LED Neon Strip

IP67 Triple View Series

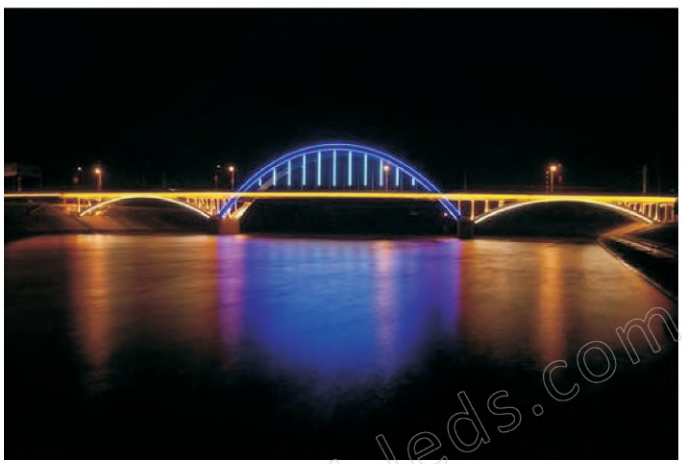
Free-Cutting Top-Bend NS-113

Features

1. Plane profile allows installation and application in surface mount or flush mount.
2. 3-sided multi-directional viewing with wide beam angle presents 3D vivid performance.
3. On field free-cutting and assembly to be any length, endcap sealed by gluing process or die-casting process.
4. Customize length with overall appearance in the same size by die-casting process.
5. Dimmable available with PWM signal.
6. Compared with traditional fragile glass and harden/yellowing easily PVC sheathing material, silicon extrusion technology is an advanced process, with high-efficiency production capacity and environmentally-friendly characteristics. Additionally, with high grade appearance, soft bend flexibility, strong impact resistant and high weather resistance.
7. 50,000h long lifespan, 5 years warranty, for indoor usage. 36,000h long lifespan, 3 years warranty, for outdoor usage.
8. UL & TUV-CE approval.

Application

1. Decoration for showcase, advertising, displayer board.
2. Lighting for hotel, garden, bridge.
3. Corridor, ceiling, stair, path way.
4. Signage, architecture lighting.



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LED Neon Strip

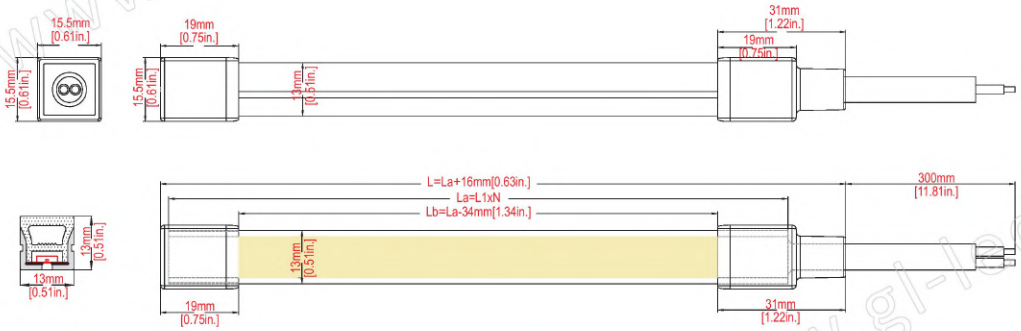
Specification

Dimension / Diagram

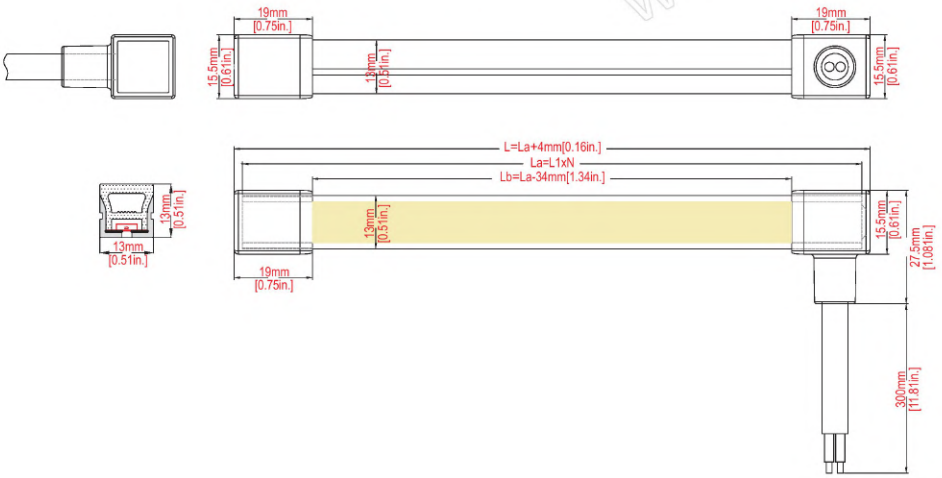
L: Total length
Lb: Illumination surface length
N: Number such as 1,2,3 ``````N
La: Length of LED strip light
L1: Minimum cutting unit

Top-Bend NS-113 (Endcap sealed by gluing process)

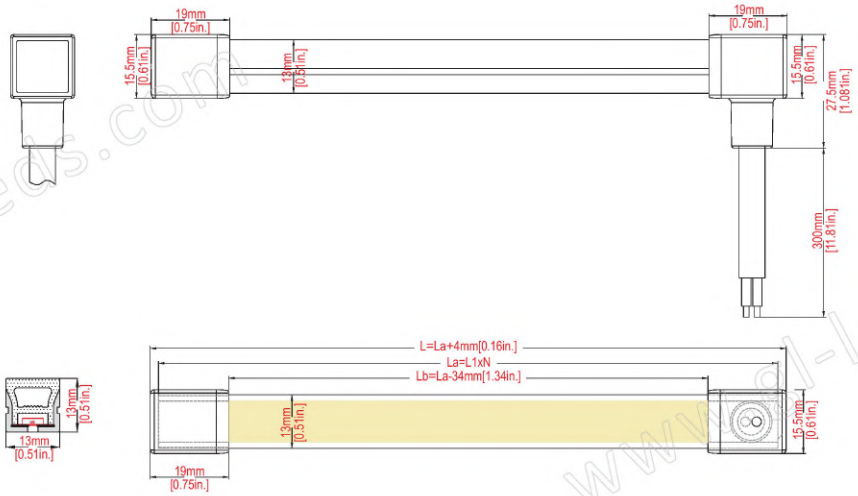
Power Rear Feed



Power Side Feed



Power Bottom Feed



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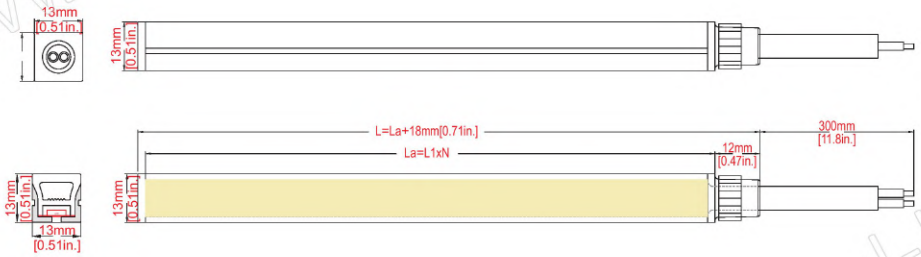
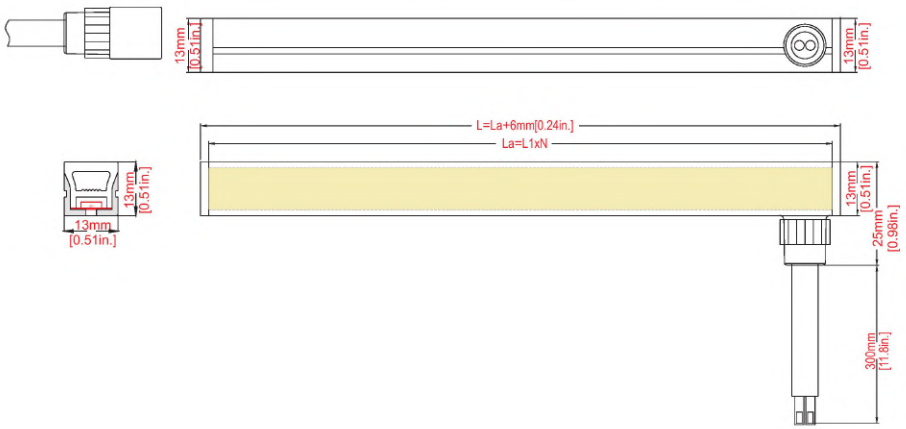
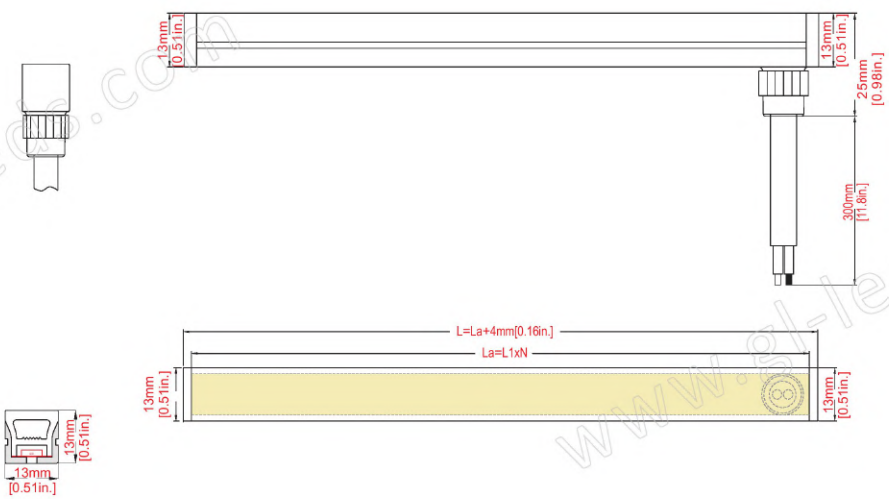


Power Side Feed



Power Bottom Feed



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LED Neon Strip

General Parameters

Product No.	Style	Dimension	Max. Length (La)	Min. Unit (L1)	LED Type	LED QTY	IP Rating	Operating Ambient	Lifespan	Warranty
NS-113XVAW-14	Top-Bend (White)	W13xH13mm [W0.5XH0.5in]	5M [16.4ft]	Free-Cutting to be any length	SMD 2835	120LED/M [36LED/ft]	IP67	Ta: -20~45℃	50,000h (indoor) 36,000h (outdoor) (L70B50@ Tc≤65℃, Tc is the temp. of LED pin)	5 years (indoor)
NS-113XVAW-09			10M [32.8ft]							
NS-113XVAW-04			20M [65.6ft]							3 years (outdoor)
NS-113XVFZ-14	Top-Bend (RGB)		5M [16.4ft]	50mm [19.7in]	SMD 4040					

Photoelectric Parameters

Product No.	Style	Power ±10%	Operating Voltage	Finished Product CCT/ Wavelength	CRI80, 3000K		CRI90, 3000K	Beam Angle
					Luminous Flux±10%	Light Efficiency	Luminous Flux±10%	
NS-113XVAW-14	Top-Bend (White)	14W/M [4.27W/ft]	24VDC	2700K±120K 3000K±150K 3500K±300K 4000K±300K 5000K±400K 6000K±500K	830lm/M[250lm/ft.]			120°
NS-113XVAW-09		9W/M [2.74W/ft]			530lm/M [160lm/ft.]			
NS-113XVAW-04		4W/M [1.22W/ft]			240lm/M [70lm/ft.]			
NS-113XVFZ-14	Top-Bend (RGB)	14W/M [4.27W/ft]		R:620-630nm G:520-530nm B:460-470nm	350lm/M [110lm/ft.]			

Note:

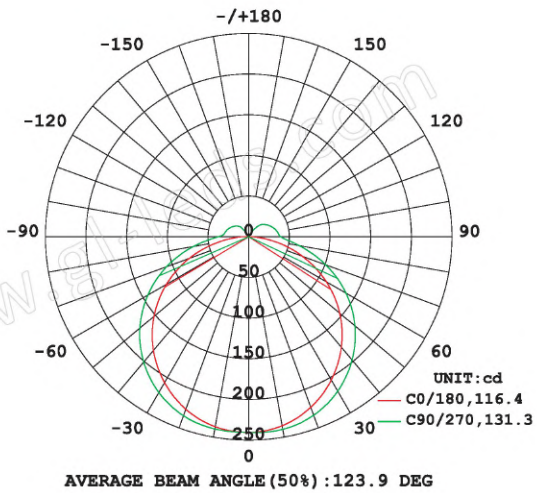
(1) Luminous flux for CCT 3000K is 5% higher, for CCT 3500K/4000K is 8% higher, for CCT 5000K/6500K is 10% higher, compared with 2700K.

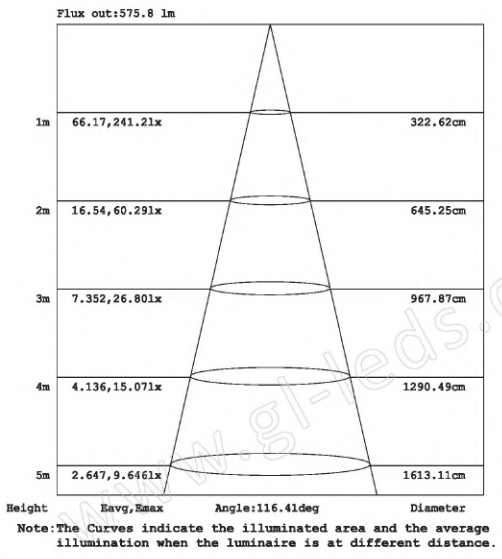
(2) The Max. Length (La) is defined as power fed on one side.

(3) The standard packing length is fixed by default per reel without installation accessories; customized packing length is required to be evaluated.

(4) Installation accessories pack should be ordered separately according to specific case.

Light Distribution Diagram





Top-Bend, NS-113XVAW (14W, CRI80, 4000K)

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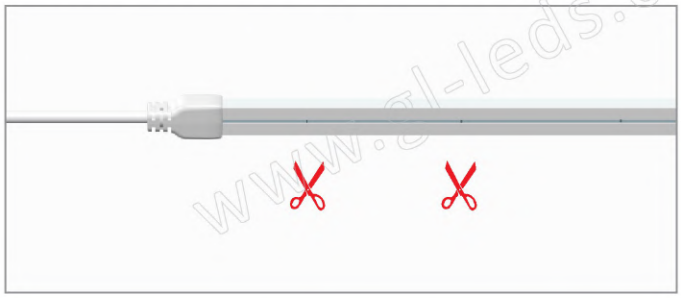
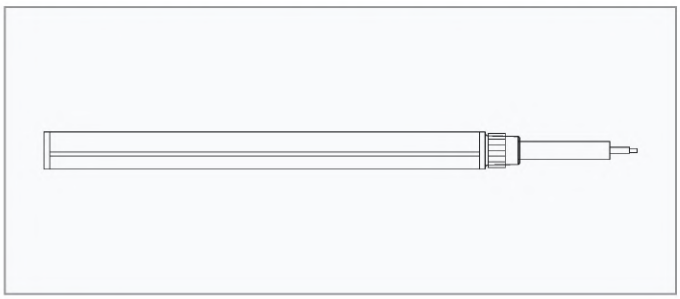
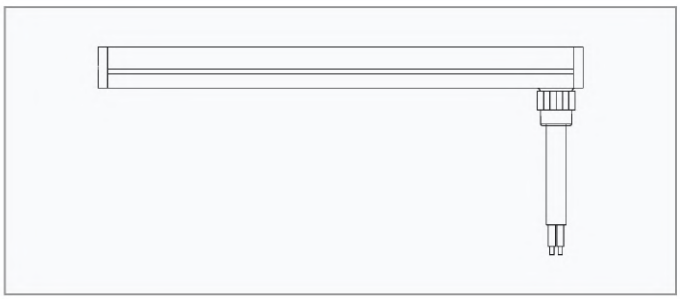
General Characteristics

(1) Free-cutting available in any position to be any length.



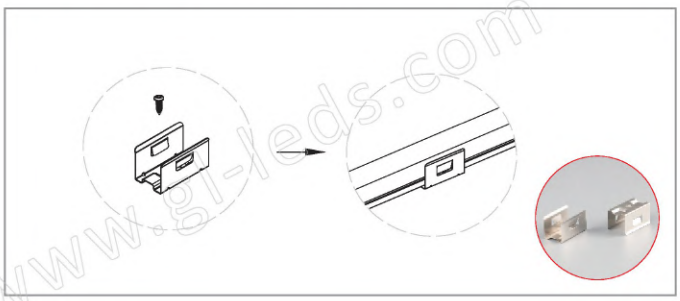
(2) Power feed in 3 directions, including rear feed, side feed and bottom feed.

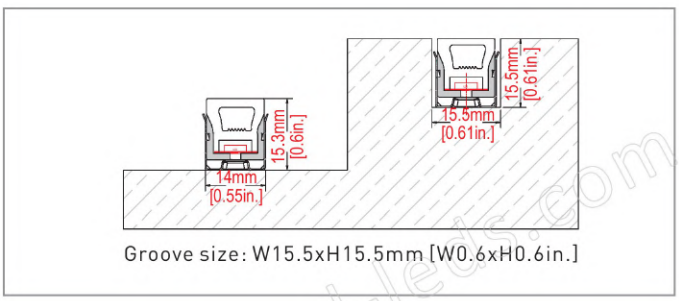




Installation

(1) Surface or flush mounting, by bracket and screw.





Groove size: W15.5xH15.5mm [W0.6xH0.6in.]

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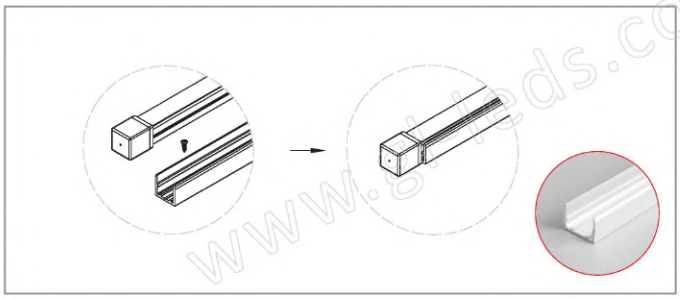
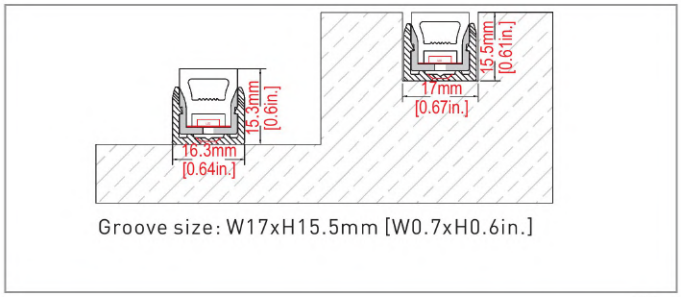
(2) Surface or flush mounting, by aluminum channel and screw.

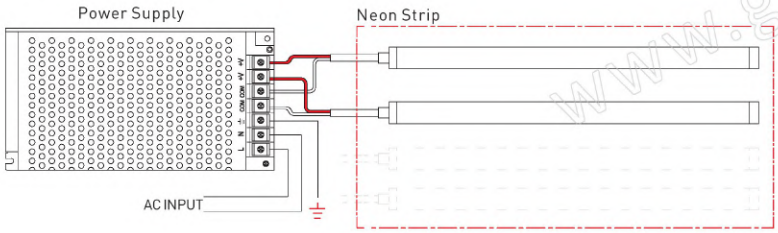




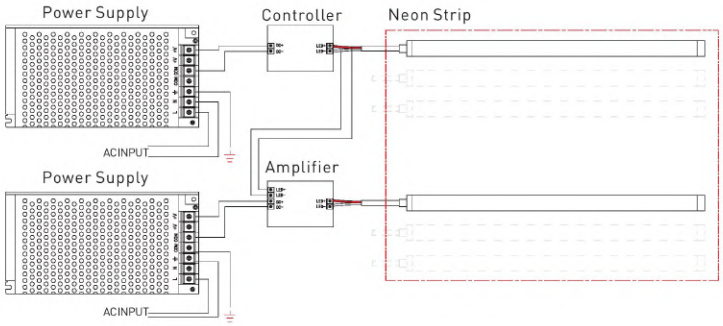
Groove size: W17xH15.5mm [W0.7xH0.6in.]

Connection

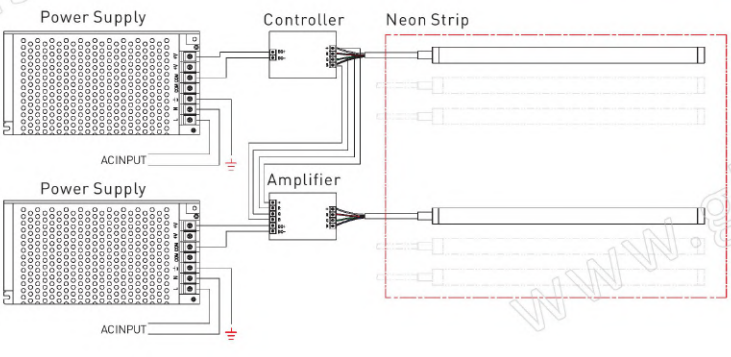
Non-Dimming Status for Single Color



Dimming Status for Single Color



Dimming and Toning Status for RGB Color



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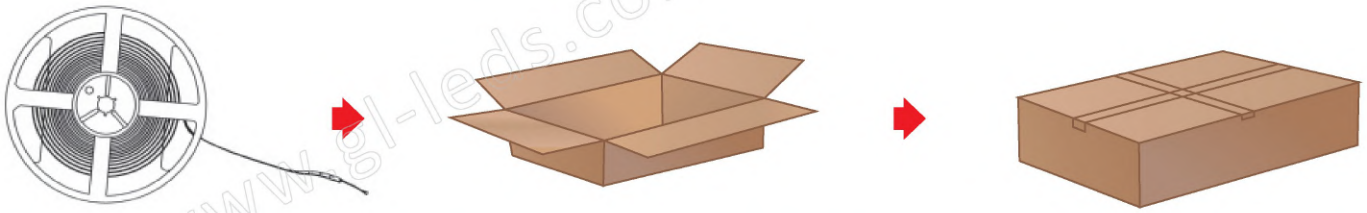
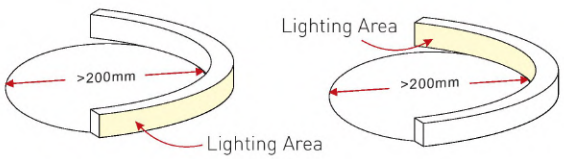
Packing

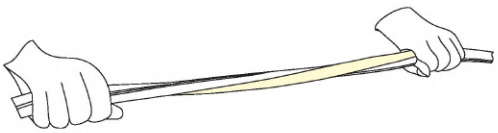


Part No.	Style	Product Dimension	Product N.W.	Carton Size	Product QTY/Carton	Carton Total G.W.
NS-113	Top-Bend	L5000xW13xH13mm [L197xW0.5xH0.5in]	6.1kg	386x386x175mm [15.2x15.2x6.9in.]	2pcs	6.8kg

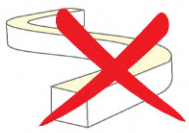
Notice

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. Maximum twist degree is 360° per meter.
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.





⚠ Max. Twist Angle is 360° per Meter



Can't be Side- Bend

Edition

Release Date	Issuance of Category
2020.07.25	The 1st Version

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