

UNDERWATER LED NEON STRIP 13×13mm

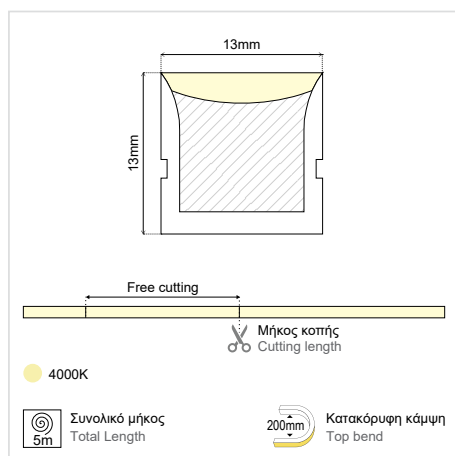
7W/m 4000K 24V IP68 CRI90

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SKU: E9010805-086

DATASHEET



GENERAL INFORMATION

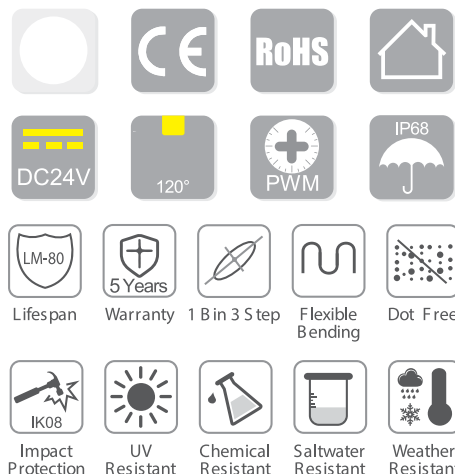
APPLICATION:	Underwater
CABLE INCLUDED:	Yes
IP RATING:	IP68 (Max. 3m underwater)
IK RATING:	IK08
JACKET:	White Jacket
BEND STYLE:	Top bend
BEND RADIUS:	>100mm
OPERATING AMBIENT:	Ta:-20~45°C
LIFETIME:	50000 hours (L70@ Tc≤65°C, Tc is the temp. of LED pin)
WARRANTY:	5 years
ORIGIN:	PRC

DIMENSIONS / WEIGHT

DIMENSIONS (W×H):	13 × 13 mm
TOTAL LENGTH:	5m
CUTTING LENGTH:	Free cutting
MAX BEND DIAMETER:	200mm
PRODUCT N.W.:	1.03kg
PRODUCT QTY/CARTON:	5pcs
CARTON TOTAL G.W.:	7.7kg

ILLUMINANT

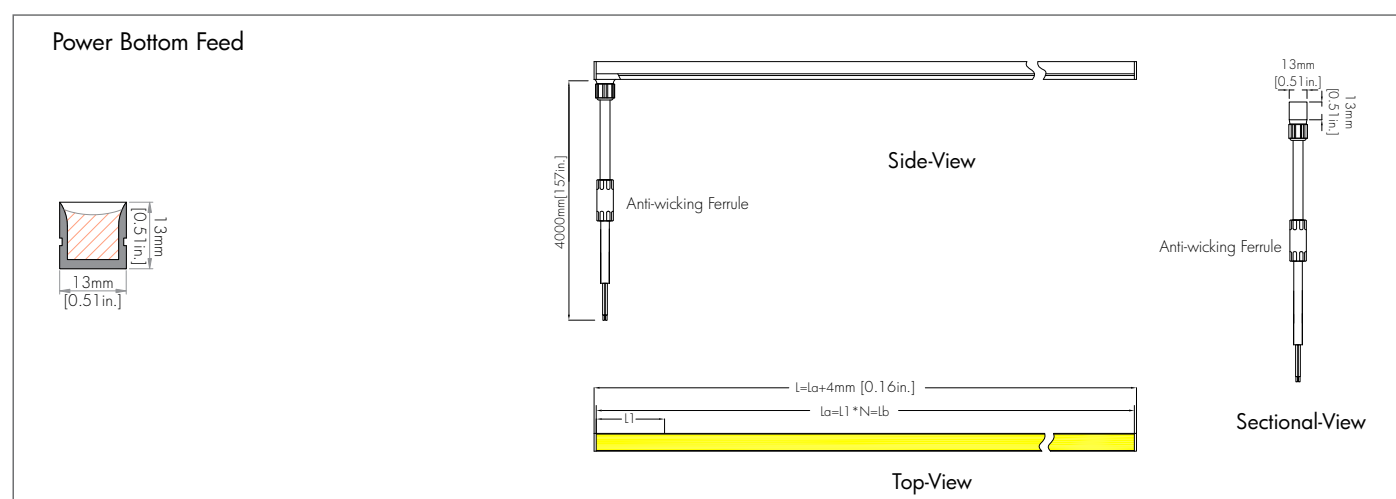
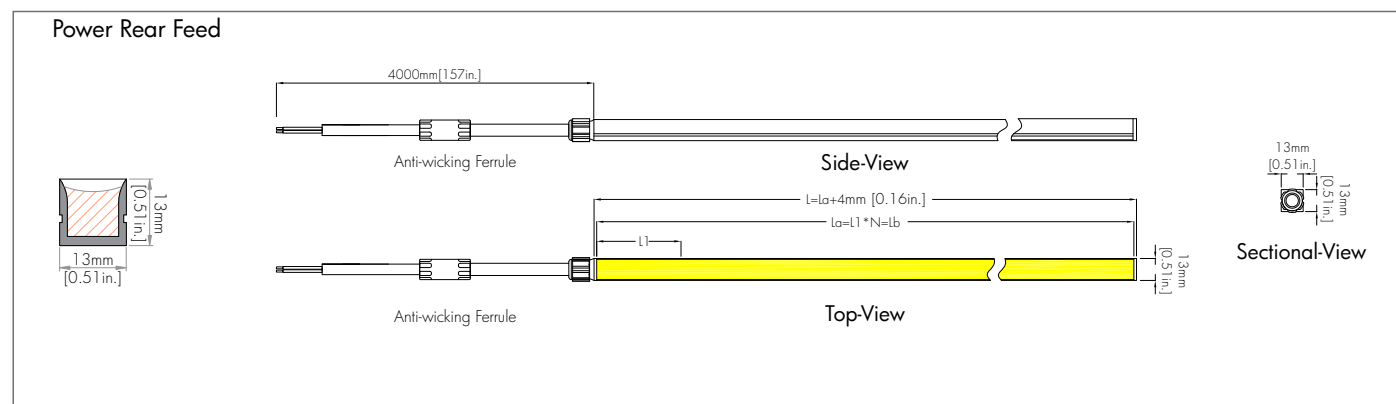
LED TYPE:	2835 SMD
LED QUANTITY:	120 LEDs/m
VOLTAGE:	24VDC
WATTAGE:	7 W/m
CCT:	4000K ±300K
SDCM:	3-Step
CRI:	Ra>90
BEAM ANGLE:	120D
LUMINOUS FLUX:	480 lm/m±10%
LIGHT EFFICIENCY:	69 lm/W



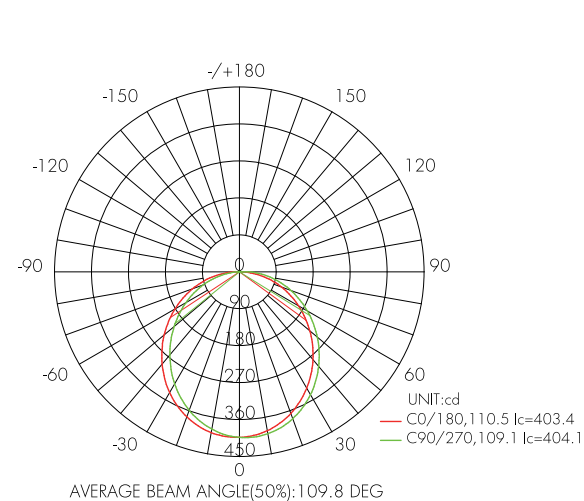
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DIMENSIONS / DIAGRAM



LIGHT DISTRIBUTION DIAGRAM



Flux out : 794.8lm

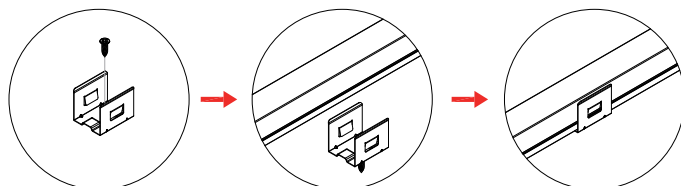
Height	Eavg, Emax	Angle: 109.00deg	Diameter
1m	124.0, 404.1 lx		280.41cm
2m	31.01, 101.0 lx		560.82cm
3m	13.78, 44.90 lx		841.23cm
4m	7.752, 25.25 lx		1121.64cm
5m	4.961, 16.16 lx		1402.05cm
6m	3.445, 11.22 lx		1682.46cm
7m	2.531, 8.246 lx		1962.87cm
8m	1.938, 6.314 lx		2243.28cm
9m	1.531, 4.989 lx		2523.69cm
10m	1.240, 4.041 lx		2804.10cm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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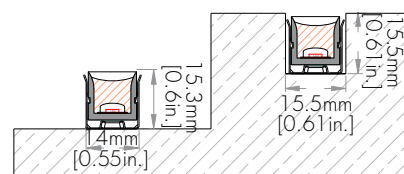
INSTALLATION

Fixed by bracket and screw



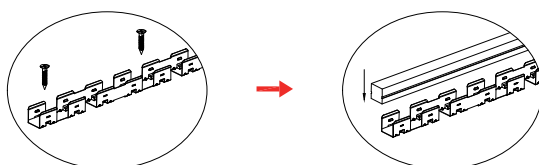
Note: Silver color is standard; white color is optional.

Space & Groove are shown as below



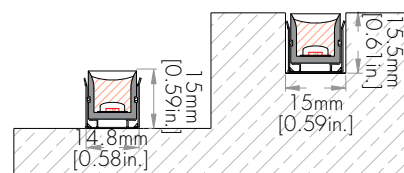
Surface & Recessed mounting

Fixed by bendable bracket



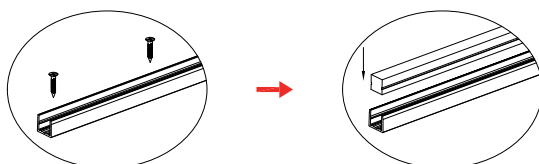
Note: Silver color is standard; white color is optional and shipped in 1M[3.94ft.] per piece.

Space & Groove are shown as below

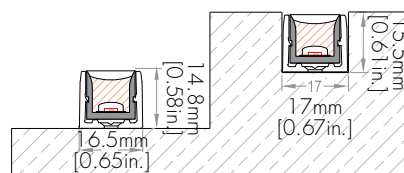


Surface & Recessed mounting

Fixed by PC channel



Space & Groove are shown as below



Surface & Recessed mounting

CONNECTION

White (Non-dimmable status)



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NOTICE

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 200mm[7.87in], too small bending diameter will break the luminary.
6. Minimum twist degree is 360° per 1000mm[39.4in.].
7. Luminary linked in over long length will lead to problem of overload or uneven brightness.
8. To protect your eyes, do not stare at the luminary 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.

