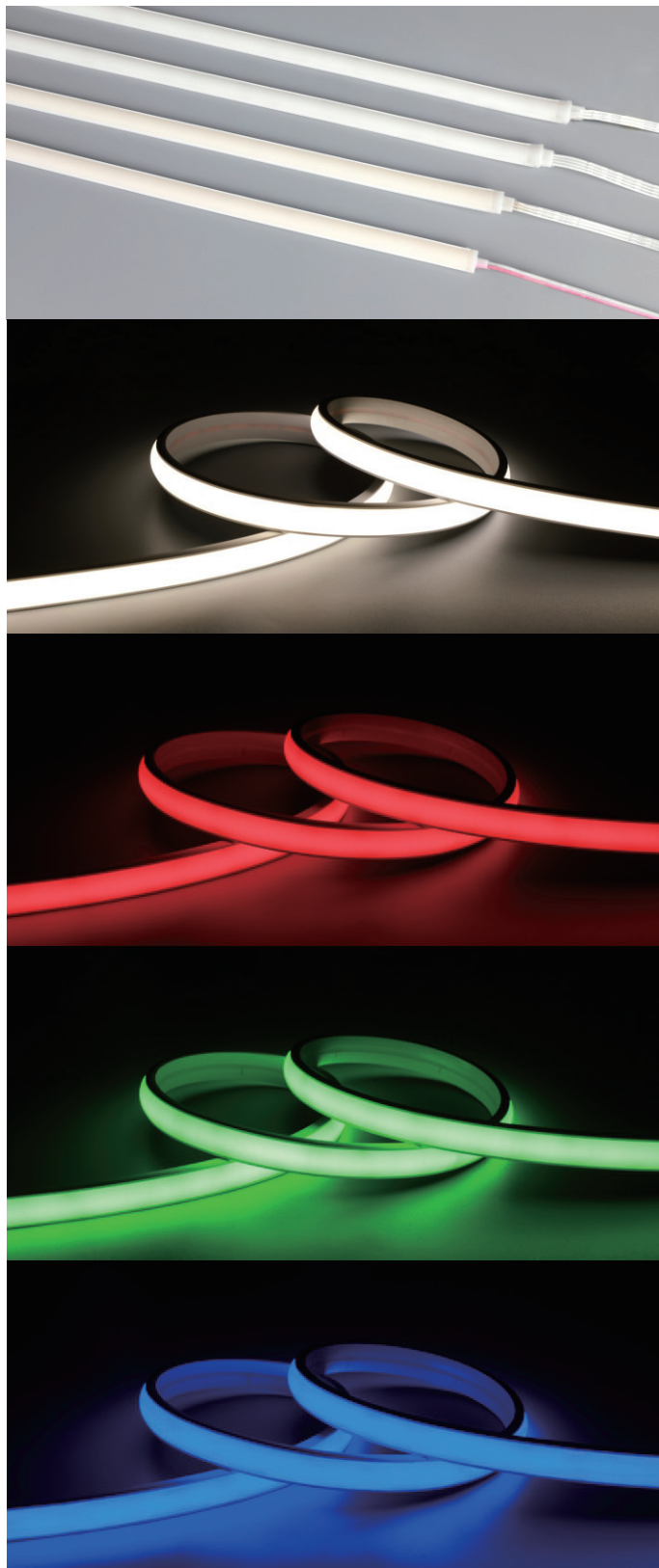


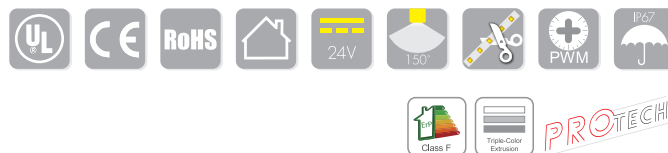
Archilight Pure Flow Ultra LED Strip

COB | IP67 | White/ RGB



Features

- ⦿ Upscale milky color silicone with matte finishing self-cleaning coating.
- ⦿ Uniform, dot-free, smooth and comfortable using COB light source.
- ⦿ Good structural and mechanical properties during usage and manufacturing.
- ⦿ High production efficiency by adopting silicone extrusion processing technology.
- ⦿ Higher waterproof grade in IP67 for indoor and outdoor usage.
- ⦿ 50,000h lifespan and 5 years warranty with CE&UL approval.



Application

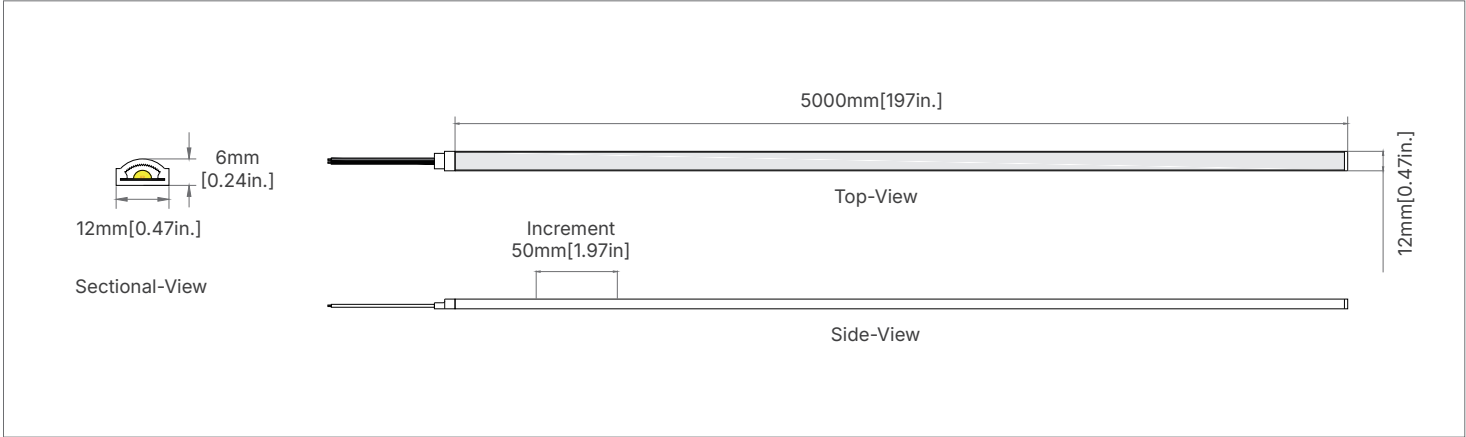
- ⦿ Ideal for high-end linear lighting application in residential, retail, hospitality and landscape.



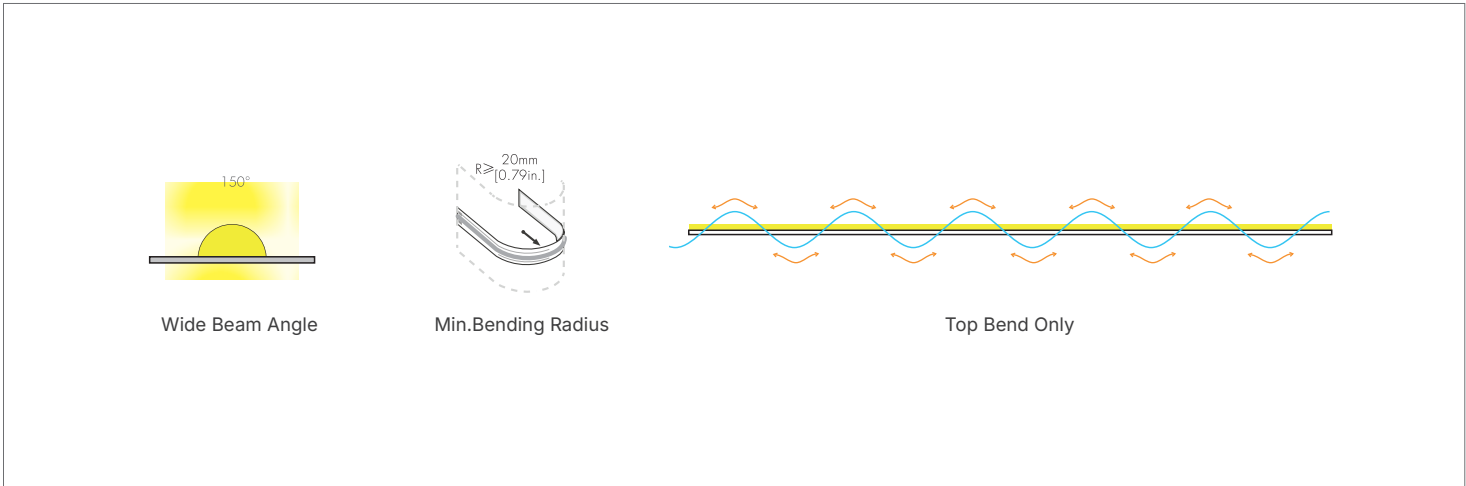
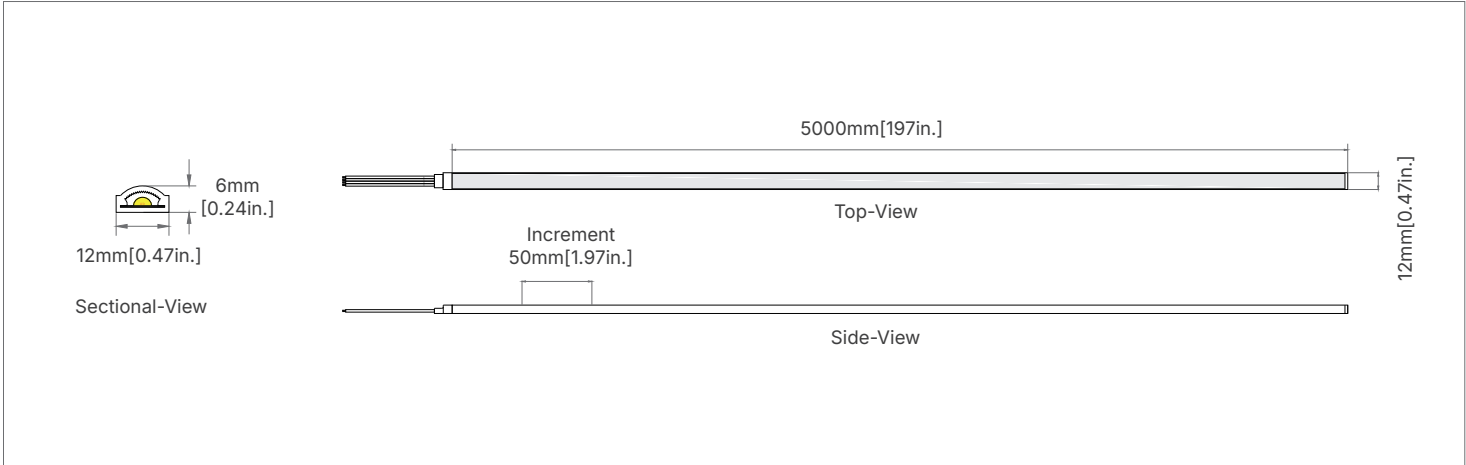
Diagram (Teminal is sealed by die-casting process)

Unit:mm/inch

White



RGB



General Parameters

Product No.	Dimension (L*W*H)	Max.Length (La)	Increment (L1)	LED Type	LED QTY	IP Rating	Operating Ambient	Lifespan	Warranty	
PF2216-12W2467GLE-WW (Warm White)	W12*H6mm [W0.47*H0.24in.]	5M [16.4ft.] (Power fed on one side)	50mm [1.97in.]	COB	480chips/M [146chips/ft.]	IP67 [Wet]	Ta (working): -20~45°C [-4~113°F] & Tstg (storage): -20~60°C [-4~140°F]	50,000h (L70@ Tc≤ 65°C [149°F], Tc is the temp. of LED pin)	5 years	
PF2216-12W2467GLE-NW (Natlrl White)										
PF2216-12W2467GLE-CW (Cool White)			50mm [1.97in.]							
PF2216-12W2467GLE-RGB (RGB)					840chips/M [256chips/ft.]					

Photoelectric Parameters

Product No.	Power±10%	Operating Voltage	Finished Product CCT/ Wavelength	CRI90, 4000K		Beam Angle
				Luminous Flux±10%	Light Efficiency	
PF2216-12W2467GLE-WW (Warm White)	12W/M [3.66W/ft.]	24VDC	3000K±150K	912lm/M [278lm/ft.]	76lm/W	120°
PF2216-12W2467GLE-NW (Natlrl White)			4000K±300K			
PF2216-12W2467GLE-CW (Cool White)			6500K±500K			
PF2216-12W2467GLE-RGB (RGB)	15W/M [4.57W/ft.]		R: 620-630nm G: 515-525nm B: 460-470nm	480m/M [146lm/ft.]	32lm/W	

Note:

(1) The lumen flux value above is base on 1M [3.28ft.] length, it need to be measured and considered separately for other longer lengths.

(2) This strip is containing product, with replaceable COB strip light source operated by professional. And, the energy efficiency class of regulation (EU) 2019/2020 are F @White (3000K / 4000K / 6500K) & CRI90 and G @RGB & CRI90 for inner COB strip light source.

(3) Luminous flux for 3000K is 5% lower, for 6500K is the same, compared with 4000K. Luminous flux for RGB varies depending on color and control mode.

(4) Applying with extra heat sink for cooling is not necessary with self-cooling capacity.

(5) It is available for forward or backward top bend, with a minimum bending radius of 20mm [0.8in.].

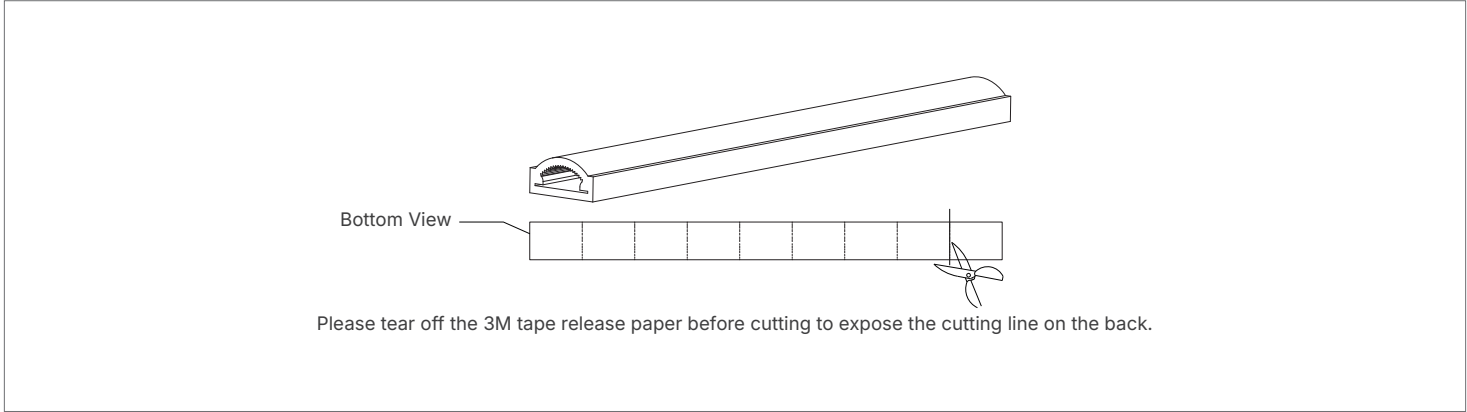
(6) 3M 300LSE adhesive tape attached on backside, is standard configuration.

(7) 200mm [7.9in.] length of AWG22 UL3239 cable is standard configuration in one end, is standard configuration.

(8) White reel and silvery ESD bag, are standard configuration.

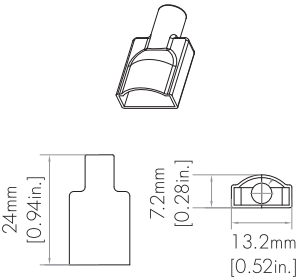
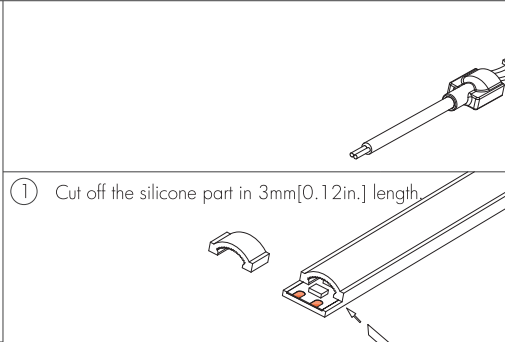
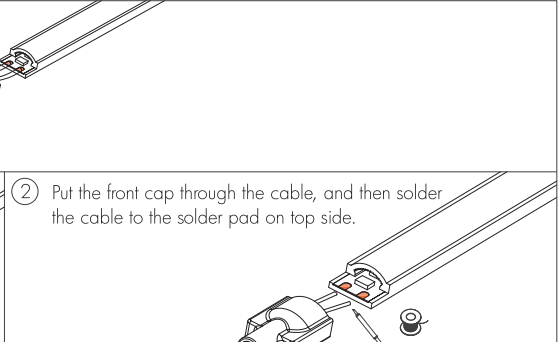
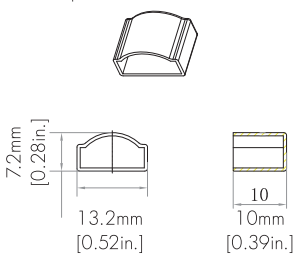
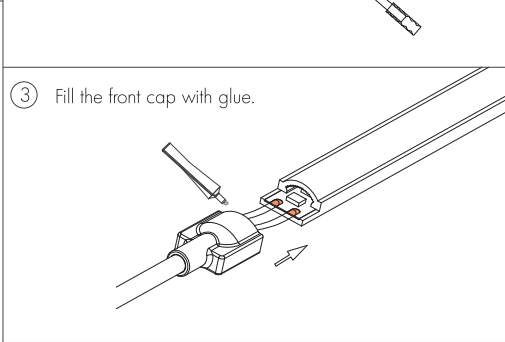
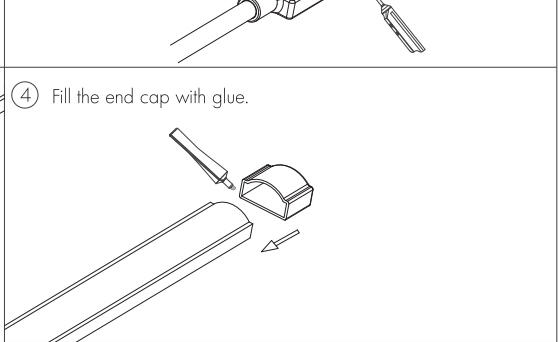
(9) Installation accessories such as clip, screw, connector etc. are all optional base on specific demand.

(10) Some parameters and configurations are customizable, do not hesitate to contact us for a more detailed discussion.

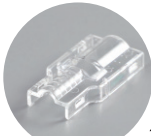
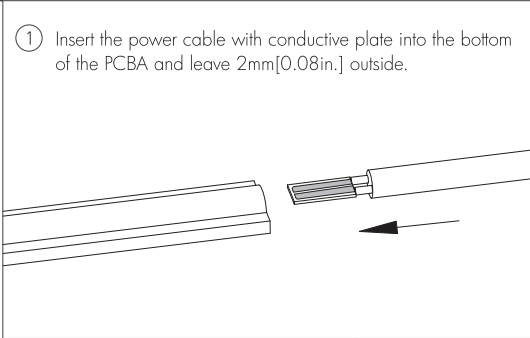
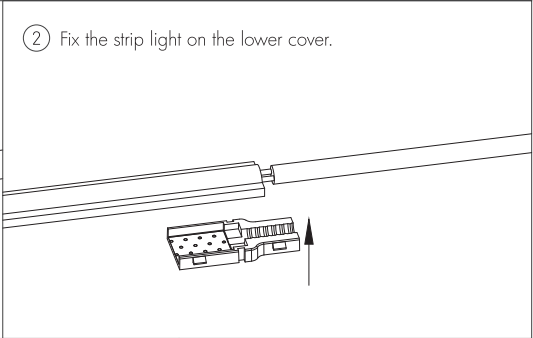
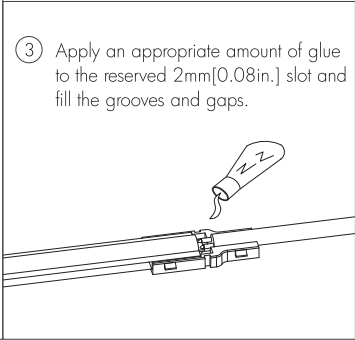
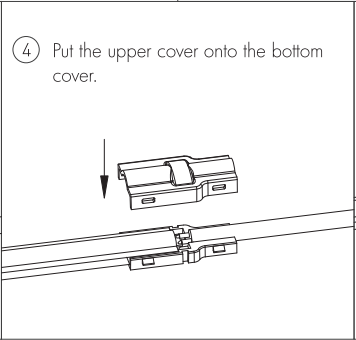
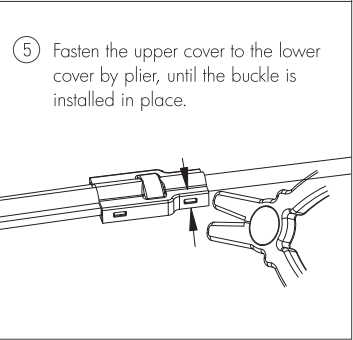


Assembly

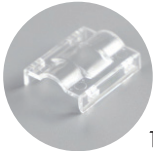
Option 1: Teminal is sealed with end cap by gluing process.

Front Cap  24mm [0.94in.] 7.2mm [0.28in.] 13.2mm [0.52in.]	 ① Cut off the silicone part in 3mm[0.12in.] length.  ② Put the front cap through the cable, and then solder the cable to the solder pad on top side.	
End Cap  7.2mm [0.28in.] 13.2mm [0.52in.] 10 10mm [0.39in.]	 ③ Fill the front cap with glue.	 ④ Fill the end cap with glue.

Option 2: Teminal is sealed with quick-assembly connector.

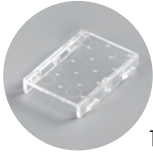
For The End Cap In Front		
 1X Upper cover in front  1X Lower cover in front  1X Power cable with conductive plate	 ① Insert the power cable with conductive plate into the bottom of the PCBA and leave 2mm[0.08in.] outside.	 ② Fix the strip light on the lower cover.
 ③ Apply an appropriate amount of glue to the reserved 2mm[0.08in.] slot and fill the grooves and gaps.	 ④ Put the upper cover onto the bottom cover.	 ⑤ Fasten the upper cover to the lower cover by plier, until the buckle is installed in place.

Assembly



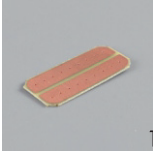
1X

Upper cover of extension connector



1X

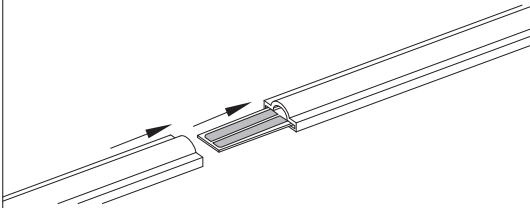
Lower cover of extension connector



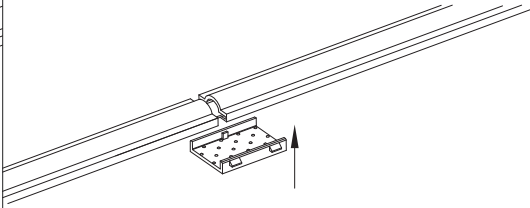
1X

Conductive connection plate

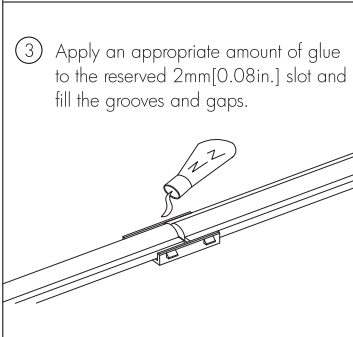
① Insert the conductive connection plate into the bottom of the PCBA of the two strip lights, and leave 2mm[0.08in.] outside in the middle.



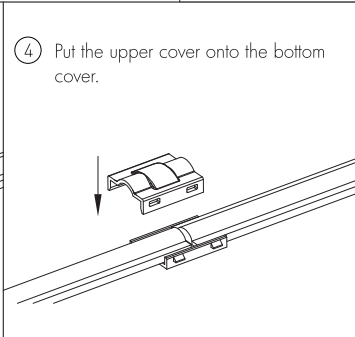
② Fix the two strip lights on the lower cover and align the limit structure.



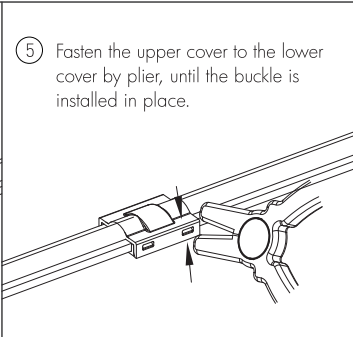
③ Apply an appropriate amount of glue to the reserved 2mm[0.08in.] slot and fill the grooves and gaps.



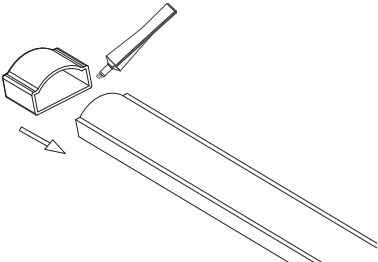
④ Put the upper cover onto the bottom cover.



⑤ Fasten the upper cover to the lower cover by plier, until the buckle is installed in place.



① Fill the end cap with glue.

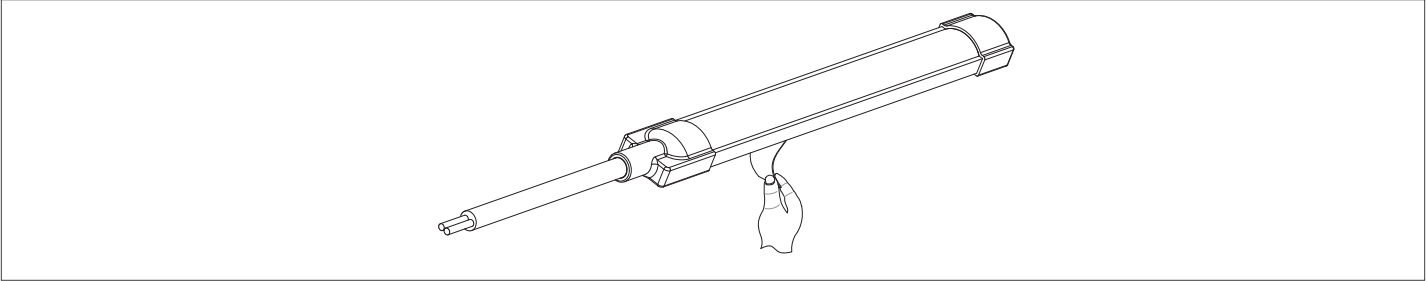


Connection (IP20)

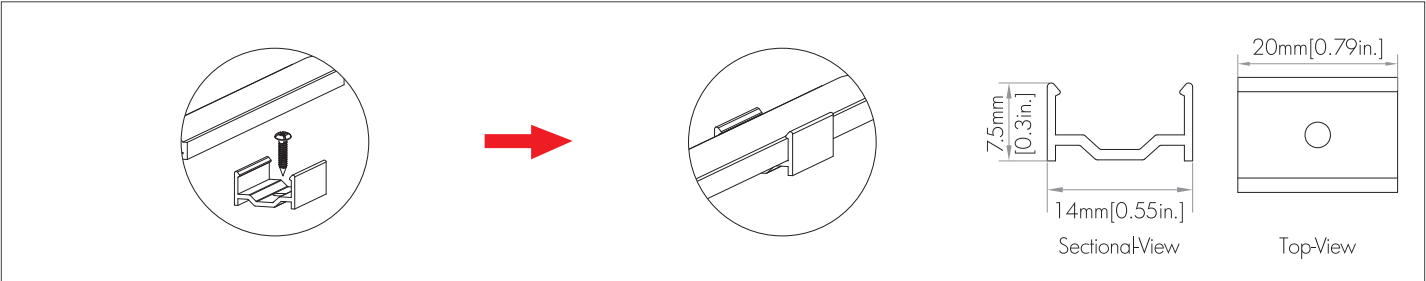
Product No.	Welding-Free Quick-Connection Accessory
PF2216-IP67-SS	Quick Assemble Connector Strip to Strip
PF2216-IP67-PF2P	Quick Assemble Connector Strip to Wire
PF2216-IP67-EC	End Cap Pairs

Installation

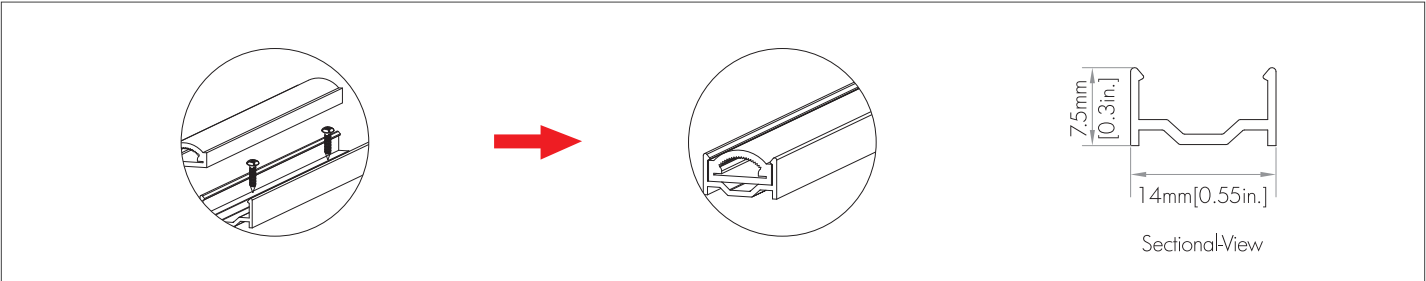
Option 1: Fixed by 3M tape



Option 2: Fixed by aluminum bracket and screw

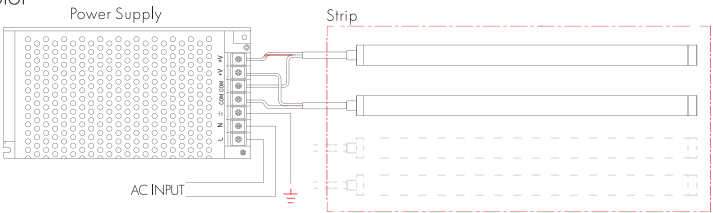


Option 3: Fixed by aluminum profile and screw

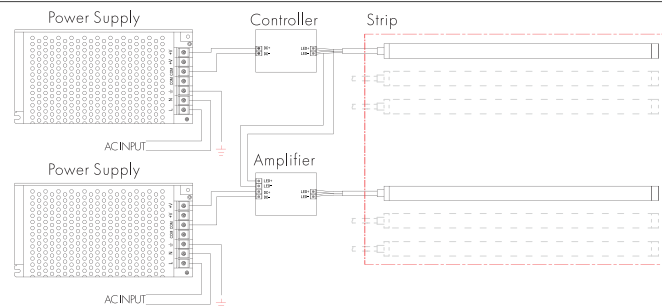


Connection

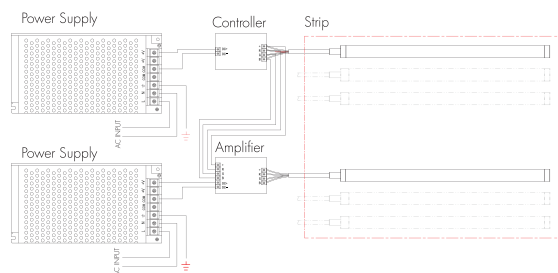
Non-Dimming Status for Single Color



Dimming Status for Single Color



Dimming and tuning status for RGB



Important notice for wiring: the linkable connection must be from DI to DO strictly following the arrow printing on connector, it can't be made by reverse connection, otherwise the product will be out of control and even damaged.

Packing Information



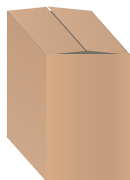
Roll the strip to the Reelt



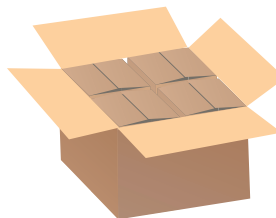
Put into the ESD Bag



Put desiccant and accessories into the ESD bag



Put into the inner carton



Put into the outer carton

Notice

1. Adopt a suitable power supply with power that is 20% higher than the max. power of the product, to ensure the long-time performance of the power supply.
2. Do not install it when the power is on. Before powering on, make sure the wiring is correct.
3. Avoid privately changing or damaging the circuit or other components of the product.
4. Avoid scrapes, twists, and irregular bends during installation, which might cause non-repairable status.
5. Linkable connection over a long length for the product will lead to a problem of overload or uneven brightness.
6. To protect your eyes, do not stare at the product for a long time when illumination.
7. Only professional personnel can install, dismantle and repair.