

LUXYLED EVO TRITON

LINEAR LIGHT

MAIN CHARACTERISTICS

- IP68 waterproofing up to 3mt, underwater immersible application.
- Adopting multiple waterproof designs, such as ultra thin coating layer on PCBA, underwater dedicated cable with anti-wicking ferrule, thickened wire pressing copper ring, good sealing hydraulic end cap and high forces-withstand structure.
- Compact and sturdy structural design with IK08 impact resistance.
- Exquisite appearance and soft touch thanks to the dust-proof matte finishing coating. Consistent overall size and homogeneous lighting performance in 5mt.
- Excellent silicone material with high weather resistance (UV, yellowing, heat, and cold resistance), and excellent chemical stability (chlorine, ozone, acid, and alkali resistance).
- Dimming available with PWM signal.
- 50.000 hours LED lifespan, and 3 years warranty.
- CE approved that includes the segmented application standard.



BEST ADVANTAGE

CUT IT WHEREVER YOU NEED

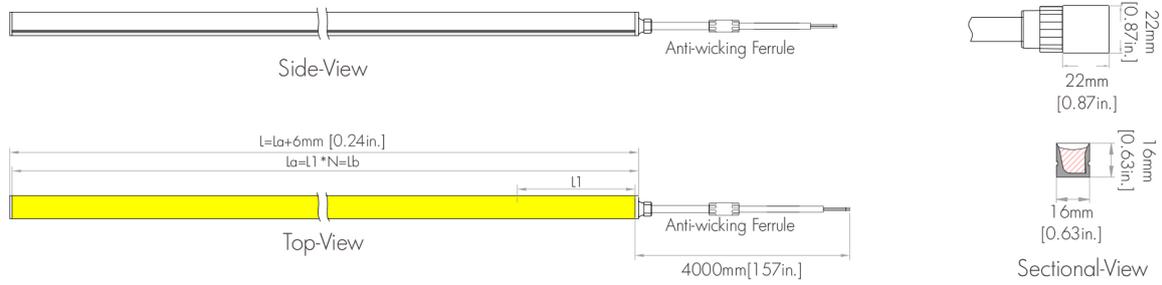
ZERO MODULE is a technology which allows you to cut LUXYLED wherever you need without respecting any fixed and predetermined cutting point. Thanks to it, each installation regardless its length and complexity, will be always and constantly perfect.

Type	Bending	Dimension	Cutting Unit	IP Rating	Operating temp.	Lifespan	Beam Angle	Max. Length Single Feed
Luxyled Evo TRITON (WHITE)	TOP BEND	W16xH16mm W0,63xH0,63in	ZERO MODULES TECHNOLOGY cut it wherever you want	IP68 (WET)	Ta: -20~45°C -4~113°F	50,000H (Tc ≤65°C[149°F])	120°	5m (16,4ft)
Luxyled Evo TRITON (CCT)			50mm (1,97in)					
Luxyled Evo TRITON (RGB)			50mm (1,97in)					
Luxyled Evo TRITON (WHITE)	SIDE BEND	W16xH16mm W0,63xH0,63in	ZERO MODULES TECHNOLOGY cut it wherever you want					
Luxyled Evo TRITON (WHITE)		W11.5xH20mm W0,45xH0,79in	50mm (1,97in)					
Luxyled Evo TRITON (CCT)								
Luxyled Evo TRITON (RGB)								

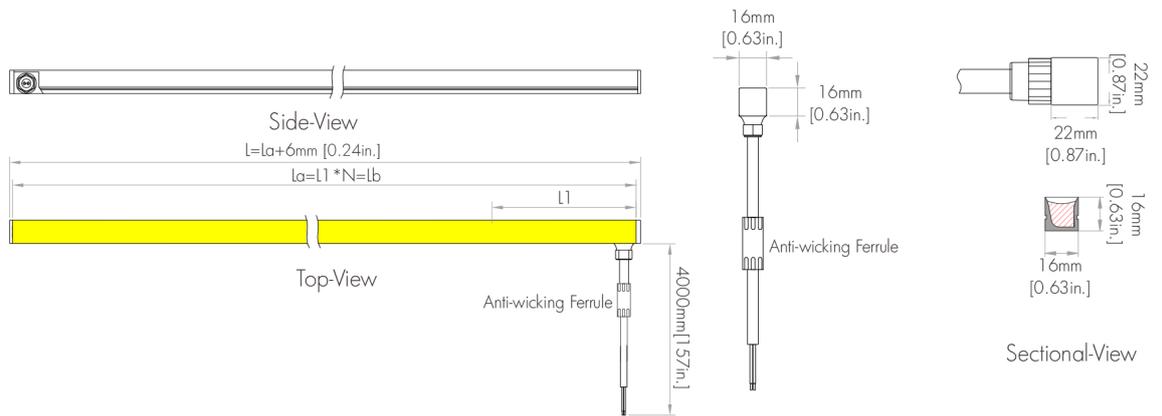
Type	W	V	K	Warranty (Outdoor)
Luxyled Evo TRITON (WHITE)	14W/m (4.27W/ft)	24Vdc	2700K 3000K 4000K 5000K	3 years
Luxyled Evo TRITON (CCT)			W: 2700-6500K CCT-TUNABLE	
Luxyled Evo TRITON (RGB)			R: 620-630MM G: 515-530MM B: 460-470MM	
Luxyled Evo TRITON (WHITE)			2700K 3000K 4000K 5000K	
Luxyled Evo TRITON (CCT)			W: 2700-6500K CCT-TUNABLE	
Luxyled Evo TRITON (RGB)			R: 620-630MM G: 515-530MM B: 460-470MM	

SIDE BEND 16x16 CABLE EXIT - EDGE LESS TECHNOLOGY

LINE FEED [1]

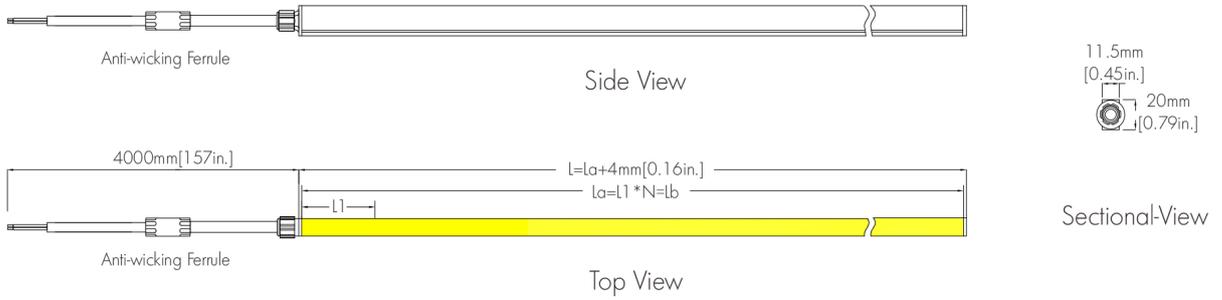


SIDE FEED - LEFT & RIGHT [2-3]

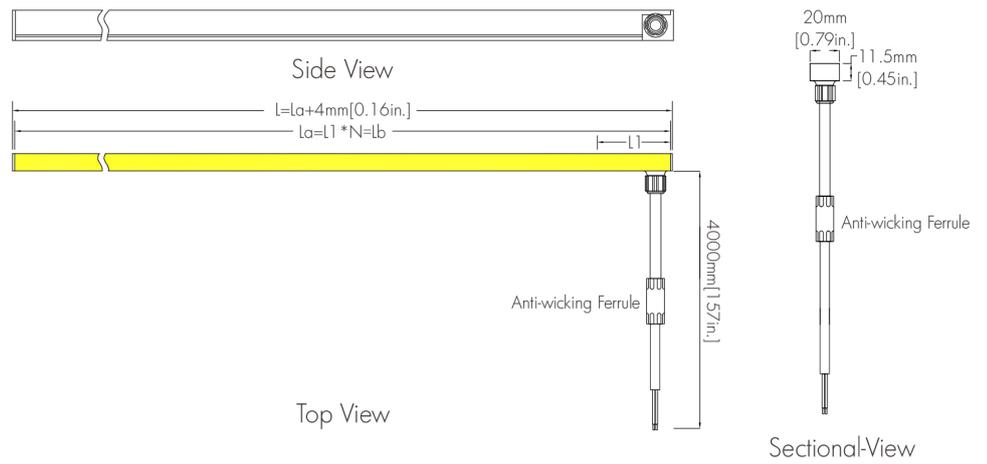


SIDE BEND 11.5x20 CABLE EXIT - EDGE LESS TECHNOLOGY

LINE FEED [1]

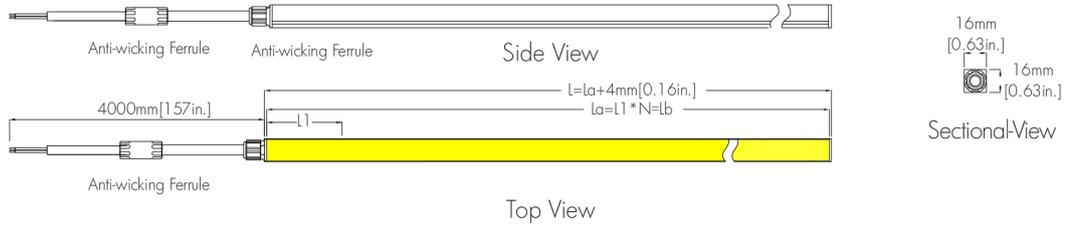


SIDE FEED - LEFT & RIGHT [2-3]

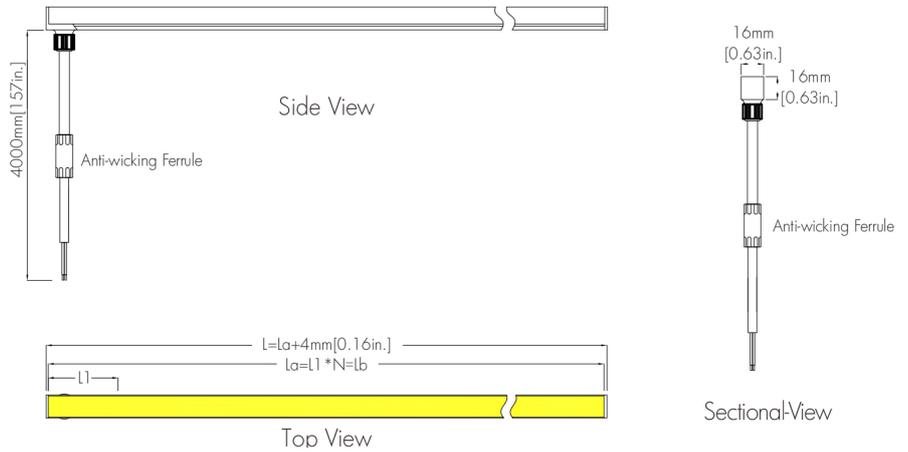


TOP BEND CABLE EXIT - EDGE LESS TECHNOLOGY

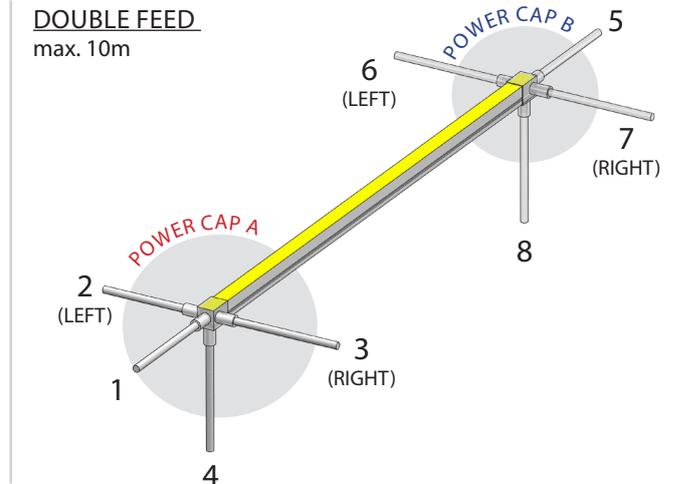
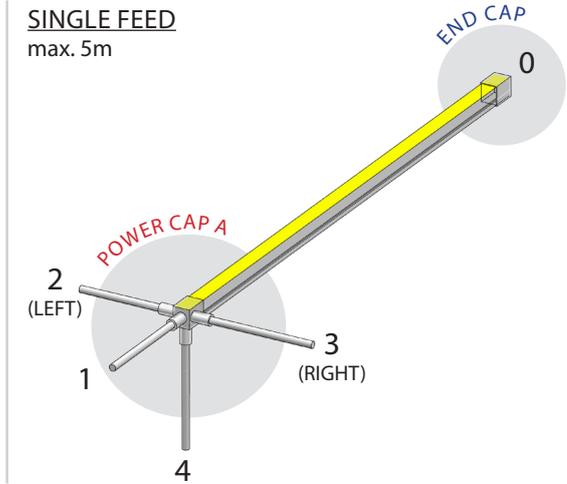
LINE FEED [1]



BOTTOM FEED [4]



CABLE EXIT OPTIONS

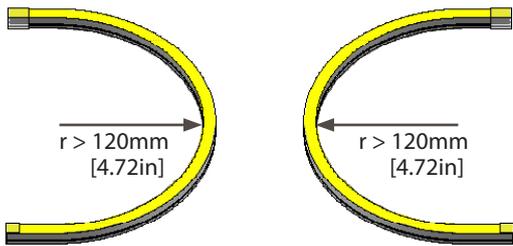


POWER CAP A	POWER CAP B / END CAP
1 - LINE FEED	0 - END CAP(single feed)
2 - SIDE LEFT FEED	5 - LINE FEED
3 - SIDE RIGHT FEED	6 - SIDE LEFT FEED
4 - BOTTOM FEED	7 - SIDE RIGHT FEED
	8 - BOTTOM FEED

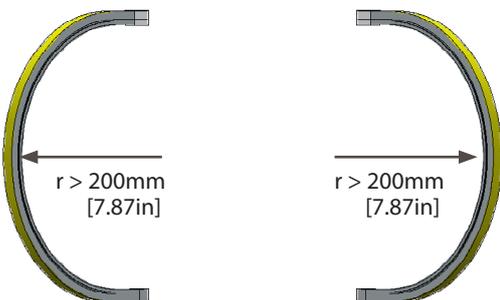
BENDING RULES

LUXYLED EVO TRITON

MINIMUM BENDING RADIUS / SIDE BEND $r > 120\text{mm}$ [4.72in]



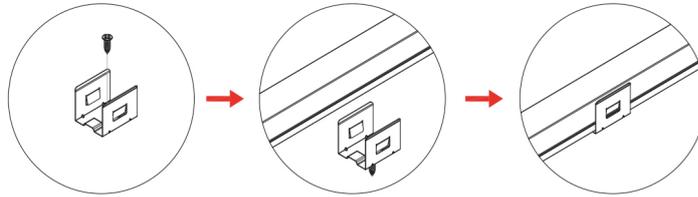
MINIMUM BENDING RADIUS / TOP BEND $r > 200\text{mm}$ [7.87in]



MAX. TWIST ANGLE IS 360° per 1000m [39,4in]

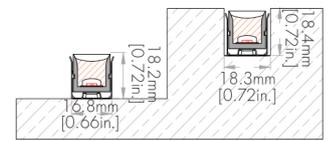
FIXING ACCESSORIES

Fixed by bracket and screw



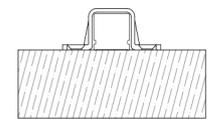
Note: Silver color is standard; white color is optional.

Space & Groove are shown as below



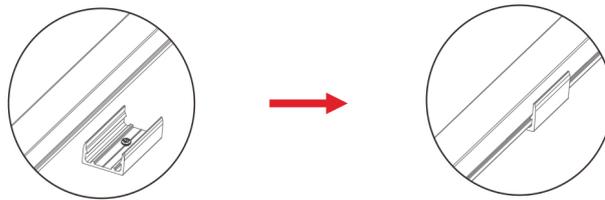
Surface & Recessed mounting

Fixed by clip and screw

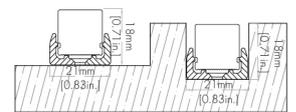


Surface Mounting

Fixed by bracket and screw



Groove size is shown as below

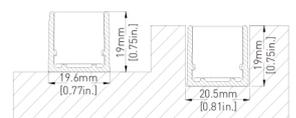


Surface Mounting Flush Mounting

Fixed by PC profile and screw



Groove size is shown as below

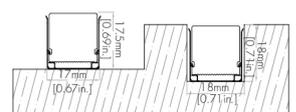


Surface Mounting Flush Mounting

Fixed by bendable bracket and screw



Groove size is shown as below

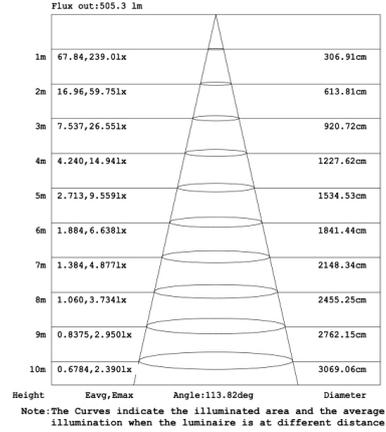
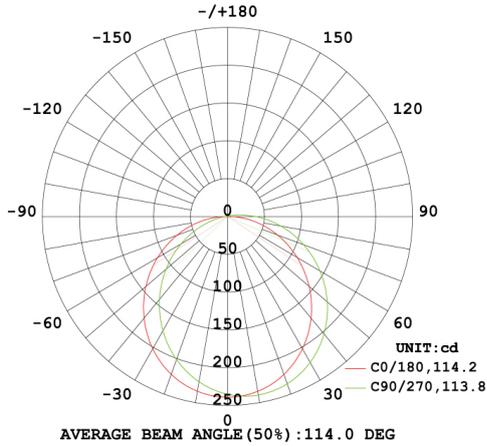


Surface Mounting Flush Mounting

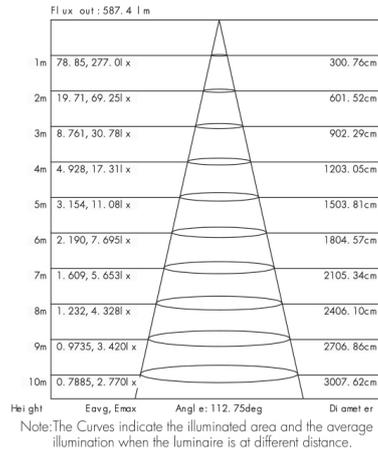
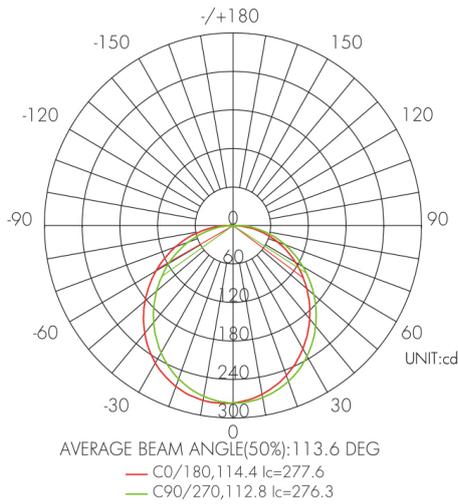
Note: Silver color is standard; white color is optional and shipped in 1M[3.94ft.] per piece.

LUXYLED EVO TRITON

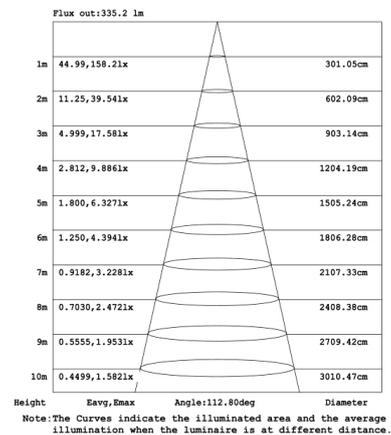
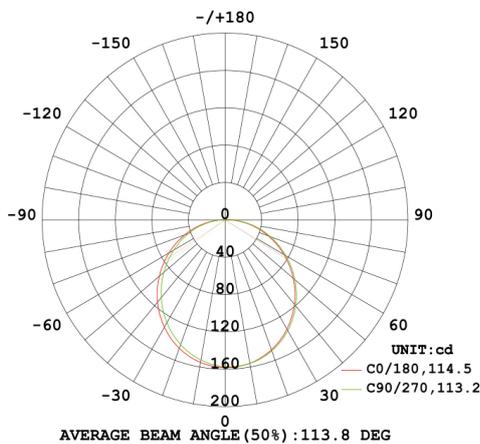
LIGHT DISTRIBUTION DIAGRAM



Top-Bend (14W, CRI90, 3000K)



Side-Bend (14W, CRI90, 3000K)



Side-Bend (14W, CRI90, 4000K)

RELIABILITY

Test Items	Test Condition & Methods	Result
Waterproof test	Immerse the neon strip in the water immersion pressure testing machine with 0.05Mpa atmosphere (equivalent to 5M water depth) for 168h	Pass
Dust&Waterproof Test	High temperature and high pressure spray test, with water temperature in $80\pm 5^{\circ}\text{C}$, pressure in 8000~10000kPa and water flow in 14~16L/min.	Pass
Impact resistance test	A 500g steel ball from 1M height freely falling on the top and bottom side of neon strip for 5 times	Pass
Salt Spray Test	Chamber Temp.= $35\pm 2^{\circ}\text{C}$, solution concentration=(50 ± 5)g/L, salt spray settlement=(1.5 ± 0.5)mL/($80\text{m}^2\cdot\text{h}$), solution pH=6.5-7.2, test for 168h.	Pass
Chlorine Water immersion test	Chlorine water, 10mg/L, $T_a=23^{\circ}\text{C}$, immersion for 168h	Pass
Weak alkali immersion test	Na_2S Saturated solution, $T_a=23^{\circ}\text{C}$, immersion for 72h	Pass
Strong alkali immersion test	NaClO Solution, 100000mg/L, $T_a=23^{\circ}\text{C}$, RH=50%, immersion for 168h (Effective ingredients of 84 disinfectant solution)	Pass
Strong alkali immersion test	$\text{Ca}(\text{ClO})_2$ Solution, 100000mg/L, $T_a=23^{\circ}\text{C}$, RH=50%, immersion for 168h (Effective ingredients of bleach powder)	Pass
Ozone aging	50pphm, $T_a=23^{\circ}\text{C}$, RH=50%, aging for 168h	Pass
High temperature high humidity test	Light up the neon strip in the oven with Temp.= 85°C &RH=85% for 168h	Pass
Temperature rise test	Light up the neon strip with 24V&26.4VDC and measure the temperature of all components at $T_a=25^{\circ}\text{C}$ & 45°C	Pass
Bending test	Bend the neon strip around the $\phi=200\text{mm}$ cylinder for 50/100 times	Pass
Twist test	Twist the neon strip 0- 360° forward and backward for 500 times	Pass