

Archilight Pure Flow Series Ultra-Thin Dot-Free IP67 LED Neon Strip

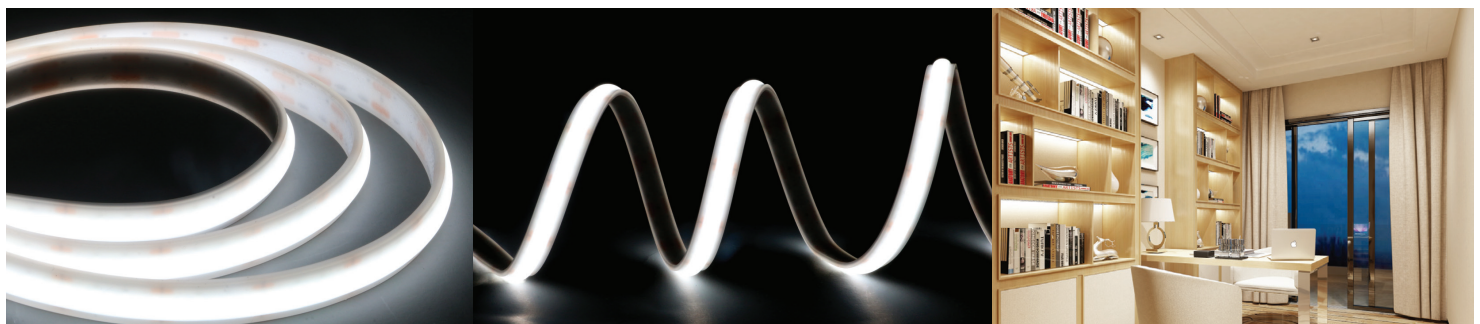


Features

- ⦿ Dot-free linear and homogeneous lighting performance.
- ⦿ Very flexible top-bend in ultra-thin appearance.
- ⦿ Onsite simple cutting and assembly operation, easy mounting way by adhesive tape.
- ⦿ Quite a short increment with high density LED array.
- ⦿ More reliable and mature SMD solution assures 50,000h lifespan and 5 years warranty, by using 2216 Pro LED with LM80&TM-21 certified.
- ⦿ Higher price-performance ratio with more flexible customization.
- ⦿ More advanced parameters on color, CCT, CRI, brightness, power, etc.
- ⦿ More perfect of brightness and color consistency for the entire run length.
- ⦿ Much wider luminous surface, no dark area at the edge.
- ⦿ Better structural and mechanical properties against quality issues during usage and manufacturing.
- ⦿ Higher production efficiency and quality yield by adopting silicone extrusion processing technology.
- ⦿ Longer packing length up to 50M[164ft.] per spool.
- ⦿ Higher waterproof grade in IP67 for indoor and outdoor application.

Application

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



General Specification

Part No.	Dimension	Max. Length (La)	Increment (L1)	LED Type	LED QTY	IP Rating	Operating Ambient	Lifespan	Warranty
PF2216-10W2 467GLE	W10*H5mm [W0.39*H0.2in.]	10M[32.8ft.] power feed on both side	25mm [0.98in.]	SMD 2216	320LED/M [97LED/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, Tc is the temp. of LED pin)	5 years

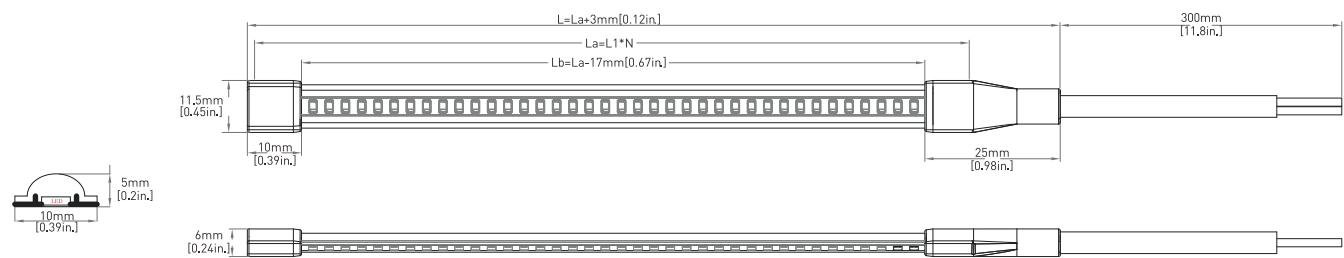
Photoelectric Specification

Part No.	Power ±10%	Operating Voltage	Finished Product CCT/ Wavelength	CRI90, 4000K		Beam Angle
				Luminous Flux±10%	Light Efficiency	
PF2216-10W2 467GLE	10W/M [3.1W/ft.]	24VDC	3000/4000/6500K	1100lm/M [340lm/ft.]	110lm/W	150° (perpendicular to the LED strip) & 110° (parallel to the LED strip)

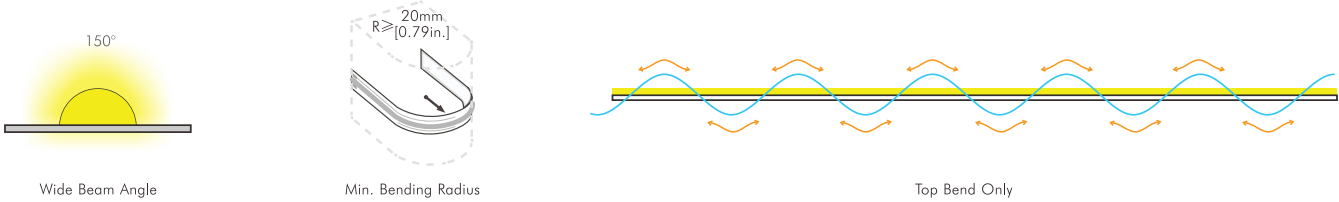
- (1) The lumen flux value above comes from integrated sphere report, it might be higher in IES report.
- (2) The lumen flux value above is base on 1M[3.28ft.] length, it need to be measured and considered separately for other longer lengths.
- (3) Luminous flux for CCT 3000K is 5% lower, for CCT 6000K is the same, compared with 4000K.
- (4) Energy efficiency class of regulation (EU)2019/2020 is F(CRI90) in IP67, it waries depending on CCT, CRI and IP rating.
- (5) Applying with extra heat sink, is not necessary with self-cooling capacity .
- (6) 3M 300LSE adhesive tape attached on backside, is standard configuration of plus series.
- (7) 300mm length of double insulated PVC cable in one end, white reel and silvery ESD bag, are standard configuration of plus series.
- (8) Installation accessories such as clip, screw, connector etc. are all optional base on specific demand.

Dimension Drawing

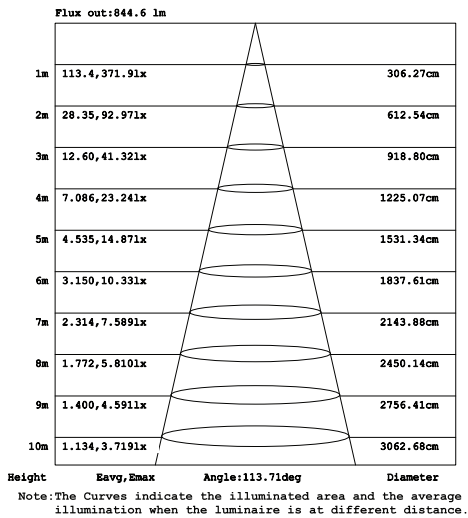
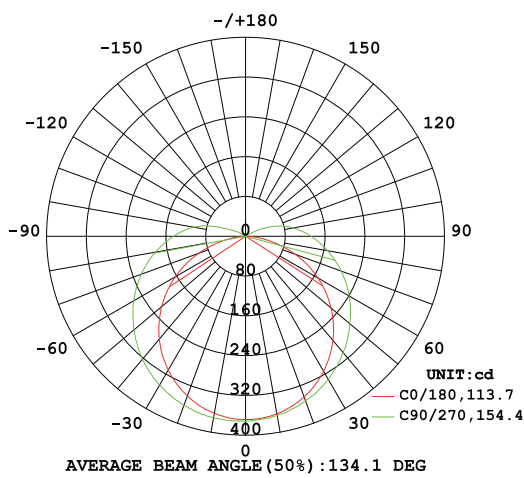
Power Rear Feed
Unit: mm[inch]



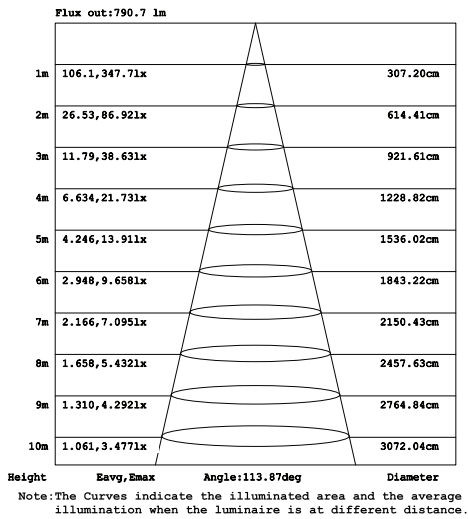
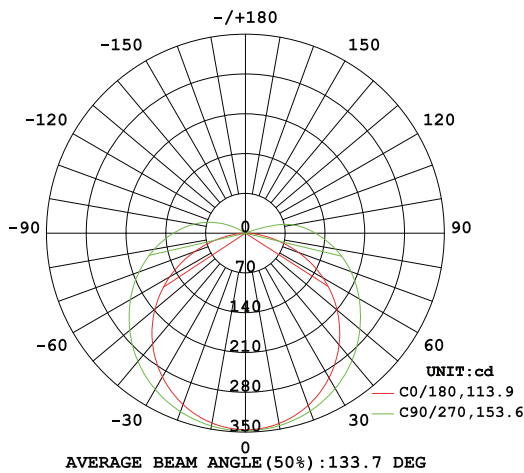
L:Total Length, La: Strip Length, L1:Min. Length, N=1,2,3.....



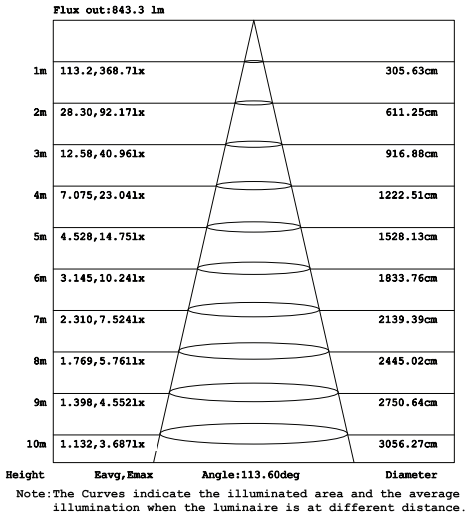
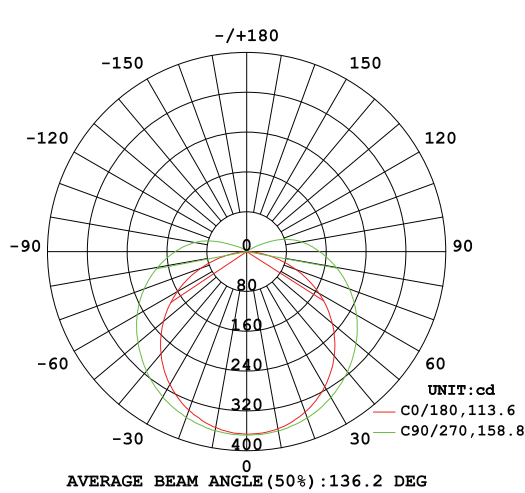
Light Distribution Diagram



320LED/M[97LED/ft.], 10W/M[3.1W/ft.], 4000K, CRI90, 1M[3.28ft.]



368LED/M[112LED/ft.], 12W/M[3.7W/ft.], 2700K, CRI90, 1M[3.28ft.]

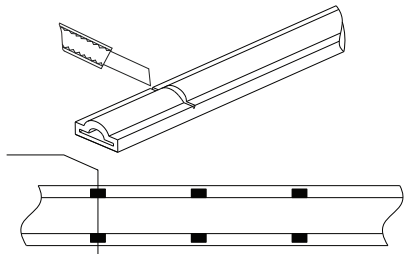


416LED/M[126LED/ft.], 14W/M[4.3W/ft.], 3000K, CRI90, 1M[3.28ft.]

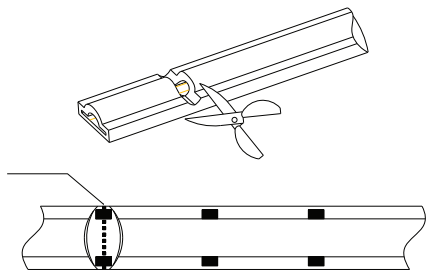
General Characteristics

(3) Cutting

Find the solder pad at the cutting position according to the length requirements, and then cut open the upper silicone jacket with a knife, to align the center of the solder pad. Be careful not to cut the PCBA.



Bend the strip slightly upwards, and cut it along the inner PCB's cutting line exposed from the opening with scissors.



(3) Assembly

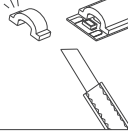


Front Cap

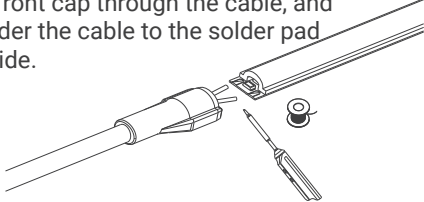


End Cap

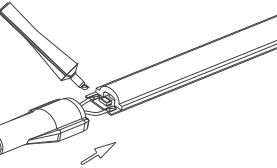
① Cut off the silicone part in 3mm[0.12in.] length.



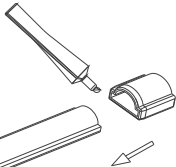
② Put the front cap through the cable, and then solder the cable to the solder pad on top side.



③ Fill the front cap with glue.

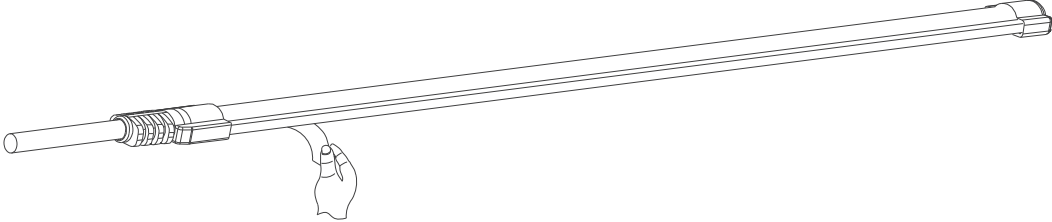


④ Fill the end cap with glue.



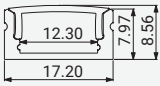
(3) Installation

Option 1: Fixed by 3M tape

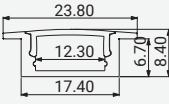


Available Accessories

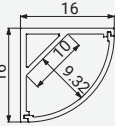
Aluminum Profile
Unit: mm



EXLP03



EXRS03



EXCR01

Power Supply

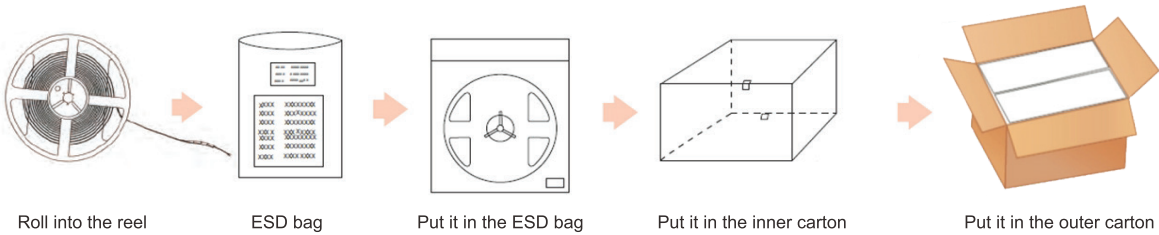


Envo Driver



LPV Series

Packing Information



Part No.	Product Dimension	Product N.W.	Carton Size	Product QTY/Carton	Carton Total G.W.
PF2216-10W2467GLE	L5000*W10*H5mm [L197*W0.39*H0.2in.]	0.24kg	L455*W270*H265mm [L17.9*W10.6*H10.4in.]	26pcs	8.9kg