof cable with female plug				clip
	bottom side 		300mm waterproof cable with female plug				aluminum channel
Side-Bend	tail side 		300mm waterproof cable with female plug 				bracket 
	edge side 		300mm waterproof cable with female plug				clip
	bottom side 		300mm waterproof cable with female plug				aluminum channel

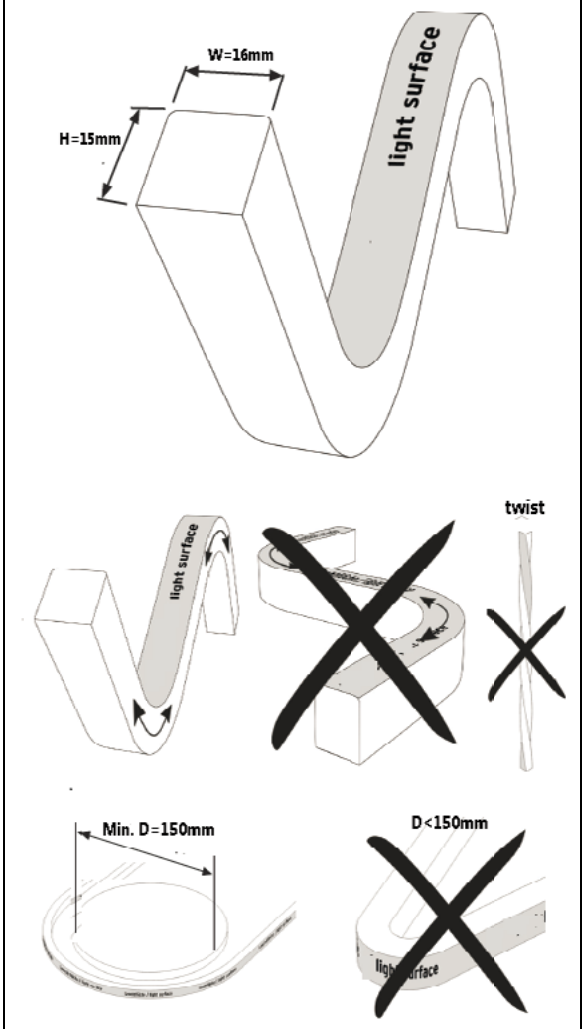
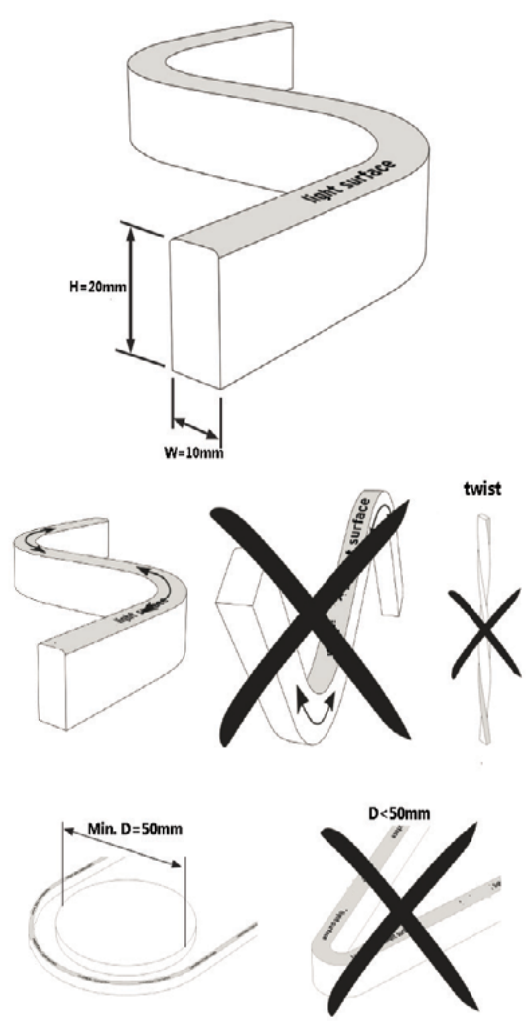
Top Bend & Side Bend Silicon Flex Neon

Notice

1. Please apply different IP rate products according to different environment conditions.
2. Adopt suitable power supply to match the LED strips. Power is 20% bigger than max power of LED strips to ensure long time performance of power supply.
3. Do not install it when power is on. Before powering on, make sure the wiring is correct.
4. Avoid privately changing or damaging the circuit or other component on the strip.
5. Minimal bending radius definition, for Top-Bend is 150mm and for Side-Bend is 50mm, too small bending radius will break the inner LED strip.
6. Avoid scrape, twist and irregular bend during installation, it might be damaged with non repairable status.

Top-Bend	Side-Bend
	

Top Bend & Side Bend Silicon Flex Neon

Top-Bend	Side-Bend
	

7. Strip linked in over long length would lead to problem of overload or uneven brightness.
8. To protect your eyes, do not stare at the light for a long time while it's illuminated.
9. Only professional personnel can install, dismantle and repair.