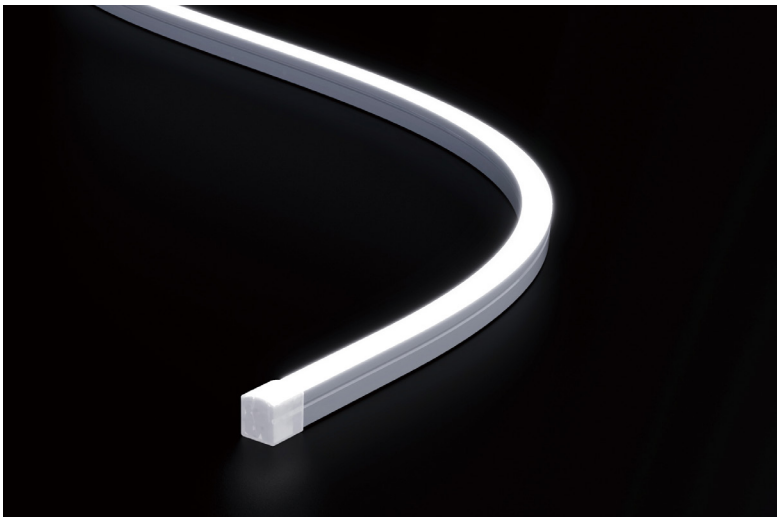
BLUEVIEW

LED

NEON FLEX

NSF1616A

Version: **A1.1**



Features

- Color options: Single color.
- Ultra-short cutting unit.
- Support PWM, 0~10V, DALI and DMX dimming.
- Good flexibility, side bending.
- Warranty: 5 years indoor, 3 years outdoor.

Optical & Electrical Parameters

Model No.	Voltage	CRI	Color	Lm/m	Lm/W	W/m
NSF1617A-Single color	24V DC	>90	2500K	462	39	11.76
			2700K	481	41	
			3500K	489	41	
			4000K	503	42	
			5000K	509	43	
			6000K	518	44	

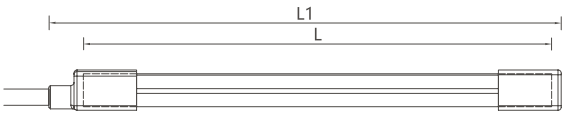
Other Parameters

Model No.	LED QTY (pcs/m)	Standard Run	Min. Cuttable Length	Working Temperature	Storage Temperature
NSF1617A-Single color	140	5.0m	7.14mm	-20~+60˚C	-20~+70˚C

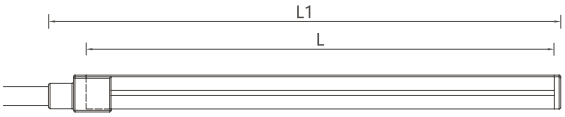
Profile Drawings

Unit: mm[inch]

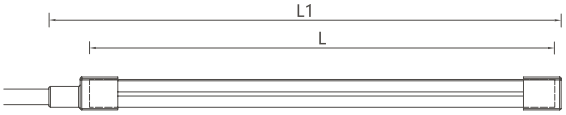
Glue Process (IP67)



Molding pressed (IP67)

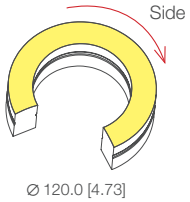


Molding pressed (IP68)

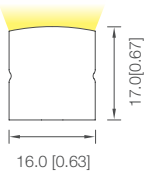


IP Rating	L (mm / inch)	L1 (mm / inch)
Glue Process (IP67)	5000±5[196.85±0.20]	5015±5[197.44±0.20]
Molding pressed (IP67)	5000±5[196.85±0.20]	5016±5[197.48±0.20]
Molding pressed (IP68)	5000±5[196.85±0.20]	5016±5[197.48±0.20]

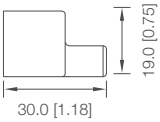
Bending Diameter



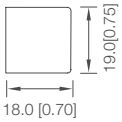
Sectional view



Front cap(Glue process)



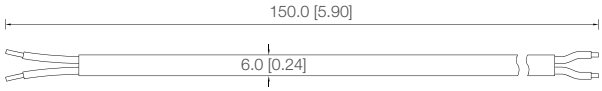
Closing End-cap (Glue process)



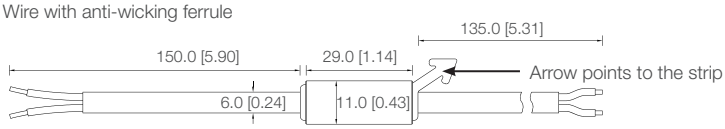
Notes:
IP67: suitable for rainy environment or short-term soaking environment with soaking depth ≤ 1m and soaking time ≤ 1h.(factory assembly only)
IP68: Suitable for rainy environment or short-term soaking environment with soaking depth ≤ 1m. (factory assembly only)

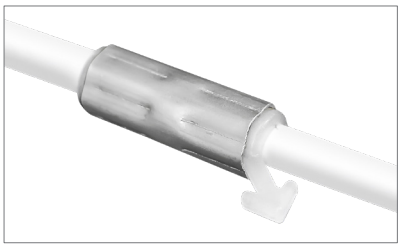
Wire Spec

General Wire



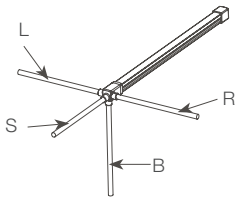
Wire with anti-wicking ferrule



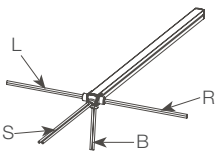


Notes:
- You can choose one of the above two wires.
- 2/3/4/5 cores are available.
- The wire length support customization.
- The anti-wicking ferrule needs to be above water for any underwater applications. Do not disassemble or reprocess the ferrule; otherwise, we will not be responsible for the consequences.

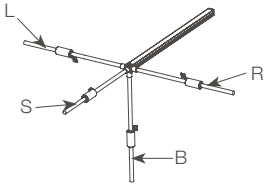
End Cap - Outlet Direction



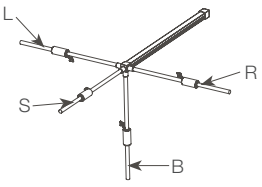
Glue Process (IP67)



Molding Pressed (IP67)-single wire



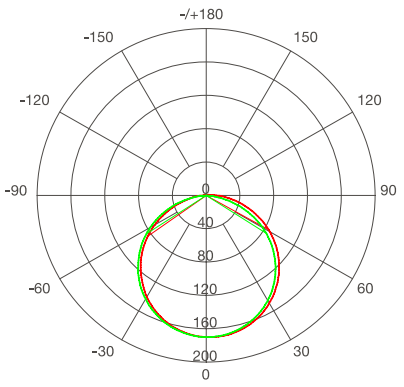
Molding Pressed (IP67)



Molding Pressed (IP68)

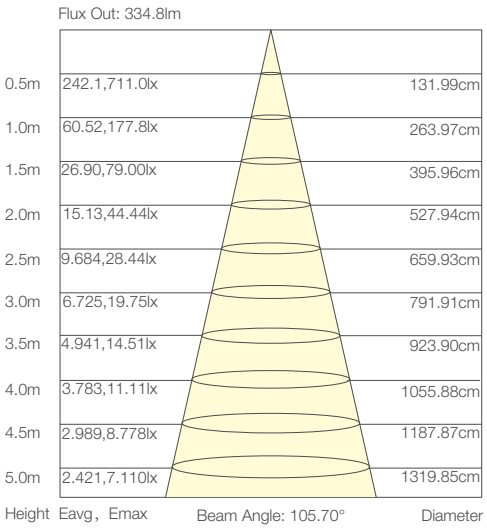
L	R	S	B
Left outlet	Right outlet	Straight outlet	Bottom outlet

Luminous Intensity Distribution Diagram



AVERAGE BEAM ANGLE(50%): 114.9°

Average Illumination

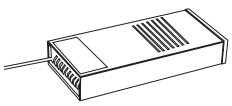


Note: ☐ The data based on NSF1617A-6000K. For other data, please consult sales rep. ☐ Power and luminous flux tolerance within ±10%.

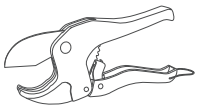
Recommended power supply upon working length

Model No.	Working Length	Measured Current	Rated Voltage	Measured Power	Recommended Power Supply	Power Supply Mode
NSF1617A	1m	0.49 A	24 V DC	11.76 W	15 W	Single Feed
	5m	2.22 A	24 V DC	53.28 W	60 W	

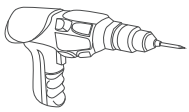
Products and Tools



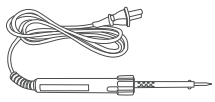
LED power supply



Cutter



Electric drill



Electric iron

Product accessories

Free

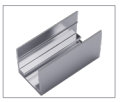
Front cap
Model No.: ASY-NSF1617A-N00NNH-EC
Quantity(5/10): 2-4pcs
Dimensions: 30*19*18mm

Closing End-cap
Model No.: ASY-NSF1617A-N00NNX-EC
Quantity(5/10): 2-4pcs
Dimensions: 18*19*18mm

Optional

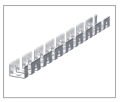
Front cap (side outlet)

Model No.: ASY-NSF1617A-N00NNS-EC
Dimensions: 25*30*19mm



Aluminum clip

Model No.: ASY-NSF1617A-A3NN0035-MT
Dimensions: 35*18.7*19.37mm



S-type Track

Model No.: ASY-NSF1617A-MNN0500-MT
Dimensions: 500*17.4*16.7mm

Aluminum Channel

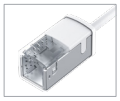
Model No.: ASY-NSF1617A-A1NN1000-MT
Dimensions: 1000*18.7*19.37mm

Aluminum clip (with metal spring)

Model No.: ASY-NSF1617A-A4NN0035-MT
Dimensions: 35*21.2*19mm

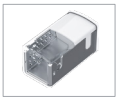
Aluminum Channel (with metal spring)

Model No.: ASY-NSF1617A-A2NN1000-MT
Dimensions: 1000*21.2*19mm



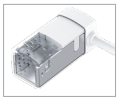
Free welding end cap (straight outlet)-IP65

Model No.: ASY-NSF1617A-F00NNH-EC
Dimensions: 49*22*23mm



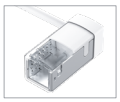
Free welding end cap-IP65

Model No.: ASY-NSF1617A-F00NNX-EC
Dimensions: 45*22*23mm



Free welding end cap (left outlet)-IP65

Model No.: ASY-NSF1617A-F00NNR-EC
Dimensions: 53*25*23mm

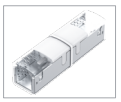


Free welding end cap (right outlet)-IP65

Model No.: ASY-NSF1617A-F00NNL-EC
Dimensions: 53*25*23mm

Free welding end cap (bottom outlet)-IP65

Model No.: ASY-NSF1617A-F00NNB-EC
Dimensions: 53*22*26mm

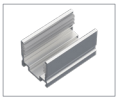


Splicing connector 1-IP65

Model No.: ASY-NSF1617A-F00NNM-EC
Dimensions: 88*22*23mm

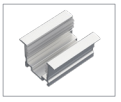
Splicing connector 2-IP54

Model No.: ASY-NSF1617A-F01NNM-EC
Dimensions: 57*23*20mm



Aluminum Channel

Model No.: ASY-NSF1617A-A6NN0035-MT
Dimensions: 35*20*21mm



Aluminum Channel (with wings)

Model No.: ASY-NSF1617A-A7NN0035-MT
Dimensions: 35*20*30mm

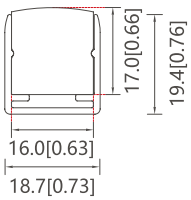
Silicone Glue

Model No.: WR-7516
Dimensions: 45g/pc

Screws

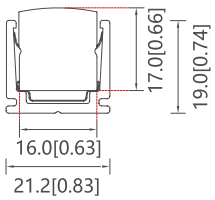
Model No.: PA3
Dimensions: PA3*10mm

Profile Drawings (neon + aluminum channel)



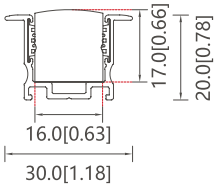
Aluminum channel
(Aluminum clip)

ASY-NSF1617A-A1(A3)NNXXXX-MT



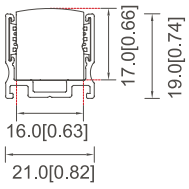
Aluminum channel
(with metal spring)

ASY-NSF1617A-A2(A4)NNXXXX-MT



Aluminum channel with silicone
(with wings)

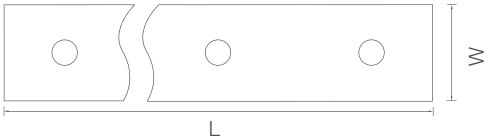
ASY-NSF1617A-A7NNXXXX-MT



Aluminum channel with silicone
(no-wings)

ASY-NSF1617A-A6NNXXXX-MT

Accessories diagram

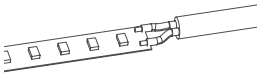


Note: the quantity of accessories subject to actual needs;

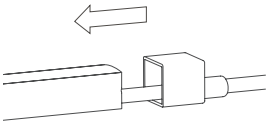
Name	L(mm)	W(mm)	Type
Aluminum clip	35	18.7	Optional
Installation set	35/1000	21.2	Optional
Aluminum channel	1000	18.7	Optional
Aluminum channel X	X	--	Customized

Installation

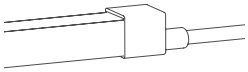
Front cap installation



Weld the wire to the PCB board.

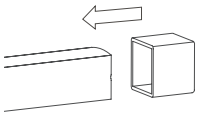


Filling the cap with glue, then install to the strip light.

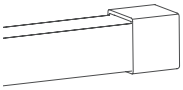


Wipe off the excess glue and wait to dry.

Closing end-cap installation

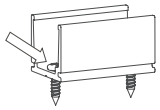


Filling the cap with glue, then install to the strip light.

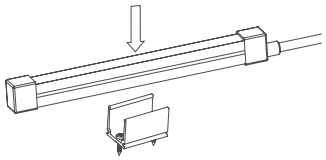


Wipe off the excess glue and wait to dry.

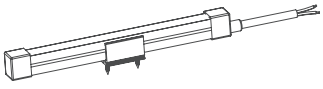
Aluminum channel installation



Fix the aluminum channel with screws

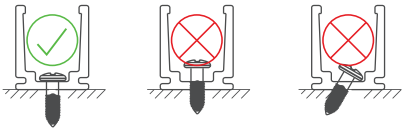


Press the strip into the channel

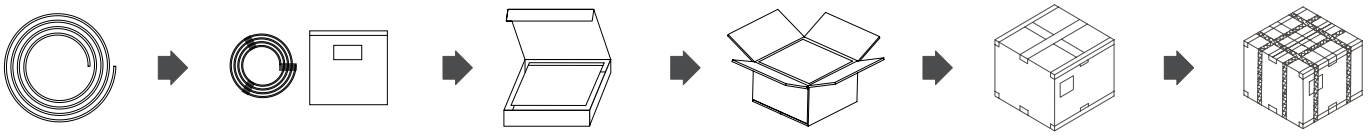


Finished

Notes:
- At the welding place, please pay attention to the positive and negative poles of the wire and the strip;
- Each connection must use 10g silica gel for waterproof and insulating treatment;
- The screws must be vertical to the mounting surface and be fastened, as shown in the figure on the right;
- Please choose suitable operation steps according to the actual needs;
- During mounting, please pay attention to the min bending diameter, and best to use original factory accessories;
- More information, please feel free to consult us;



Packaging Information



Roll up the product

Wrap the product tightly with PE film/Velcro, then put it into an aluminum foil bag and stick a label;

Put the product into a box

Put the prepared products into a carton box;

Label the carton box;

Use packing belt to pack. Add edge protectors if necessary

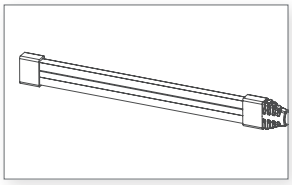
Model No.	Product Size (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Gross Weight (kg)
NSF1617A	5000*16*17	480*445*370	5	13	18.55 (1± 10%)

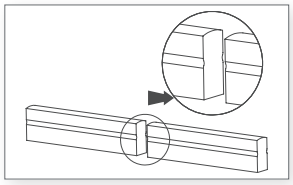
- For other customized length packaging, please ask our sales rep.
- The above-mentioned packaging quantity and weight are only for the illustrated packaging method. For other packaging methods, the packaging quantity and weight will be different. The actual weight is subject to the actual product.

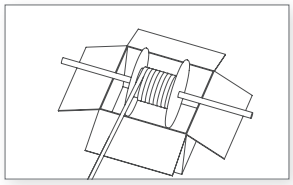
Reliability test

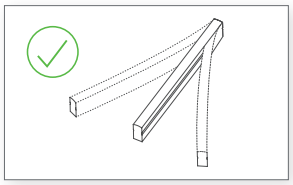
Project	Reference standards	Category	Test conditions	Outcome
Environmental test	Blueview standard	PTC test	Test temperature -40°C to 60°C, cycle once every 2h (temperature holding time 15min, heating and cooling time 45min)	Pass
		Room temperature aging test	TH=25°C, continuous power on	
		High temperature resistant test	TH=80°C working environment, continuous power on	
		High temperature and high humidity test	RH=85%/TH=85°C, continuous power on	
Mechanical strength testing	Blueview standard	Tensile test	Fix both ends of the sample on the upper and lower clamps of the tensile machine and record the tensile value of the product when the light is off.	Pass
		Twist test	24V light on; rotate 360° forward and reverse, if there is no abnormality, increase the degree of rotation until the sample fails.	

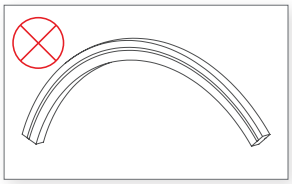
Warning Mark

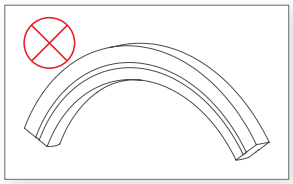

Cuttable identifier

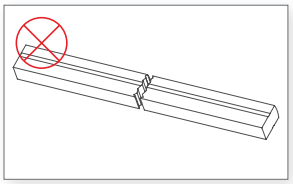

Neat and smooth cut

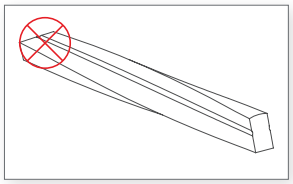

Insert a stick on the reel and place it on the packing box,and rotate the reel to get the product.

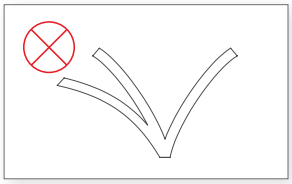

Side bending

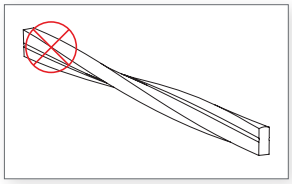

use in concave direction

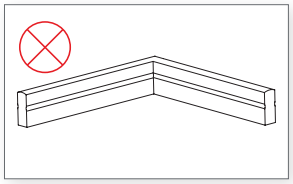

use in convex direction

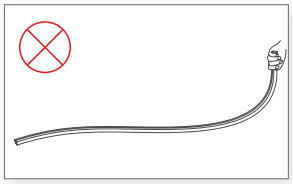

Do not make irregular cuts.

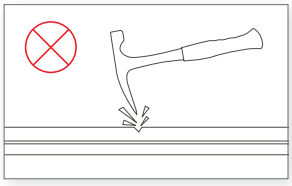

Do not use in distortions


Do not bend many times,for it can endanger electronic lines.


Do not use on wringing(twist)


Do not bend at right angles


Do not throw or pull when taking products


Avoid touching sharp objects

Note:
There are cutting marks on the FPCB;
Please pay attention to the above warnings during transportation and mounting;

Warning

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Do not do live-line working during installation,especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and it needs to be dried 4 hours in the open environment after operation.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation,waterproof, and anti-corrosion in the installation.
- Use 18AWG (0.75mm2 cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on
- This product is for signage, and do not use as general lighting.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip should not exceed 2 meters.Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should be operated by a qualified technician.

Attentions before installation

- Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels)
- Load voltage, current, power and power supply should be matched with the product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit
- Make sure the correct connection of positive and negative poles between products and power supply. Otherwise, the light will not be on.
- Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.
- The terminal should have waterproof and anti-corrosive treatment.

Statements and Recycling

Statements

- Repair should be operated by a qualified technician or supplier, if the external circuit or main line of this product is damaged.
- The parameters given in this manual are typical values and for reference only
- All illustrations and drawings in this manual are for reference.
- This product is subject to change without notice.

Recycling

- LED lighting products belongs to electronic products, please do recycling treatment according to the relevant WEEE directives.

Version	Content	Date
A1.1	First release	2024-6-4

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