



# side view neon NL-1120H-BX



Flame  
Protected



Resistant  
to solvents



Saltwater  
resistant



UV resistant



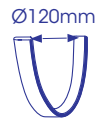
IP67 Immersion  
Protection



LK08  
protection



Beam  
angle

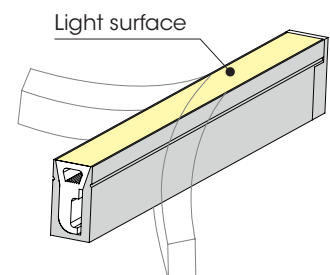
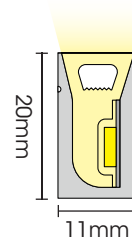


Ø120mm  
Min. bending  
diameter

## BRIEF PARAMETERS

Forward Voltage:	24VDC
Power:	<15W/m
Led color:	White
Wave length:	2700-6000K
Width:	11mm
Thickness:	20mm
Min. Bending diameter	≥120mm
IP grade	IP67 / IP65 (Depending on the connectors used: factory or mounted)

**SIDE VIEW**  
Horizontal Bending  
Horizontal bending against  
the light surface



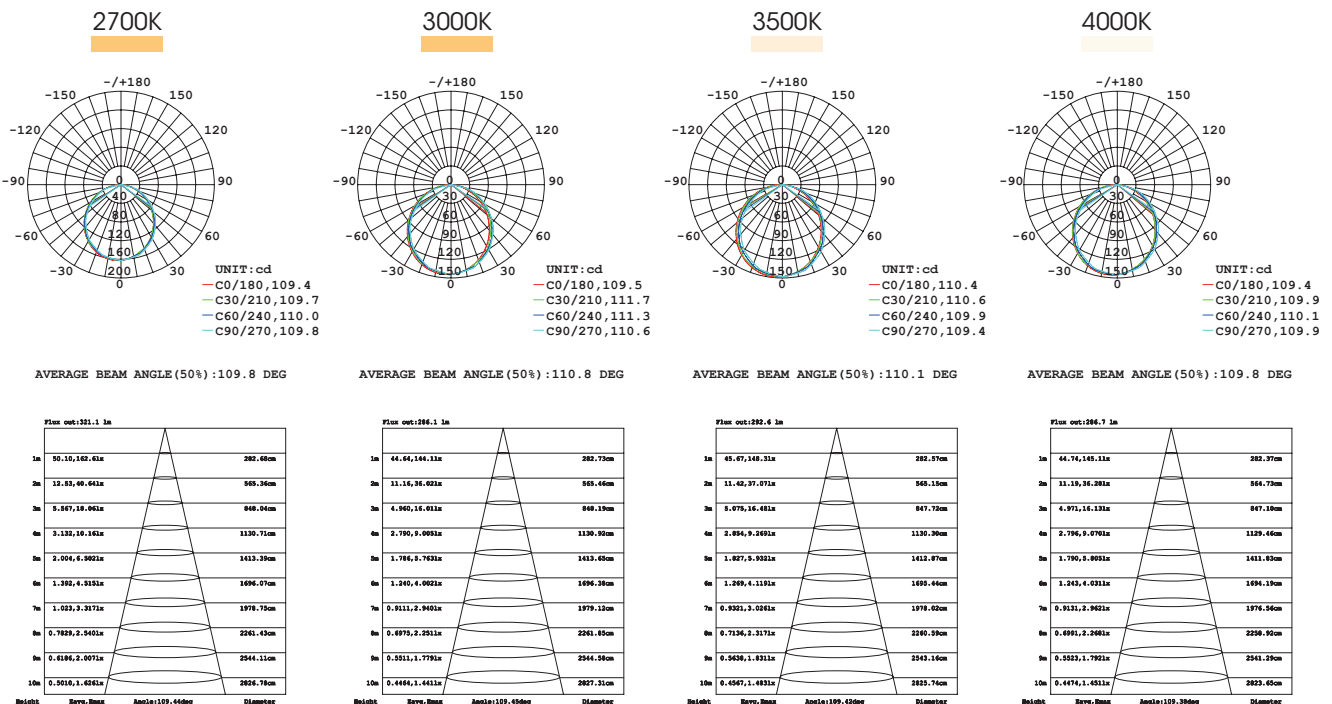
## PRODUCT FEATURES

- Dimension: 11x20mm.
- Led strip inside: 160led/m SMD2835.
- IP67 silicon extrusion neon flex, horizontal bending.
- Perspective marking precisely with 100% accurate: we're the first one to use the perspective marking machine to make neonflex in error-free cutting point.
- With matte treatment, smooth surface and dustproof.
- Same width end cap as the strip.
- Power cord with 3 directions: Straight powered, side powered, back powered.
- In one cuttable group, if one LED broken, others will still working without dark area.
- Special design, still works however inner FPC board damaged in one or more pieces.
- Constant voltage design, Max.run (single end feed): 5m/pcs, 100mm as a min. section with the fast connectors.

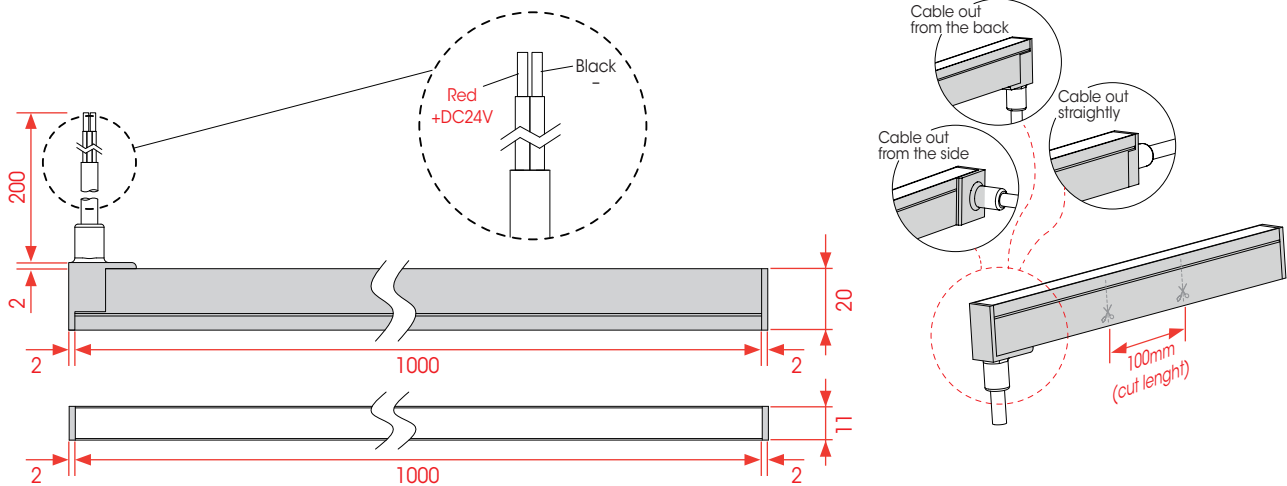
## OPTICAL PARAMETER

Item	Color/CCT	Lumen/m	Power/m	Voltage	Light efficiency	CRI (Ra)	Max. Run (single end feed)	Minimum section	Color tolerance
NL-1120H-BH	2700K	400Lm	<15W	24VDC	26Lm/W	90+	5m	100mm	SDCM<6
NL-1120H-BC	3000K	400Lm	<15W	24VDC	26Lm/W	90+	5m	100mm	SDCM<6
NL-1120H-BCN	3500K	410Lm	<15W	24VDC	27Lm/W	90+	5m	100mm	SDCM<6
NL-1120H-BN	4000K	420Lm	<15W	24VDC	28Lm/W	90+	5m	100mm	SDCM<6
NL-1120H-BF	6000K	420Lm	<15W	24VDC	28Lm/W	90+	5m	100mm	SDCM<6

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

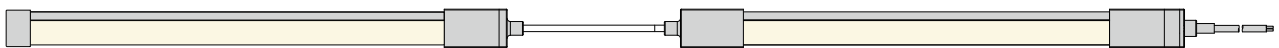


**DIMENSIONS AND OUTLET DIRECTION**  
Unit:mm



**Notice:** End cap with the same width as the tape light.

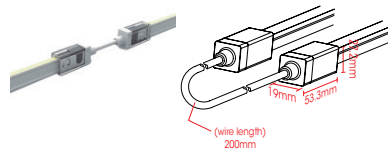
**CONNECTING ACCESSORIES (IP65)**



Initial cap with straight cable hole  
**NL-1120H-CAP1 / NLT-1120H-CAP-1**



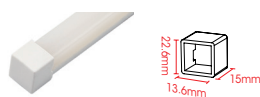
Intermediate connection  
**NL-1120H-JOIN**



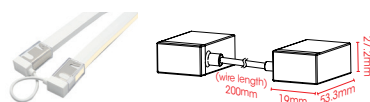
Straight initial connection  
**NL-1120H-WIRE-I**



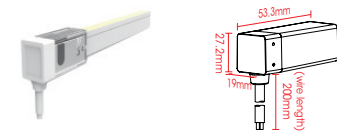
Assembly end cap  
**NL-1120H-CAP2 / NLT-1120H-CAP**



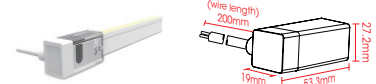
Intermediate connection  
**NL-1120H-JOIN-I**



Bottom initial connection angled  
**NL-1120H-WIRE-LI**

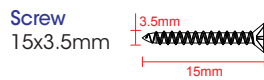
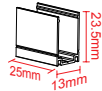


Left side initial connection angled  
**NL-1120H-WIRE-LL**

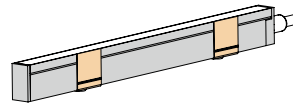


## INSTALLATION ACCESORIES

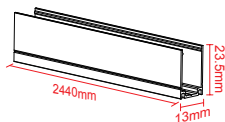
**Aluminium Buckle - NL-1120H-CLIP**  
13x23.5 x25mm



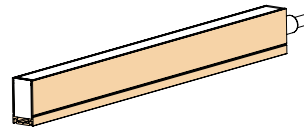
<b>Lenght</b>	1000mm
<b>Buckle</b>	4pcs
<b>Screw</b>	4pcs



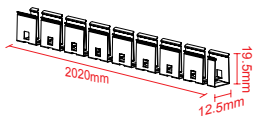
**Aluminium profile - NL-1120H-PF-AL**  
13x23.5x2440mm



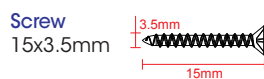
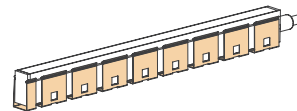
<b>Lenght</b>	2440mm
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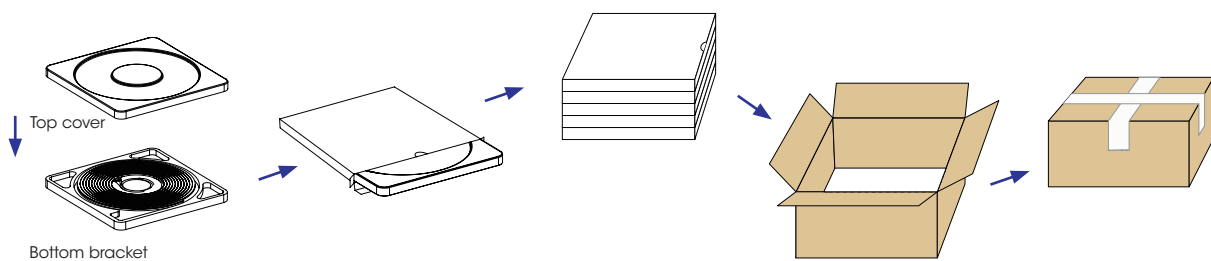
**Bendable serrated profile - NL-1120H-PF-S**  
12.5x19.5x1000mm



<b>Lenght</b>	2020mm
<b>Screw</b>	6pcs



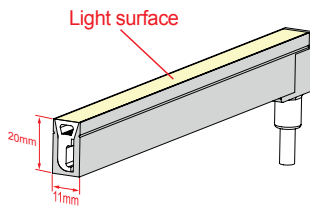
## PACKAGING



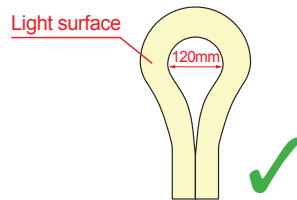
Light length	Plastic box dimension	White box dimension	Numbers of white box	Carton dimension
1m	275x275x30.5mm	275x35x275mm	40pcs	570x570x380mm
5m	385x385x35mm	390x40x390mm	10pcs	410x410x430mm
10m	480x480x35mm	485x40x485mm	5pcs	505x505x230mm

**NEON LED STRIP INSTRUCTION AND CAUTION**

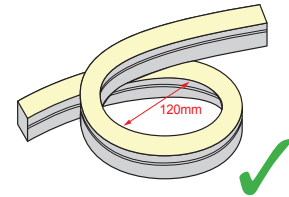
**Light Profile**



**Correct bending way**

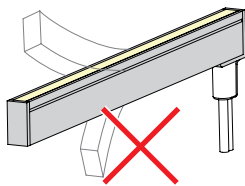
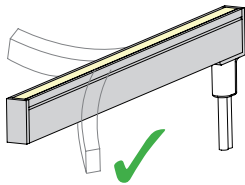


Face to the light surface  
fold the strip, the minimum  
bending diameter is 120mm.

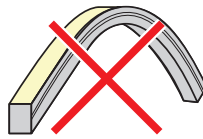


Light surface upwards, the  
strip is bendable to right or  
left naturally, the minimum  
bending diameter is 120mm.

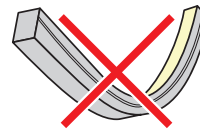
**Bending direction Profile**



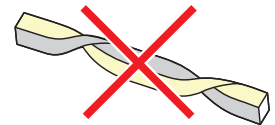
**Incorrect bending way**



Face to the side surface,  
(as the picture shows)  
Do not bend downward to  
damage the strip.



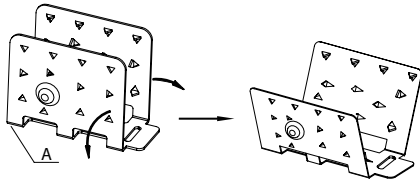
Face to the side surface,  
(as the picture shows)  
Do not bend upward to  
damage the strip.



(as the picture shows)  
please do not twist  
the strip, or it will be  
damaged.

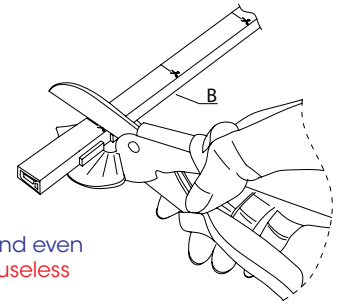
**CUTTING AND CONNECTING METHOD OF SIDE-VEIW NEONFLEX LED STRIP**  
End cap with cables | Size 11x20mm

**1**



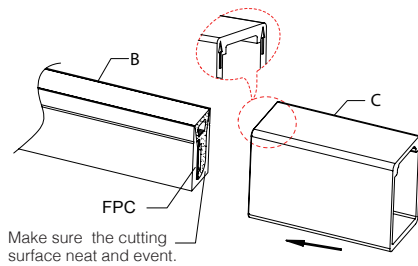
Force apart the two sides of metal clip A outwards around 20 degree according to the direction of arrow with hands.

**2**



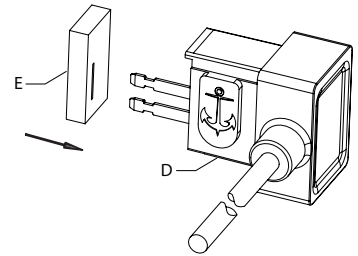
Cut off the light strip B neat and even (Note: otherwise, it would be useless in water proofing) with a flat scissor following the cutting line.

**3**



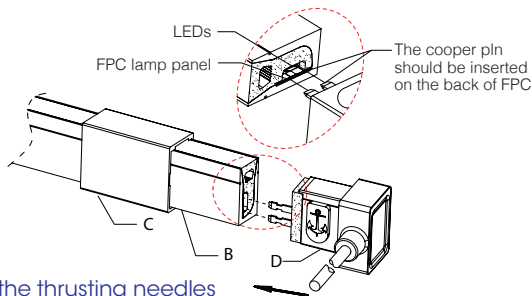
Stick transparent kit C in Neon light strip B according to the direction of arrow, pay more attention to the position of FPC of Neon light strip and the direction of arrow on transparent kit.

**4**



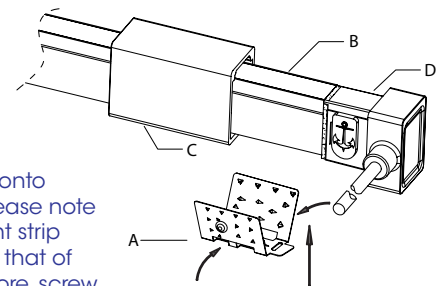
Insert the silicon cushion E into thrusting needles on plug D according to the direction of arrow.

**5**



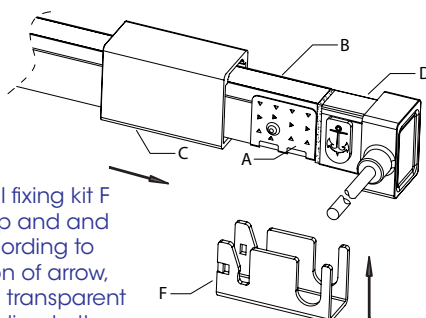
Insert the thrusting needles D on plug into the bottom of FPC of Neon light strip B.

**6**



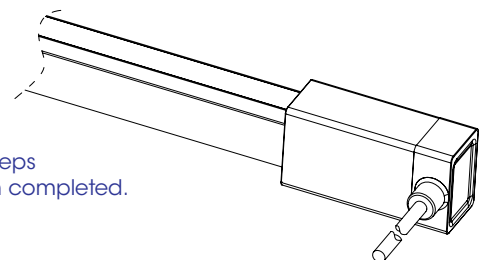
Clamp metal clip A onto Neon light strip B. Please note that the edge of light strip should be neat with that of metal clip. Furthermore, screw up metal clip A according to the direction of arrow.

**7**



Stuck metal fixing kit F in metal clip and and plug D according to the direction of arrow, then fasten transparent kit C according to the direction of arrow towards the location of plug.

**8**



The assembly steps shall have been completed.