

Archilight Dual-Bend LED Strip

Dual Bend LED Strip



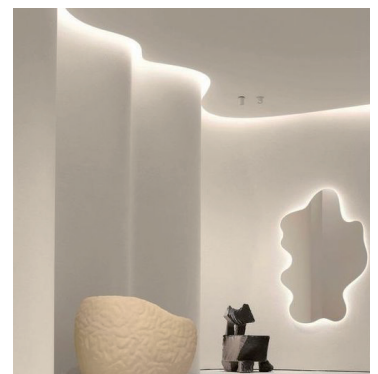
Features

- ⦿ Dual-bend performance to fix many plane, curved and complex irregular structures at will.
- ⦿ Warm white, and RGB modes can be realized in small size jacket.
- ⦿ Ultra long run length is available up to 50M [164ft.].
- ⦿ On-site free-cutting and assembly for fast and flexible customization operation, with end cap sealed by gluing process.
- ⦿ Customized length with overall appearance in the same size by die-casting process.
- ⦿ Dimmable available with PWM signal.
- ⦿ 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.
- ⦿ Up to 50,000h LED lifespan and 5 years warranty.
- ⦿ IP67 for indoor and outdoor usage, CE and UL approval.



Application

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



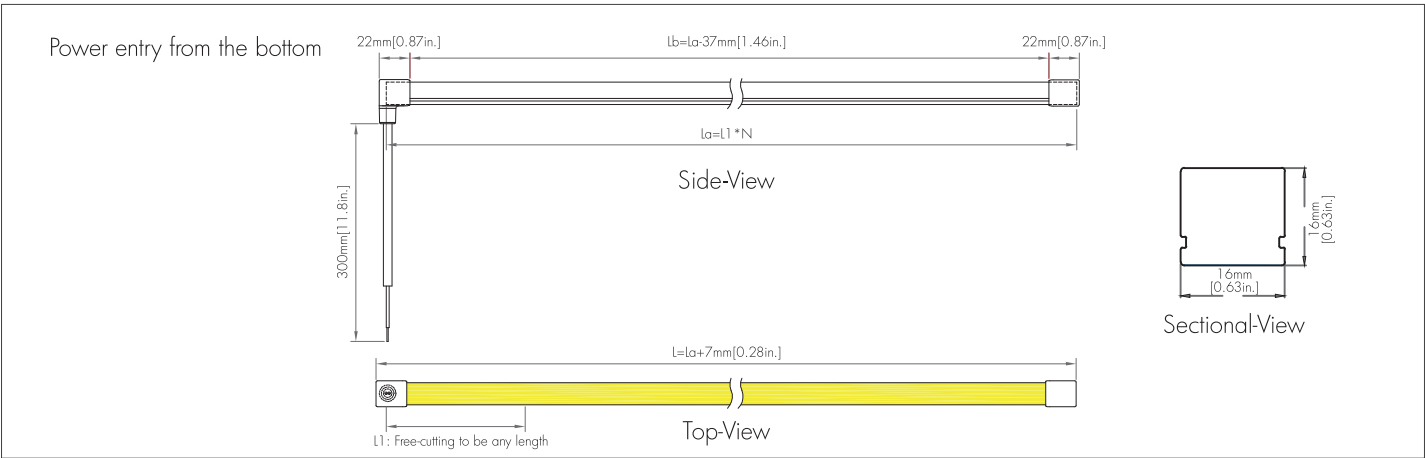
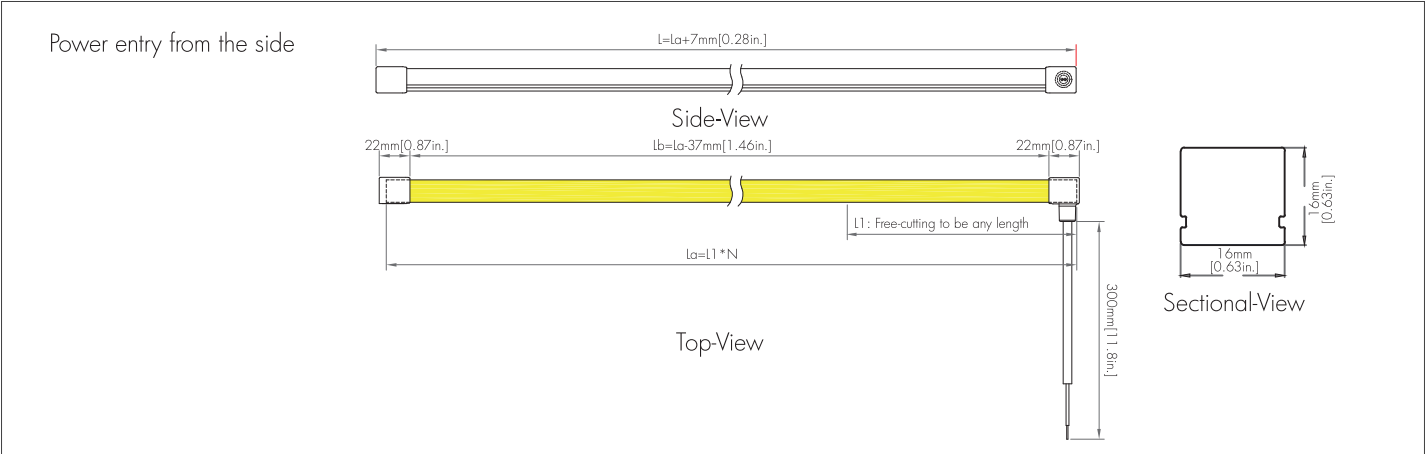
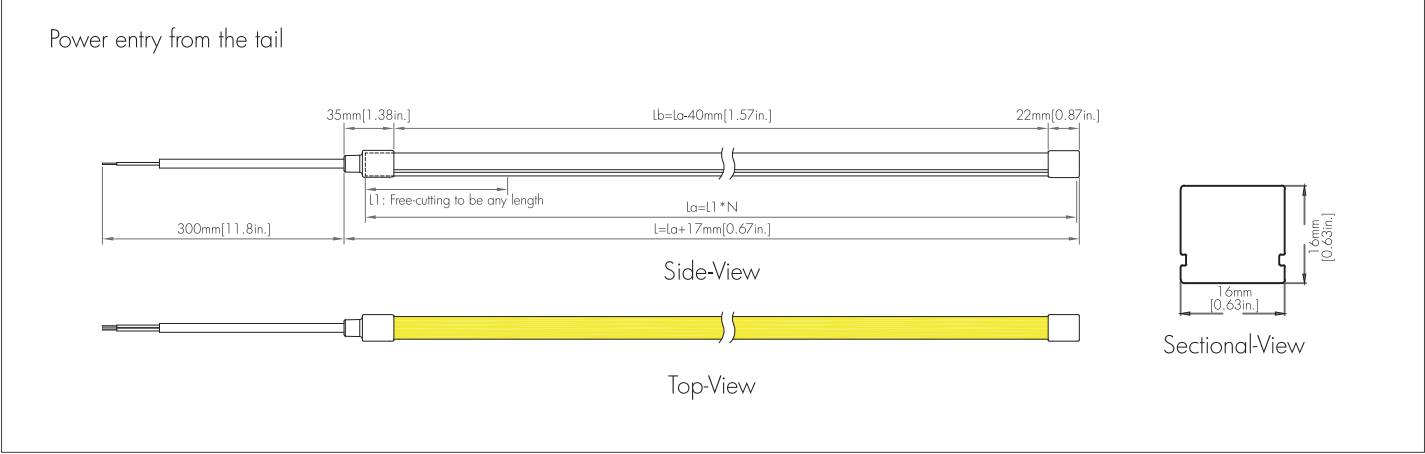
Diagram

Unit:mm/inch

Endcap sealed by gluing process

L: Total length
Lb: Luminous length
N: Number such as 1, 2, 3.....

L_a: Length of inner LED strip
L₁: Increment

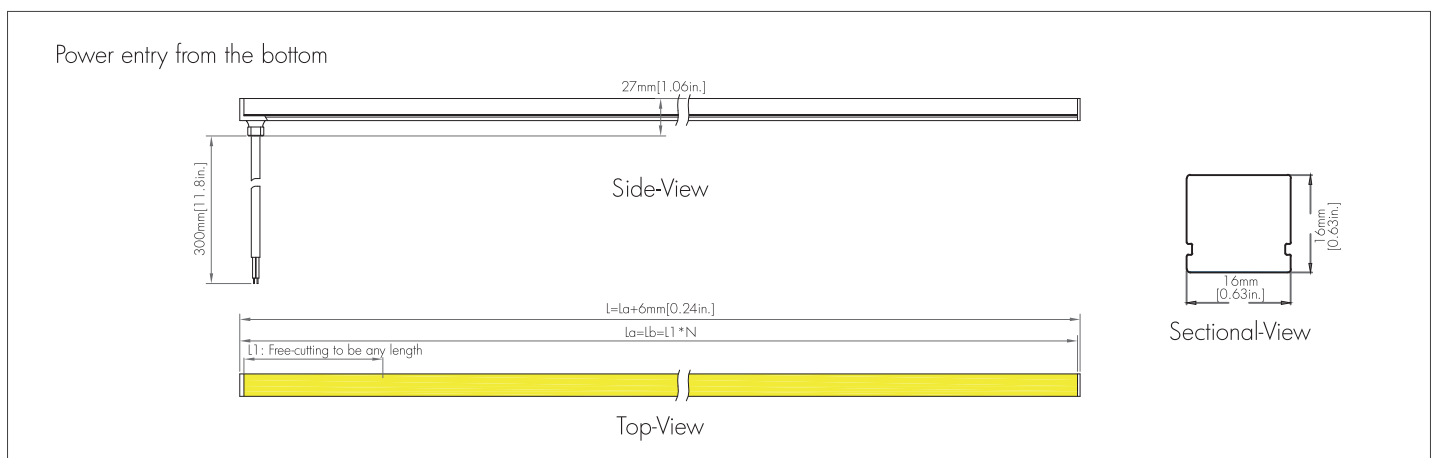
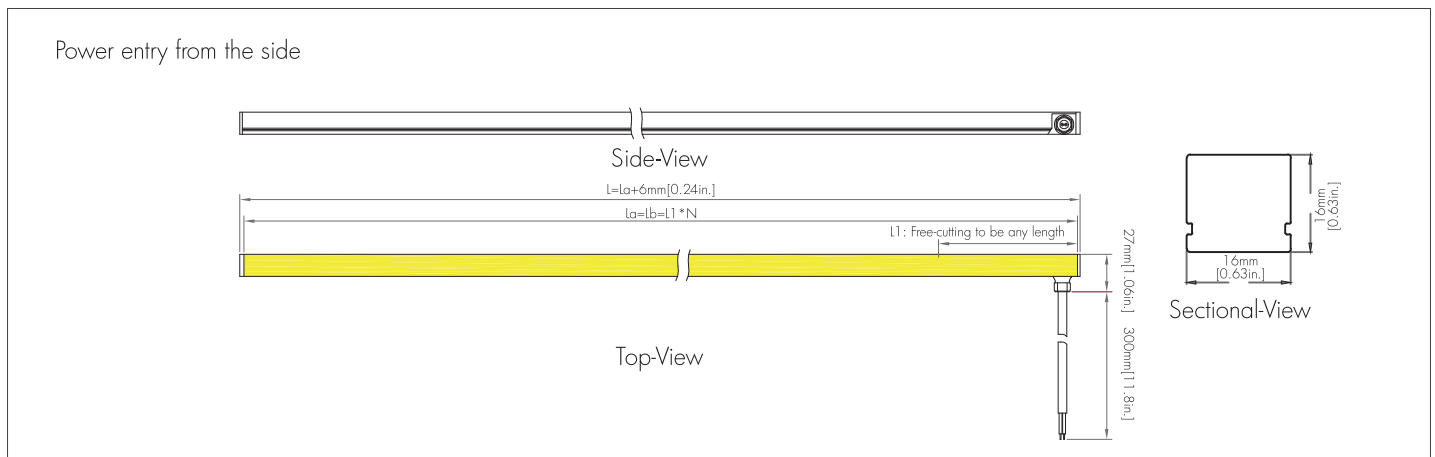
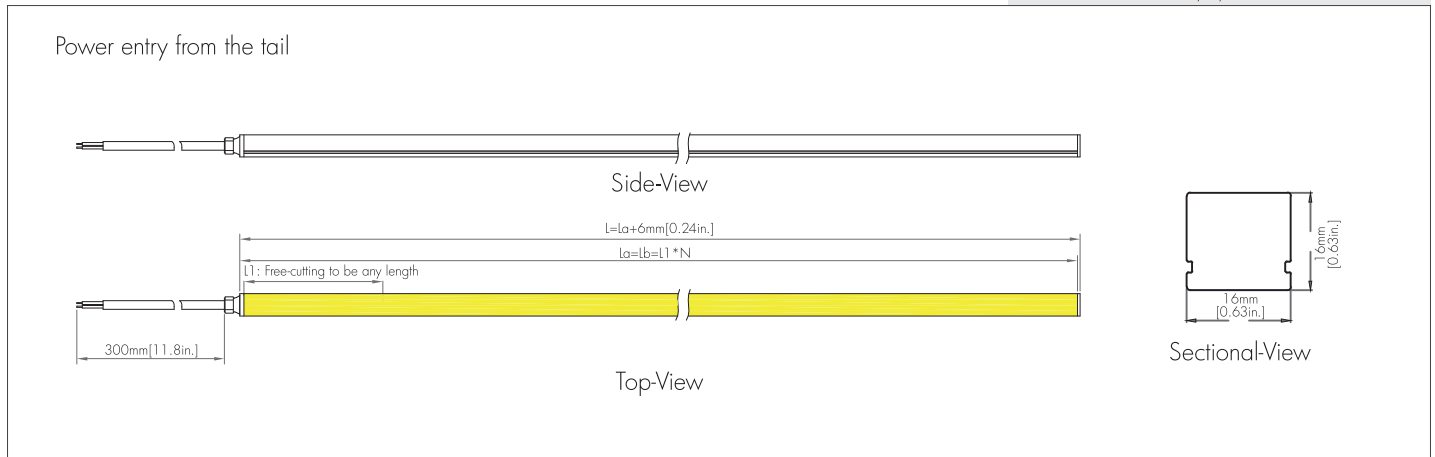


Diagram

Unit:mm/inch

Endcap sealed by die-casting process

L: Total length	La: Length of inner LED strip
Lb: Luminous length	L1: Increment
N: Number such as 1, 2, 3.....	



General Parameters

Product No.	Style	Dimension (L*W*H)	Max. Run Length (La)& Max. Shipping Length	Strip Increment (L1)	LED Type	LED QTY	IP&IK Rating	Operating Ambient	Lifespan	Warranty
NS1616-2467GLE-WW	Dual-Bend (White)	W16xH16mm [W0.63xH0.63in.]	5M [16.4ft.] (Power fed on one side) & 30M [98.4ft.]	Free-cutting to be any length	SMD 2835	120LED/M [36LED/ft.]	IP67 [Wet] & IK06	Ta: -20~45°C [-4~113°F]	50,000h (L70@ Tc≤65°C[149°F], Tc is the temp. of LED pin.)	5 years
NS1616-2467GLE-NW										
NS1616-2467GLE-CW										
NS1616-2467GLE-RGB (RGB)	Dual-Bend (RGB)			50mm [1.97in.]						

Photoelectric Parameters

Product No.	Style	Power±10%	Operating Voltage	Finished Product CCT/ Wavelength	Beam Angle
NS1616-2467GLE-WW	Dual-Bend (White)	14W/M [4.27W/ft.]	24VDC	3000K±150K	120°
NS1616-2467GLE-NW				4000K±300K	
NS1616-2467GLE-CW				6500K±500K	
NS1616-2467GLE-RGB (RGB)	Dual-Bend (RGB)			R:615-625nm G:515-530nm B:460-470nm	

Note:

(1) Luminous flux for CCT 3000K is 8% lower, compared with 4000K.

(2) Energy efficiency class of regulation (EU)2019/2020 is F(CRI90) for 4000K(High-Efficacy Premium version) it varies depending on CRI, CCT and IP rating.

(3) The Max. Run Length (La) is defined as power fed on one side.

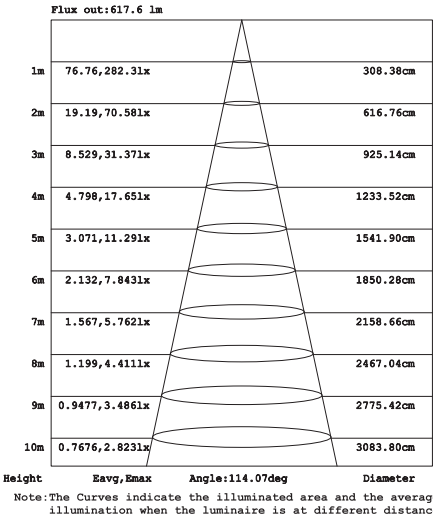
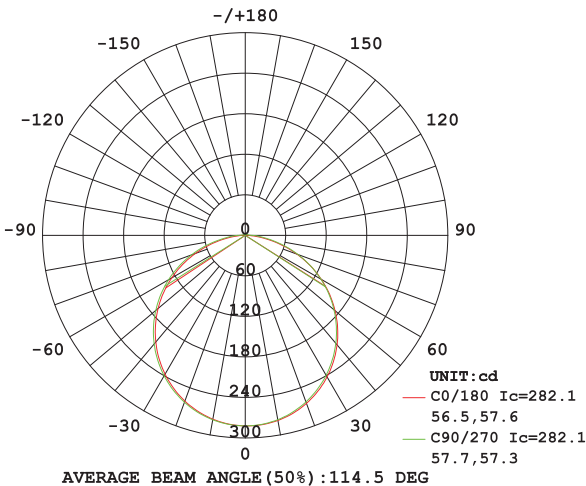
(4) The power need to be reduced to 9W/M[2.74W/ft.]@White&CCT for operating ambient temperature in -20~55°C[-4~131°F].

(5) The standard packing length is fixed by default per reel without installation accessories, and the customized packing need to be re-evaluated.

(6) Installation accessories pack should be ordered separately according to specific case.

(7) For North American Market, the product with 48VDC input is only suitable for dry&damp location application, but not wet location application, according to the norm of UL2108.

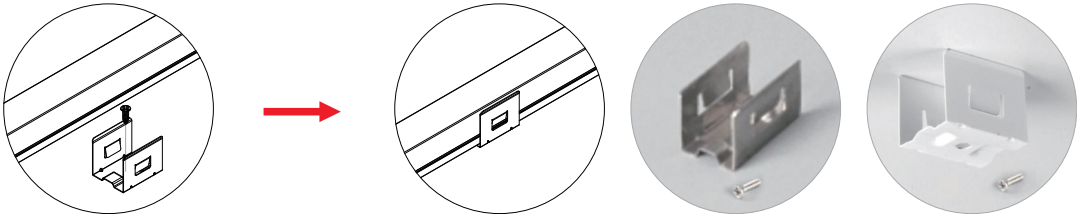
Light Distribution Diagram



White, 4000K, CRI80

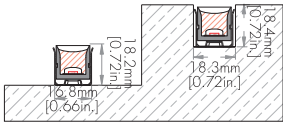
Installation

Fixed by bracket and screw



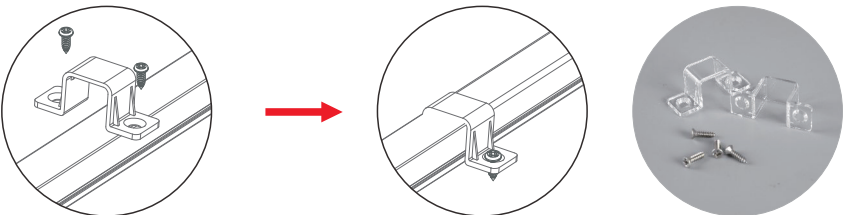
Note: Silver color is standard; white color is optional.

Space & Groove are shown as below

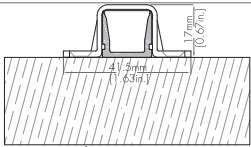


Surface & Recessed mounting

Fixed by clip and screw

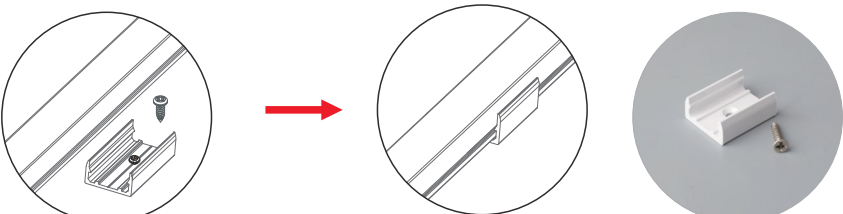


Note: Transparent color is standard. PC material is not recommended for long-term exposure to outdoor sunlight.



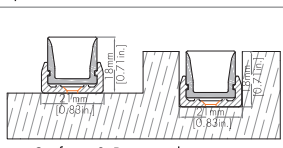
Surface mounting

Fixed by bracket and screw



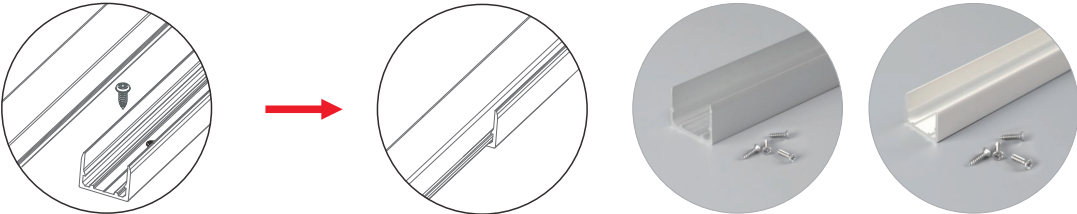
Note: White color is standard. PC material is not recommended for long-term exposure to outdoor sunlight.

Space & Groove are shown as below



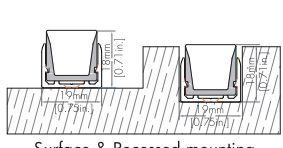
Surface & Recessed mounting

Fixed by aluminum profile and screw



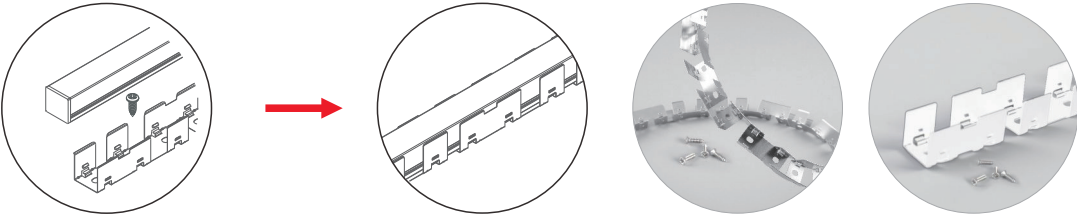
Note: Silver color is standard, white color are optional.

Space & Groove are shown as below



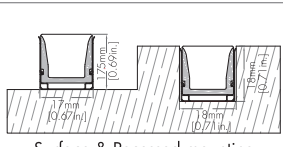
Surface & Recessed mounting

Fixed by bendable bracket and screw



Note: Silver color is standard; white color are optional and shipped in 1M[3.94ft.] per piece.

Space & Groove are shown as below

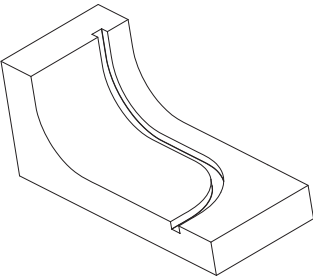


Surface & Recessed mounting

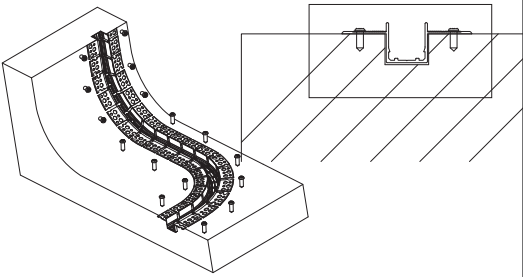
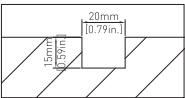
Note: It's also support surface & recessed mounting by gluing process.

Installation

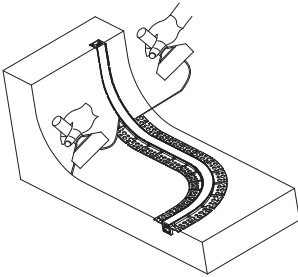
Fixed by dual-bend plaster-in aluminum profile and screw
(The bending method of the profile during use, should be determined based on the bending method of the neon strip.)



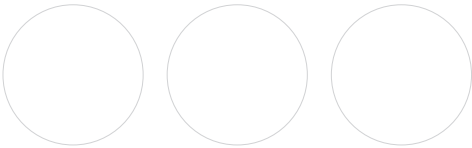
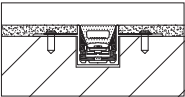
Make a groove with the size of W20*H15mm[W0.79*H0.59in.] on the mounting surface.



Fix the dual-bend plaster-in aluminum profile to the groove by screw.



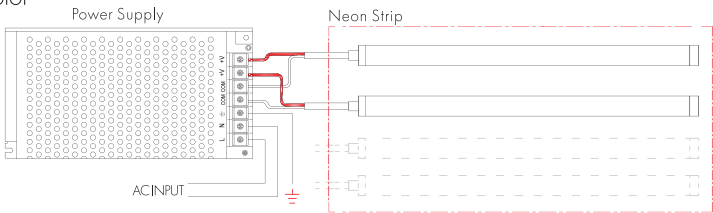
In addition to the neon strip, the areas on both sides of the illuminated surface should be plastered and dried before completion.



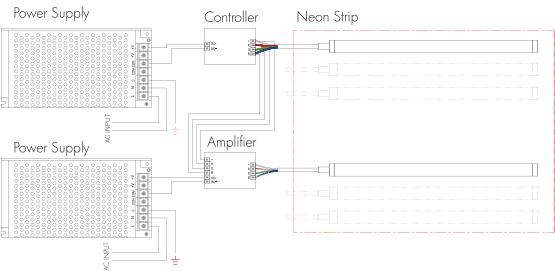
Press the neon strip into the dual-bend plaster-in aluminum profile.

Connection

Non-Dimming Status for White Color



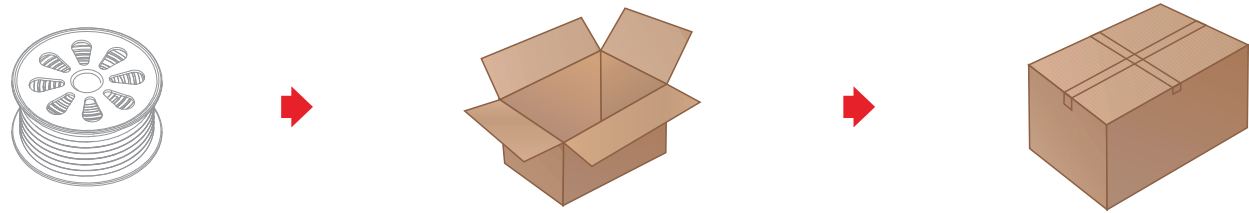
Dimming and tuning status for RGB/RGBW



Connection

Product No.	Welding-Free Quick-Connection Accessory
NS1616-MC	Mounting Clip
NS1616-FB	Mounting Bracket
NS1616-FC	Aluminum channel L=1000mm
NS1616-BC	Stainless steel Bendable bracket L=1000mm

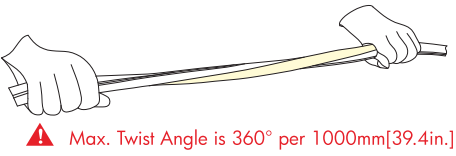
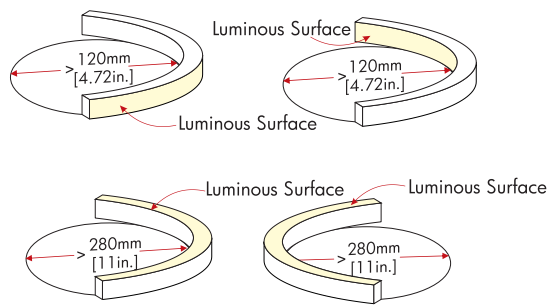
Packing



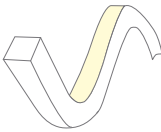
Part No.	Style	Product Dimension	Product N.W.	Carton Size	Product QTY/Carton	Carton Total G.W.
NS1616-2467GLE	Dual-Bend	L5000*W16*H16mm [L197*W0.63*H0.63in.]	1.2kg	L390*W390*H185mm [L15.4*W3.35*H7.3in.]	5pcs	8.4kg
		L10000*W16*H16mm [L394*W0.63*H0.63in.]	2.4kg	L410*W410*H395mm [L16.1*W16.1*H15.6in.]	5pc	15.7kg
		L15000*W16*H16mm [L591*W0.63*H0.63in.]	3.6kg	L386*W386*H130mm [L15.2*W15.2*H5.1in.]	1pcs	4.9kg
		L20000*W16*H16mm [L787*W0.63*H0.63in.]	4.8kg	L386*W386*H130mm [L15.2*W15.2*H5.1in.]	1pc	6.1kg
		L25000*W16*H16mm [L984*W0.63*H0.63in.]	6.0kg	L390*W390*H185mm [L15.4*W3.35*H7.3in.]	1pc	7.2kg
		L30000*W16*H16mm [L1181*W0.63*H0.63in.]	7.2kg	L390*W390*H185mm [L15.4*W3.35*H7.3in.]	1pc	8.4kg
		L50000*W16*H16mm [L1969*W0.63*H0.63in.]	12.0kg	L390*W390*H270mm [L15.4*W15.4*H10.6in.]	1pc	14.3kg

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 120mm[4.72in.] 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.



Can be top-bend



Can be side-bend

