ALTRALUCE

FLEXCITE SERIES
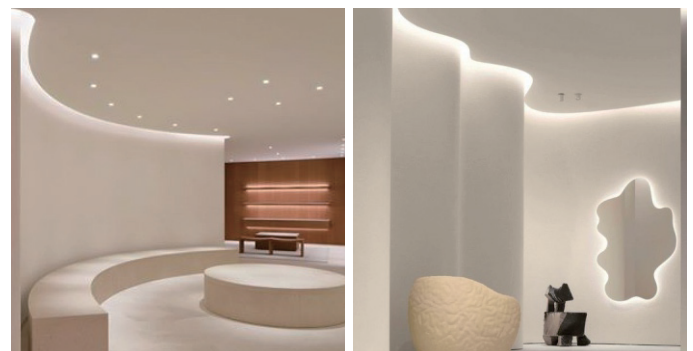
Flex Light

Dual Bend 60875

PATENTED

PROTECH

Features

1. Dual bend performance to fix many plane, curved and complex irregular structures at will.
2. On-site cuttable and assembly for fast and flexible customization operation, with end cap sealed by gluing process.
3. Customized length with overall appearance in the same size by die-casting process.
4. Dimmable available with PWM signal.
5. Compared with traditional fragile glass and harden/yellowing easily PVC sheathing material, silicon extrusion technology is an advanced process, with high-efficiency production capacity and environmentally-friendly characteristics. Additionally, with high grade appearance, soft bend flexibility, strong impact resistant and high weather resistance.
6. Up to 50,000h LED lifespan and 5 years warranty.
7. IP67[wet] waterproofing for indoor and outdoor usage.

Application

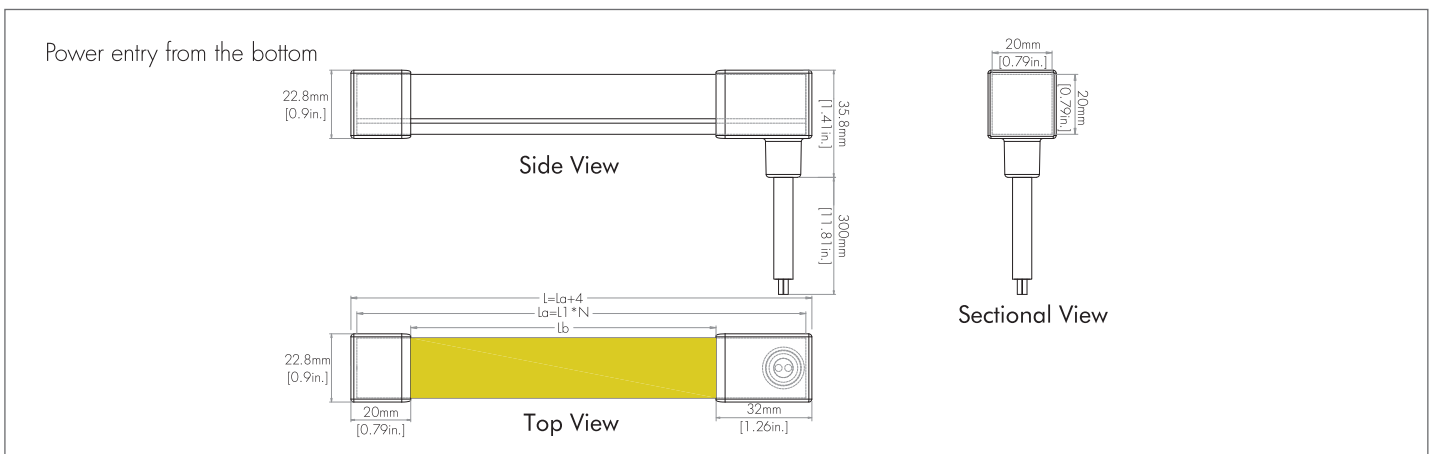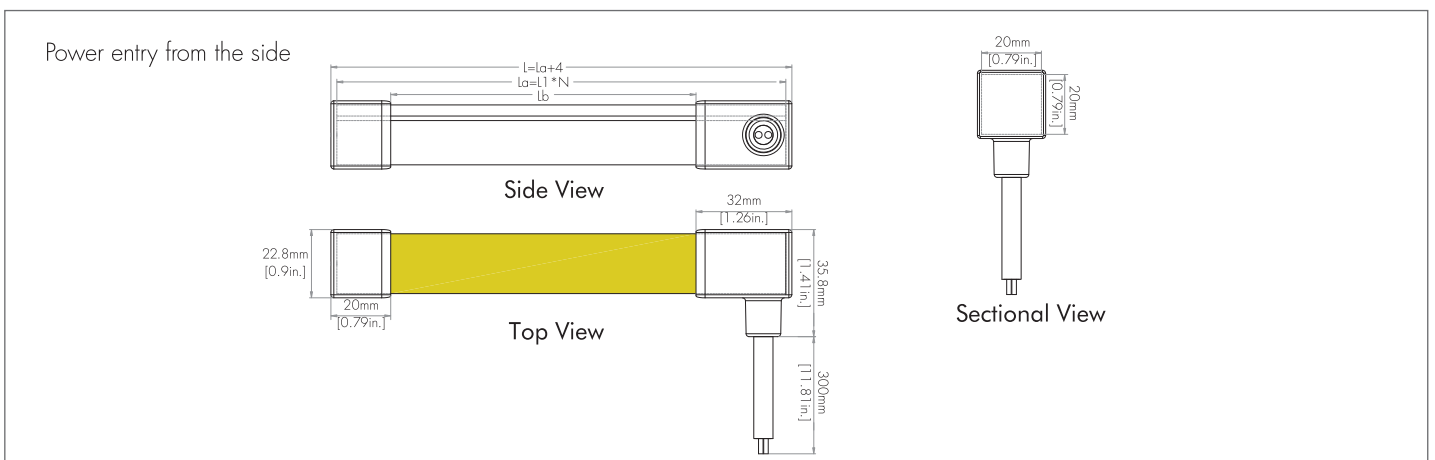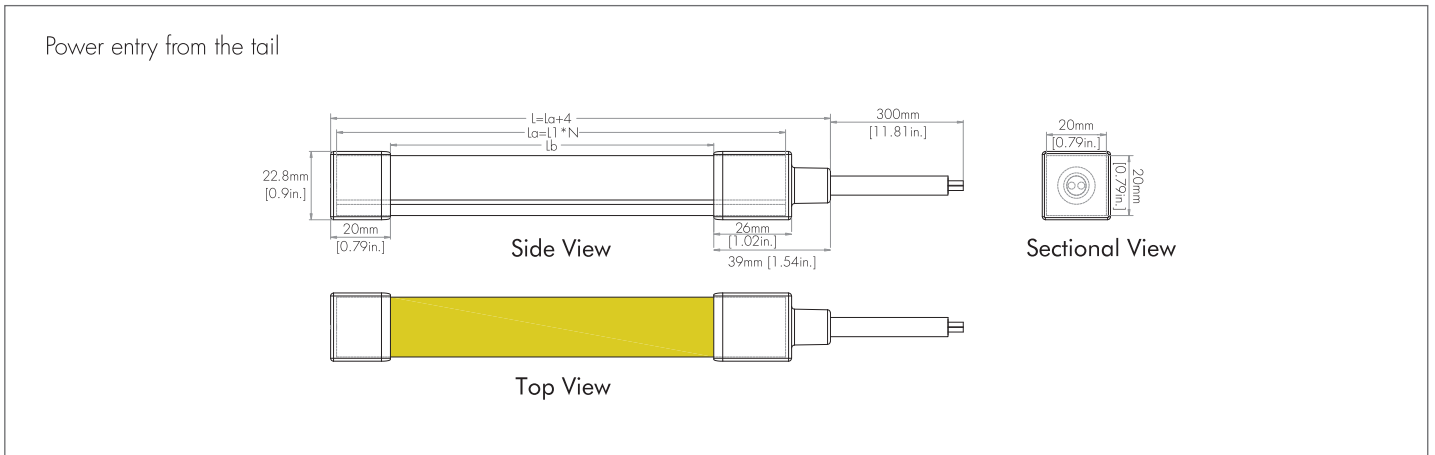Ideal for decorative and contour lighting for commercial, architectural and landscape space.

UL CE RoHS DC24V 120° PWM IP67

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Flex Light

Specification

Dimension / Diagram

Endcap sealed by gluing process

L: Total length   La: LED strip length
Lb: Luminous surface length   L1: LED strip increment
N: Number like 1, 2, 3......

Power entry from the tail

L=La+4
La=L1*N
Lb

22.8mm
[0.9in.]

20mm
[0.79in.]

Side View

26mm
[1.02in.]

39mm [1.54in.]

300mm
[11.81in.]

Top View

20mm
[0.79in.]

20mm
[0.79in.]

Sectional View

Power entry from the side

L=La+4
La=L1*N
Lb

Side View

22.8mm
[0.9in.]

20mm
[0.79in.]

32mm
[1.26in.]

35.8mm
[1.41in.]

300mm
[11.81in.]

Top View

20mm
[0.79in.]

20mm
[0.79in.]

Sectional View

Power entry from the bottom

22.8mm
[0.9in.]

Side View

35.8mm
[1.41in.]

300mm
[11.81in.]

20mm
[0.79in.]

20mm
[0.79in.]

Sectional View

L=La+4
La=L1*N
Lb

22.8mm
[0.9in.]

20mm
[0.79in.]

Top View

32mm
[1.26in.]

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Flex Light

Specification

Dimension / Diagram

Endcap sealed by die-casting process

L: Total length	La: LED strip length
Lb: Luminous surface length	L1: LED strip increment
N: Number like 1, 2, 3......	

Power entry from the tail

L=La+6
La=Lb=L1*N
300mm [11.81in.]
20mm [0.79in.]
20mm [0.79in.]

Side View

Sectional View

Top View

Power entry from the side

20mm [0.79in.]
20mm [0.79in.]

L=La+6
La=Lb=L1*N

Side View

Top View

300mm [11.81in.]

Sectional View

Power entry from the bottom

20mm [0.79in.]
20mm [0.79in.]

Side View

300mm [11.81in.]

L=La+6
La=Lb=L1*N

Top View

Sectional View

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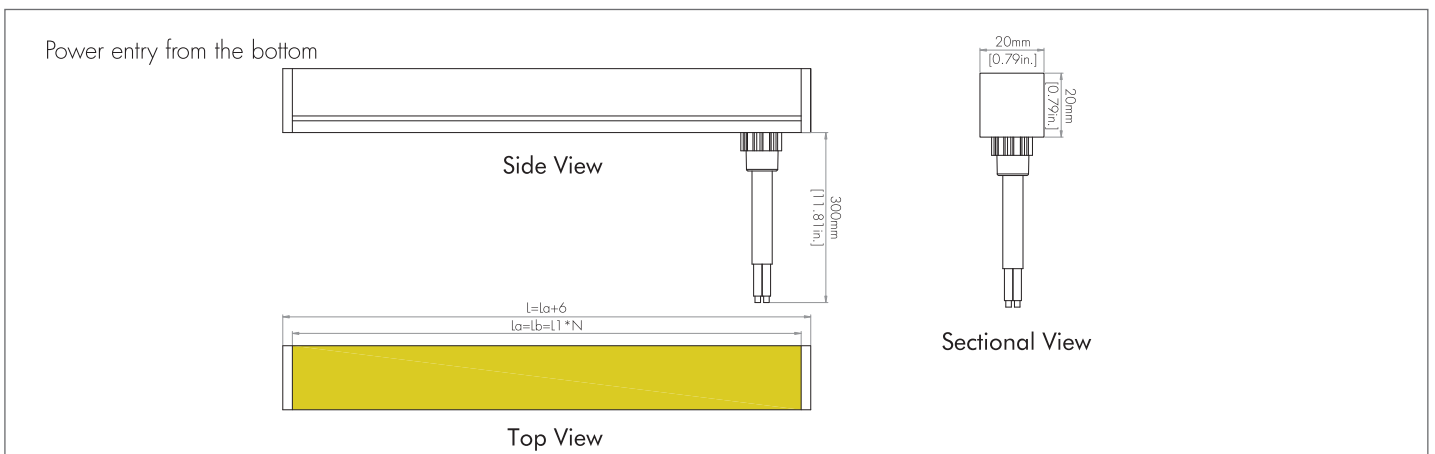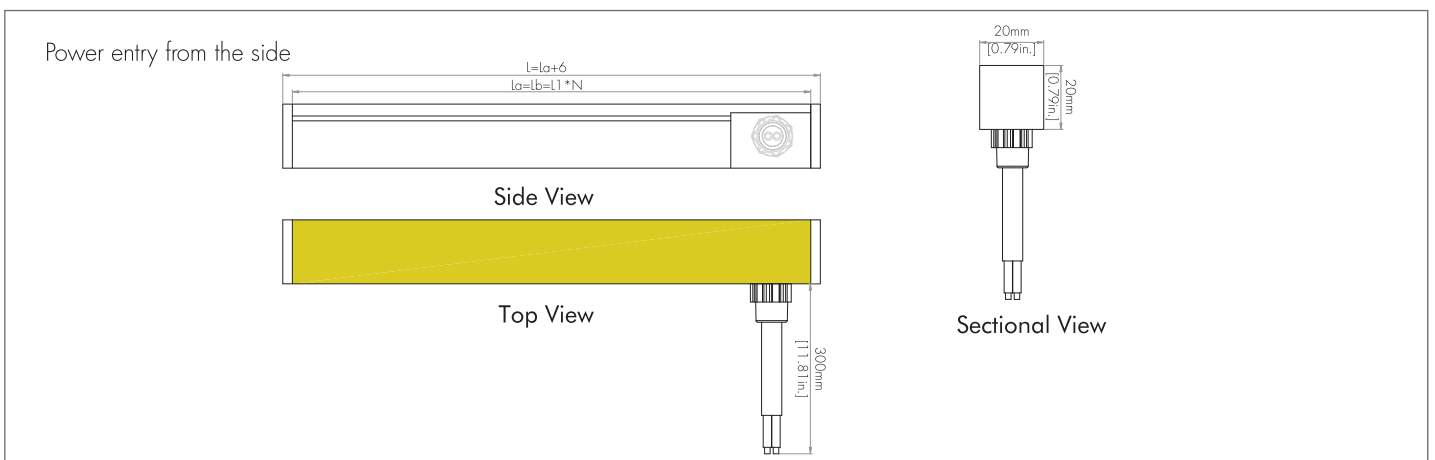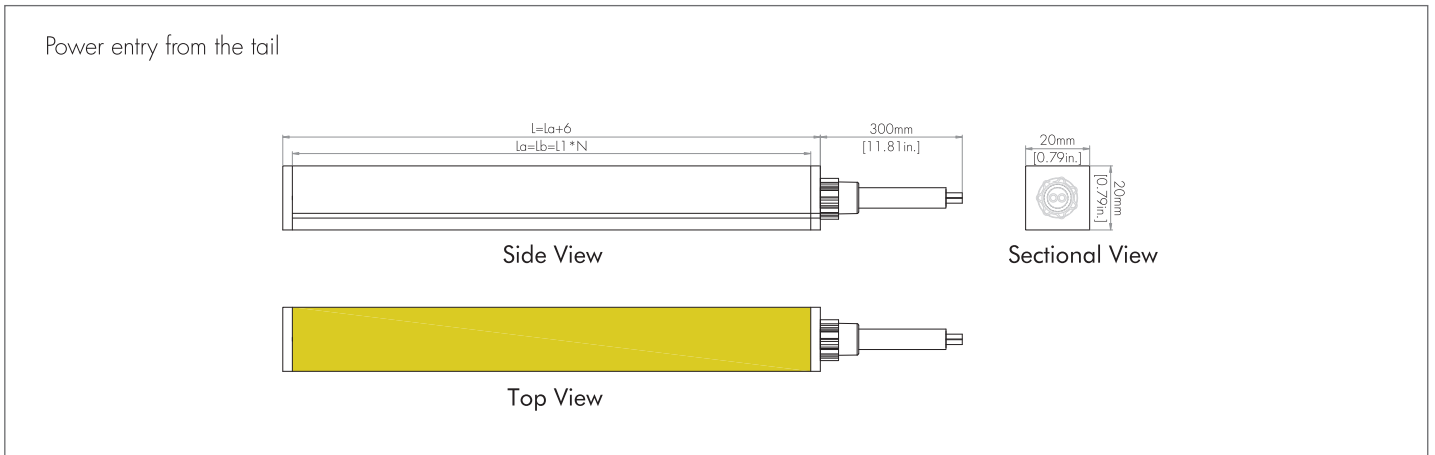
Flex Light

General Parameters

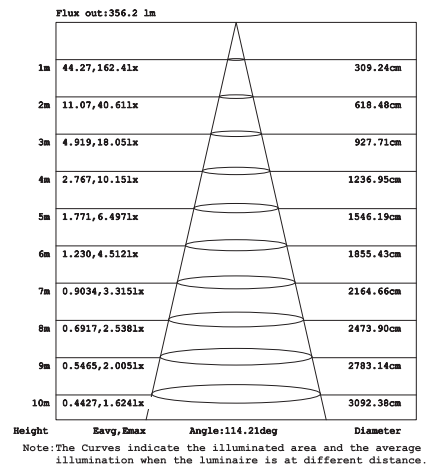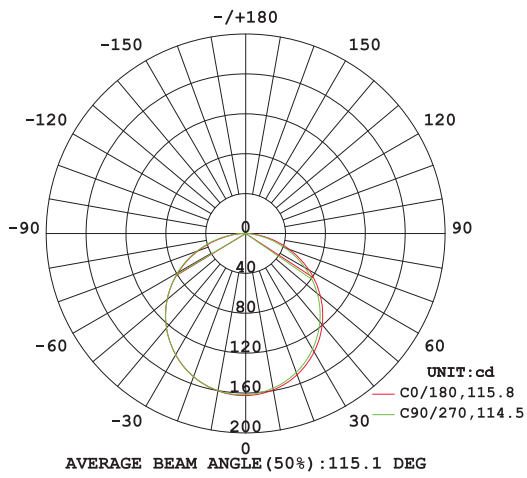| Part No.	Style	Dimension	Max. Run Length (La)	Strip Increment (L1)	LED Type	LED QTY	IP&IK Rating	Operating Ambient	Lifespan	Warranty
60875	Dual Bend (RGBW)	W20xH20mm	5M (Power fed on one side)	62.5mm	5050	96LED/M	IP67 & IK07	Ta: -20~45°C	50,000h (RGBW)	5 years

Photoelectric Parameters

Part No.	Style	Power ±10%	Operating Voltage	Finished Product CCT/ Wavelength	IP67 CRI80, 4000K		IP67 CRI90, 4000K		Beam Angle
					Luminous Flux±10%	Light Efficiency	Luminous Flux±10%	Light Efficiency	
60875	Dual Bend (RGBW)	14W/M	24VDC	R:620-630nm G:518-528nm B:460-470nm W:3000K±150K Other CCT on demand	R:70lm/M G:190lm/M B:40lm/M W:220lm/M Mix:520lm/M	/	R:70lm/M G:190lm/M B:40lm/M W:180lm/M Mix:480lm/M	/	120°

Note:
(1) Luminous flux for CCT 2700K is 10% lower, for CCT 3000K/3500K is 5% lower, for CCT 5000K/6000K is the same, compared with 4000K.
(2) The power of the strip need to be reduced to 9W/M[2.74W/ft.]@White&CCT for operating ambient temperature in -20~55°C[-4~131°F].
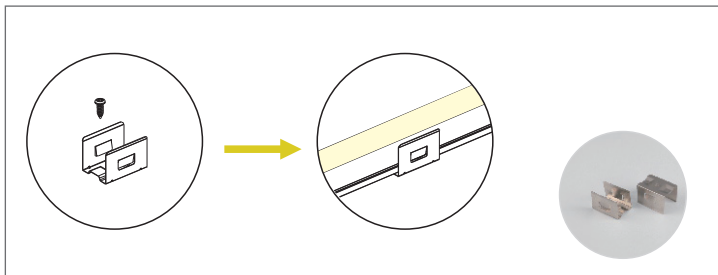(3) Installation accessories pack should be ordered separately according to specific case.
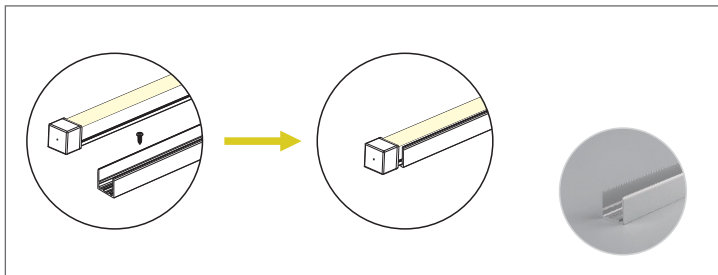
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Light Distribution Diagram

−/+180

UNIT:cd
— C0/180,115.8
— C90/270,114.5

AVERAGE BEAM ANGLE(50%):115.1 DEG

Flux out:356.2 lm

Height	Eavg,Emax	Angle:114.21deg	Diameter
1m	44.27,162.41x		309.24cm
2m	11.07,40.611x		618.48cm
3m	4.919,18.051x		927.71cm
4m	2.767,10.151x		1236.95cm
5m	1.771,6.4971x		1546.19cm
6m	1.230,4.5121x		1855.43cm
7m	0.9034,3.3151x		2164.66cm
8m	0.6917,2.5381x		2473.90cm
9m	0.5465,2.0051x		2783.14cm
10m	0.4427,1.6241x		3092.38cm

Note:The Curves indicate the illuminated area and the average
illumination when the luminaire is at different distance.

RGBW, 4000K, CRI90

Flex Light

Installation

Option 1: Fixed by bracket.

The groove size is shown as below

22.5mm
[0.89in.]
22.5mm
[0.89in.]

Option 2: Fixed by aluminum channel.

The groove size is shown as below

24mm
[0.94in.]
22.5mm
[0.89in.]

Option 3: Fixed by bendable bracket.

The groove size is shown as below

22.5mm
[0.89in.]
22.5mm
[0.89in.]
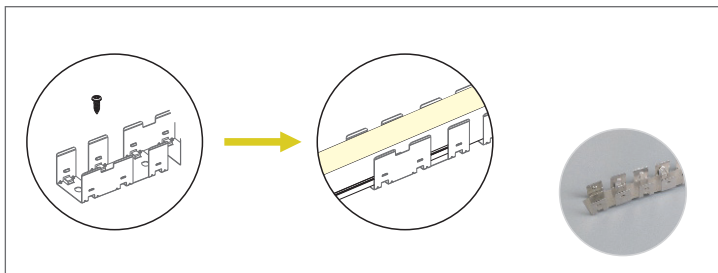
Note: It's also support surface & recessed mounting by gluing process.

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Flex Light
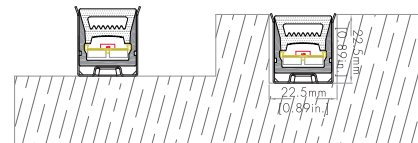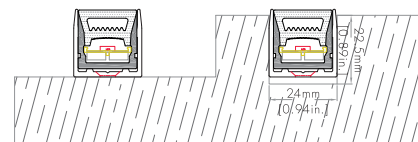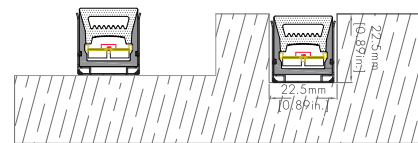
Connection

Dimming and tuning status for RGBW

Power Supply   Controller   Neon Strip

Power Supply   Amplifier

Dimming and tuning status for RGBW

Power Supply

SPI&DMX controller

SPI: 3 cables
DMX : 5 cables

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Flex Light
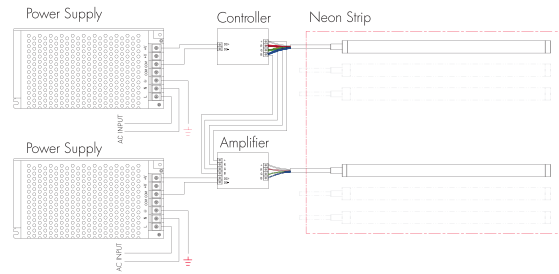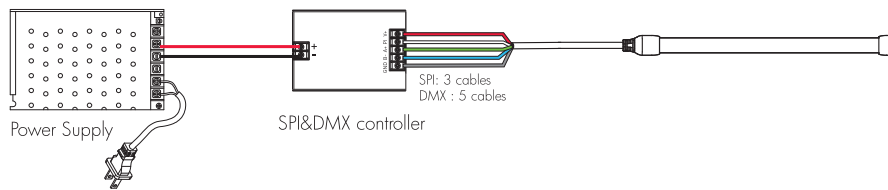
Notice

1. Adopt suitable power supply with power is 20% higher than the max. power of product, to ensure long time performance of power supply.
2. Do not install it when power is on. Before powering on, make sure the wiring is correct.
3. Avoid privately changing or damaging the circuit or other component on the product.
4. Avoid scrape, twist and irregular bend during installation, which might cause non repairable status for the product.
5. Minimum bending diameter definition, is 200mm[7.87in.] for top-bend and 280mm[11in.] for side-bend, too small bending diameter will break the product.
6. Minimum twist angle definition, is 360° per 1000mm[39.4in.] length.
7. Product linked in over long length will lead to problem of overload or uneven brightness.
8. To protect your eyes, do not stare at the product for a long time while it's illuminated.
9. Only professional personnel can install, dismantle and repair.
10. Bend and twist diagram is shown as below.

Luminous Surface
200mm [7.87in.]
200mm [7.87in.]
Luminous Surface

Luminous Surface   Luminous Surface
280mm [11in.]
280mm [11in.]

⚠ Max. Twist Angle is 360° per 1000mm[39.4in.]

Can be top-bend

Can be side-bend