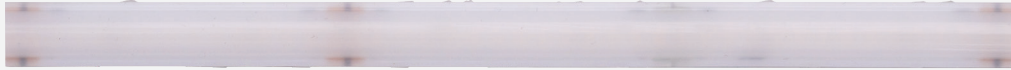


Archilight Ultra-Thin Dot-Free IP54 Pure Flow Series LED Neon Strip

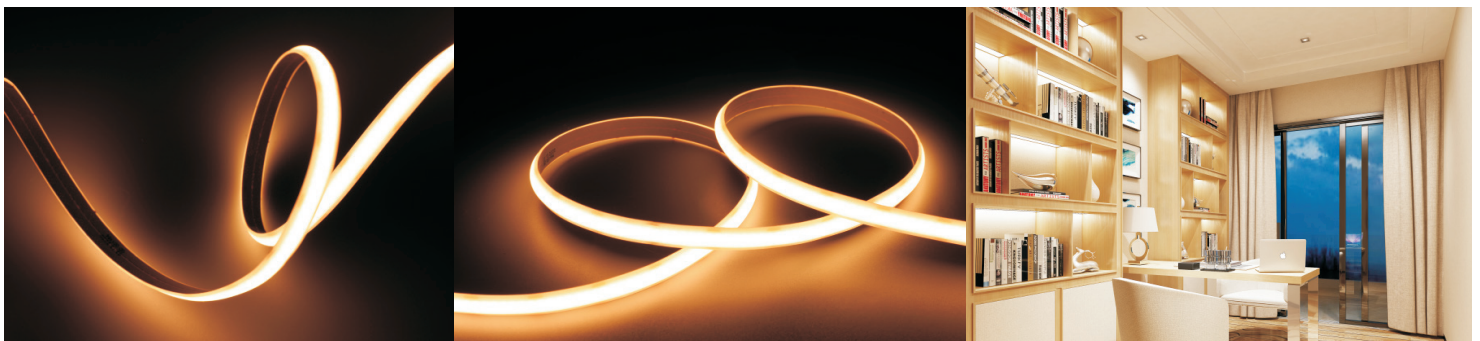


Features

- ⦿ Dot-free linear and homogeneous lighting performance.
- ⦿ Very flexible top-bend style in ultra-thin appearance.
- ⦿ Multiple voltages, widths, LED densities and powers.
- ⦿ Infield cutting and assembly, simple mounted by 3M tape.
- ⦿ Quite short cutting unit with high density LED array.
- ⦿ More reliable and mature solution assure 50,000h lifespan and 5 years warranty, using LM80&TM-21 certified and mini. 2216 LED.
- ⦿ More perfect color consistency, uniform lighting area for the entire run length.
- ⦿ Much wider lighting area, no dark angle emitting part on both edges.
- ⦿ More flexible customized of parameters such as color, CCT, CRI, brightness, power etc.
- ⦿ Better structural and mechanical property against quality issues during usage and processing.
- ⦿ Higher production efficiency and quality rate adopting mature silicone extrusion processing technology. with high transmittance in 85-95%.
- ⦿ Ultra-long production and packing length up to 50M[164ft.] per spool.
- ⦿ Higher waterproof rating in IP54 for indoor application.
- ⦿ Higher price-performance ratio.

Application

- ⦿ Excellent lighting solution for residential and retail market.



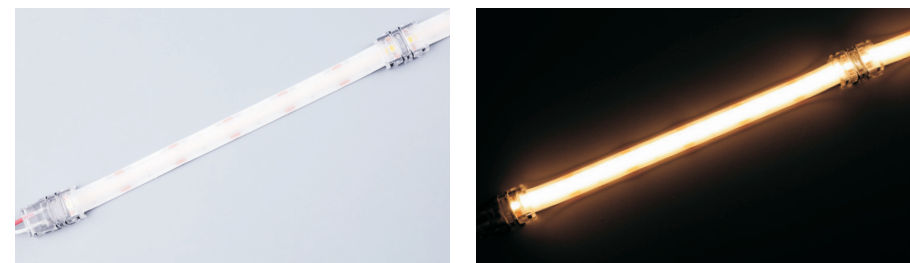
General Specification

Part No.	Dimension	Max. Length (La)	Increment (L1)	LED Type	LED QTY	IP Rating	Operating Ambient	Lifespan	Warranty
PF2216-12W2 454GLE	L5000*W8*H3.5 mm [L197*W0.31*H 0.14mm]	5M [16.4ft.]	41.7mm [1.6in.]	SMD 2216	336LED/M [102LED/ft.]	IP54 [Damp]	Ta: -20~45°C	50,000h(indoor) (L70B50@ Tc≤65°C, Tc is the temp. of LED pin)	5 years (indoor)

Photoelectric Specification

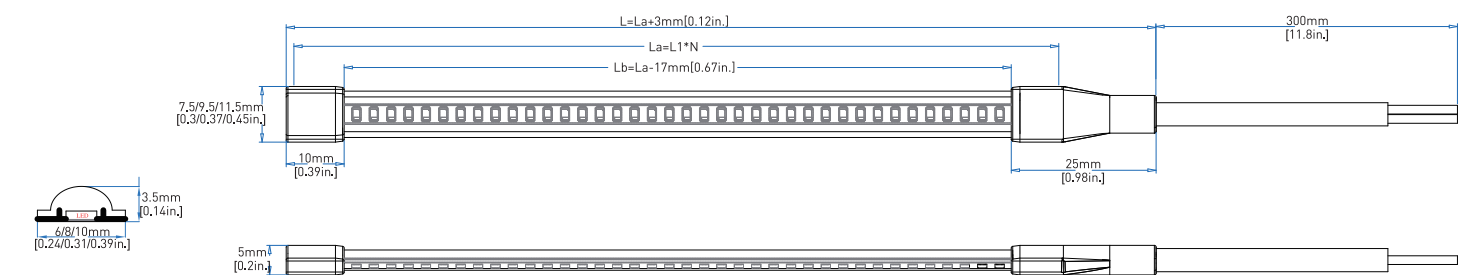
Part No.	Power ±10%	Operating Voltage	Finished Product CCT/ Wavelength	CRI90, 4000K		Beam Angle
				Luminous Flux±10%	Light Efficiency	
PF2216-12W2 454GLE	12W/M [3.7W/ft.]	24VDC	3000/4000/6500K	1020lm/M [310lm/ft.]	85lm/W	Vertical 120° / Horizontal 140°

- (1) Luminous flux for CCT 3000K is 5% lower, for CCT 6000K is the same, compared with 4000K.
- (2) The Max. Length (La) is defined as power fed on one side.
- (3) Applying with extra heat sink, it's not necessary with self-cooling capacity for ≤15W/M[4.57W/ft.], it's proposed for 15-20W/M[4.57-6.1W/ft.] and it's mandatory for >20W/M[6.1W/ft.].
- (4) 3M 300LSE adhesive tape attached on backside, is standard configuration.



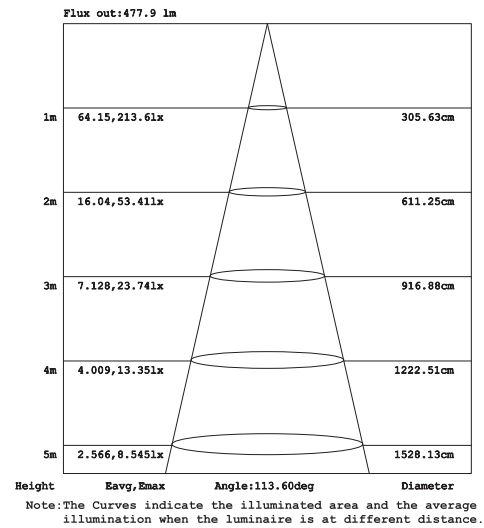
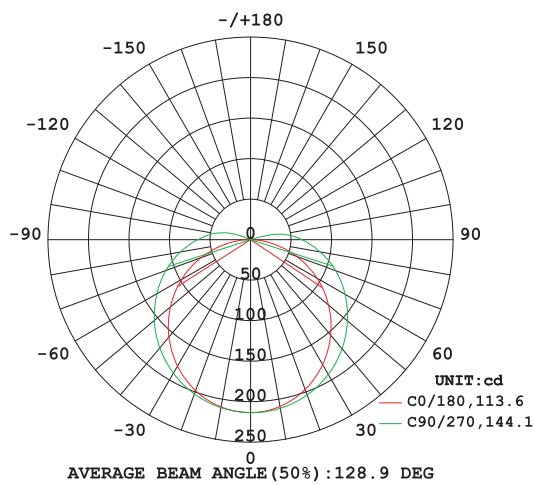
Dimension Drawing

Power Rear Feed
Unit: mm[inch]



L:Total Length, La: Strip Length, L1:Min. Length, N=1,2,3.....

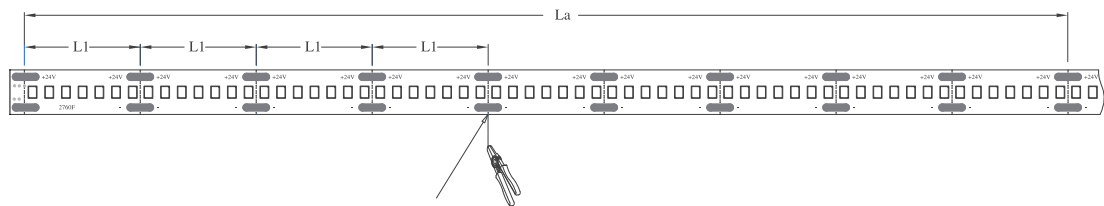
Light Distribution Diagram



19W/M[5.8W/ft.], CRI90, 4000K, 0.5M[1.64ft.]

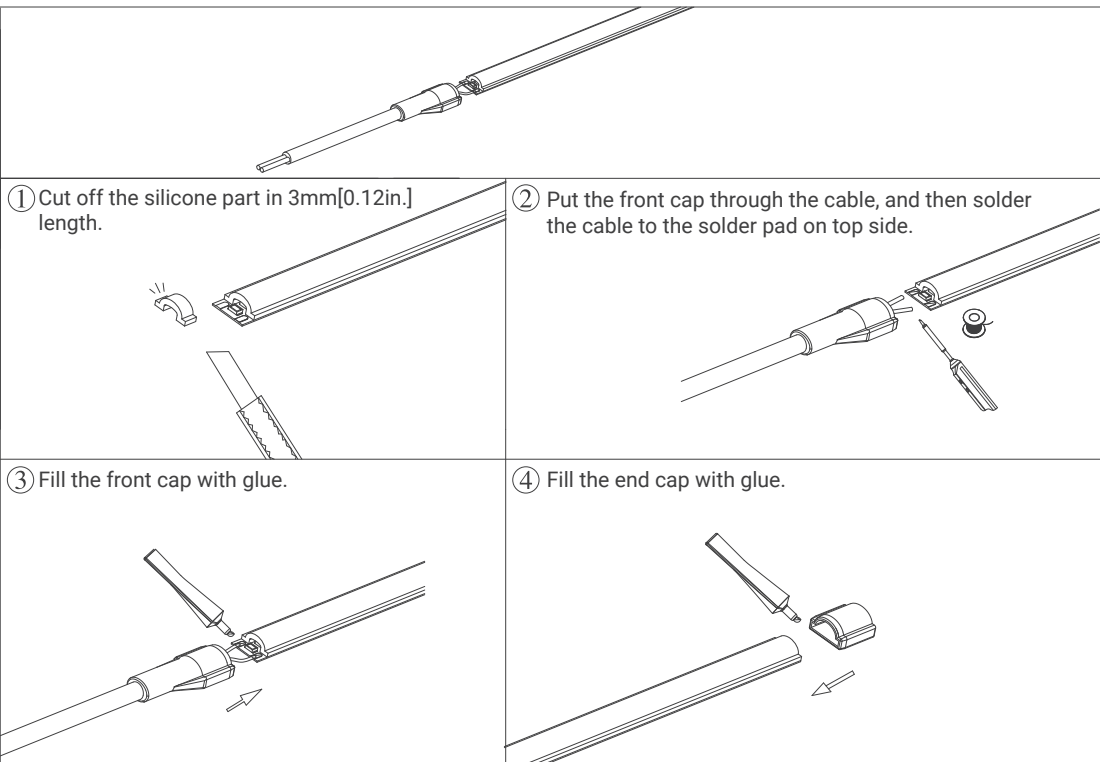
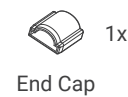
General Characteristics

(1) Cutting

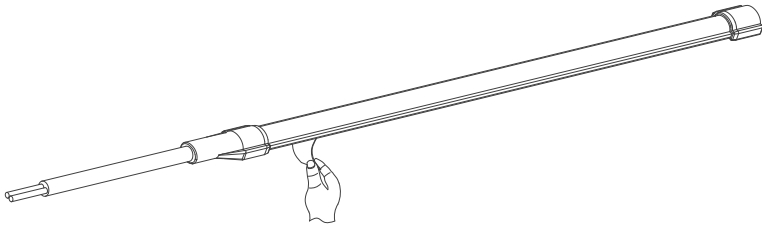


Power off, and then cut the strip along the cutting line mark.
Bending the strip upwards a little bit while cutting, will make the processing operation more simple and precise.

(2) Assembly



(3) Installation



Peel off the 3M tape on bottom, and then attach to the mounting surface.

Available Accessories

Aluminum Profile
Unit: mm

EXLP03

EXRS03

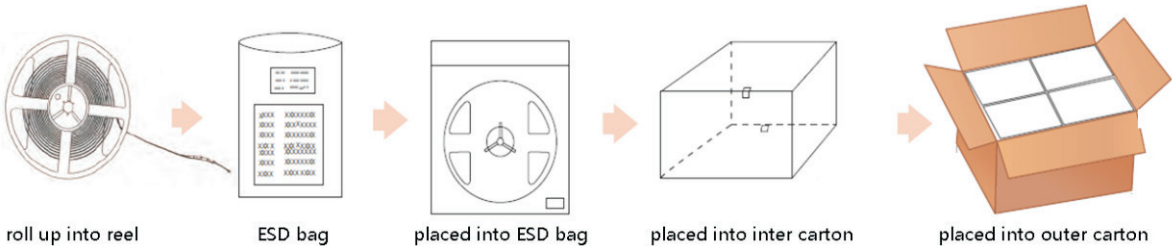
EXCR01

Power Supply

Envo Driver

LPV Series

Packing Information



Part No.	Product Dimension	Product N.W.	Reel Size	ESD Bag Size	Inner Carton Size	Outer Carton Size	Product QTY/ Inter Carton	Product QTY/ Outer Carton	Carton Total N.W.	Carton Total G.W.
PF2216-12W 2454GLE	L5000*W8*H 3.5mm [L197*W0.31 *H0.14in.]	0.14kg	D178*H 10mm [D7*H0. 39in.]	L215*W 245mm [L8.46*W 9.65in.]	L260*W220* H250mm [L10.2*W8.66 *H9.84in.]	L540*W450* H265mm [L21.3*W17.7 *H10.4in.]	16pcs	64pcs	11.2kg	13.2kg

1. Adopt suitable power supply with power is 20% higher than the max. power of luminary, 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 luminary.
4. Avoid scrape, twist and irregular bend during installation, which might cause non repairable status for the luminary.
5. Minimum bending diameter definition, is 30mm[1.18in.], too small bending diameter will break the luminary.
6. Luminary linked in over long length will lead to problem of overload or uneven brightness.
7. To protect your eyes, do not stare at the luminary for a long time while it's illuminated.
8. Only professional personnel can install, dismantle and repair.