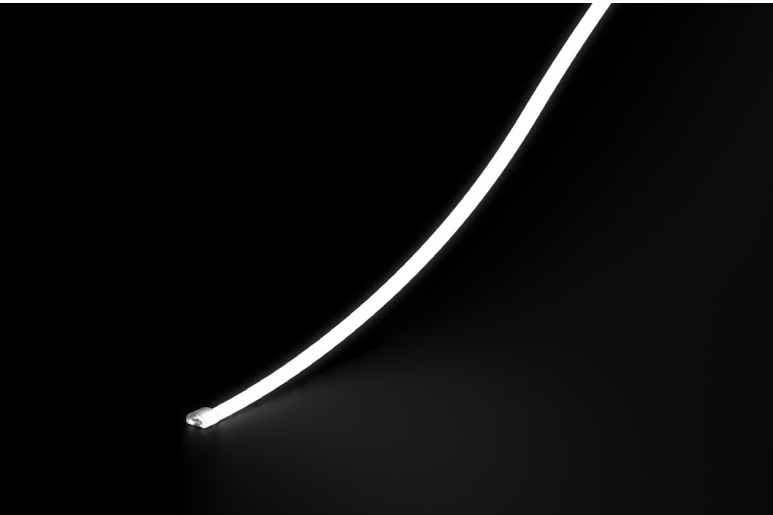


LED

NEON FLEX

NDR0603V





- Features
- Color options: Single color.
 - Using half-pack extrusion, strong weather resistance and good heat dissipation performance.
 - Top bending with mini cuttable length.
 - Can be connected to a dimmer.
 - Warranty: 5 years indoor, 3 years outdoor.
 - Customization: multiple spec options, can be customized upon requirements.



Optical & Electrical Parameters

Model No.	Voltage	Ra	Color	Lm/m	Lm/W	W/m
NDR0603V-Single color	24V DC	>90	2200K	617	53	11.52
			2500K	703	61	
			2700K	758	65	
			3000K	773	67	
			3400K	773	67	
			3900K	829	71	
			4900K	813	70	
			5900K	761	66	

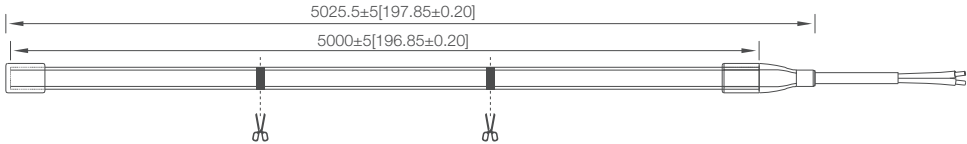
Other Parameters

Model No.	LED QTY (pcs/m)	Standard Run	Min. Cuttable Length	Working Temperature	Storage Temperature
NDR0603V-Single color	300	5000mm	20mm	-20~+60°C	-20~+70°C

Profile Drawings

Unit:mm[inch]

Glue process IP54



Note: within 5m, customizable lengths are multiples of the min cuttable length.

Bending Diameter

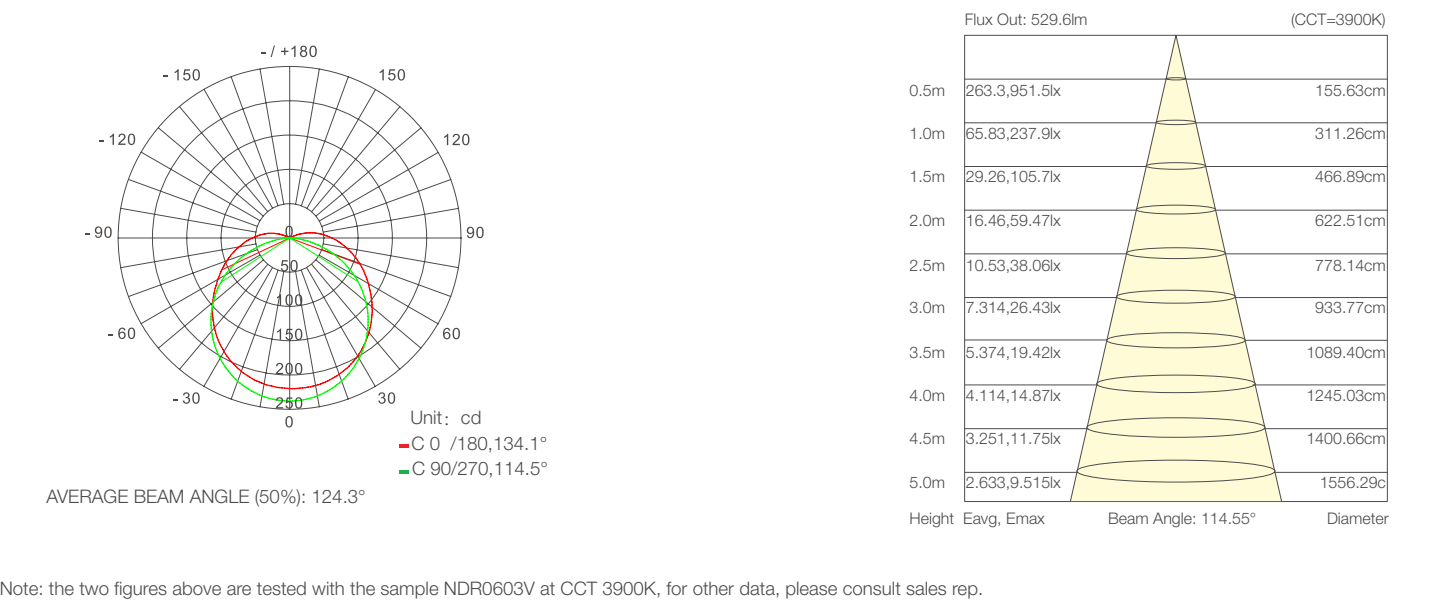
Sectional view

Front cap / Glue Process (IP54)

Closing End-cap / Glue Process (IP54)

Luminous Intensity Distribution Diagram

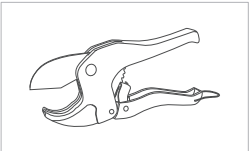
Average Illumination



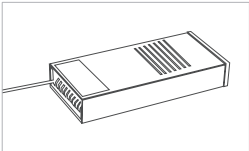
Recommended power supply upon working length

Working Length	Measured Current	Rated Voltage	Measured Power	Recommended Power Supply	Power Supply Mode
1m	0.48 A	24V DC	11.66 W	18 W	Single Feed
5m	1.95 A	24V DC	46.80 W	60 W	Single Feed

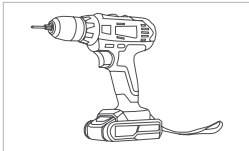
Products and Tools



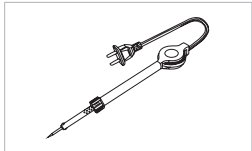
Cutter



LED power supply



Electric drill



Electric iron

Product accessories



ASY-NDR0603-N00NNH-EC
Item: Front cap
Dimensions L*W*H: 25*8*6mm
Quantity (5m): 2pcs
Free/Optional: Free



ASY-NDR0603-N00NNX-EC
Item: Closing End-cap
Dimensions L*W*H: 11*8*6mm
Quantity (5m): 2pcs
Free/Optional: Free



ASY-NDR0603-A1NN1000-MT
Item: Aluminum Channel
Dimensions L*W*H: 1000*9.5*3.7mm
Quantity (5m): --
Free/Optional: Optional



ASY-NDR0603-F00NNM-EC
Item: Seamless Connector
Dimensions L*W*H: 16.25*8.2*4mm
Quantity (5m): --
Free/Optional: Optional



WR-7516

Item: Silicone Glue
Dimensions: 45g/pc
Quantity (5m): --
Free/Optional: Optional



Screws

Item: Screws
Dimensions L*W*H: PA3*10mm
Quantity (5m): --
Free/Optional: Optional

Note:

The quantity of accessories subject to actual needs;

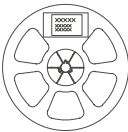
Processing the molded cap needs corresponding molds and molding equipment;

If customer processes the molded cap themselves, we will not be responsible for the consequences;

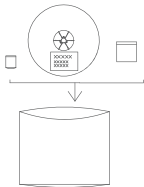
Packaging Information



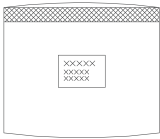
Roll the product to a reel



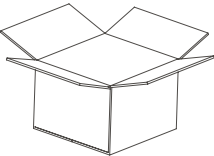
Label the reel;



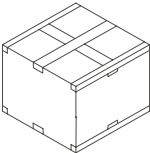
Put reel, accessory bag and desiccant together into a foil bag;



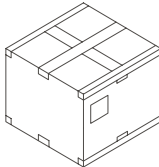
Label the foil bag;



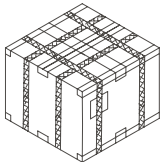
Put the foil bags into a carton box;



Seal the carton box;



Label the carton box;



Use packing belt to pack. Add edge protectors if necessary

Packaging information

Model No.	Product Size L*W*H (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Gross Weight (kg)
NDR0603V	5000*6*3	550*400*340	5	100	15.50(1±10%)

Notes:

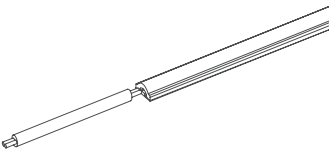
- For other customized length packaging, please ask our sales rep.
- The above-mentioned packaging quantity and weight are only for the illustrated packaging method. For other packaging methods, the packaging quantity and weight will be different. The actual weight is subject to the actual product.

Reliability test

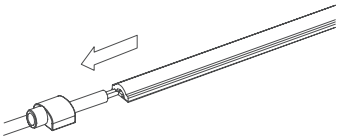
Project	Reference standards	Category	Test conditions	Outcome
Environmental test	Blueview standard	High temperature resistance test	Simulated TH=60 °C, continuous power on	Pass
		Room temperature aging test	TA=25°C, continuous power on	
		PTC test	Test temperature -40°C to 60°C, cycle once every 2h (temperature holding time 15min, heating and cooling time 45min)	
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
		Twisting test	Light on the sample, forward and reverse rotation 360° one time each, a total of 10 times.	
		Room temperature bending test	Bending diameter 60mm, continuous power on under room temperature	

Installation

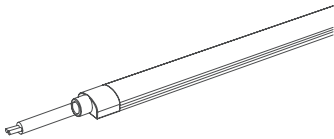
Front cap installation



Weld the wire to the PCB board.

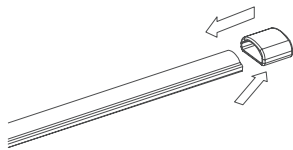


Apply waterproof glue to the front cap, then push the cap into the strip.

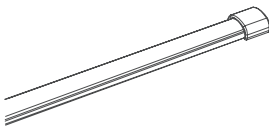


Wipe off the excess glue and wait for the glue to solidify.

Closing-end cap installation

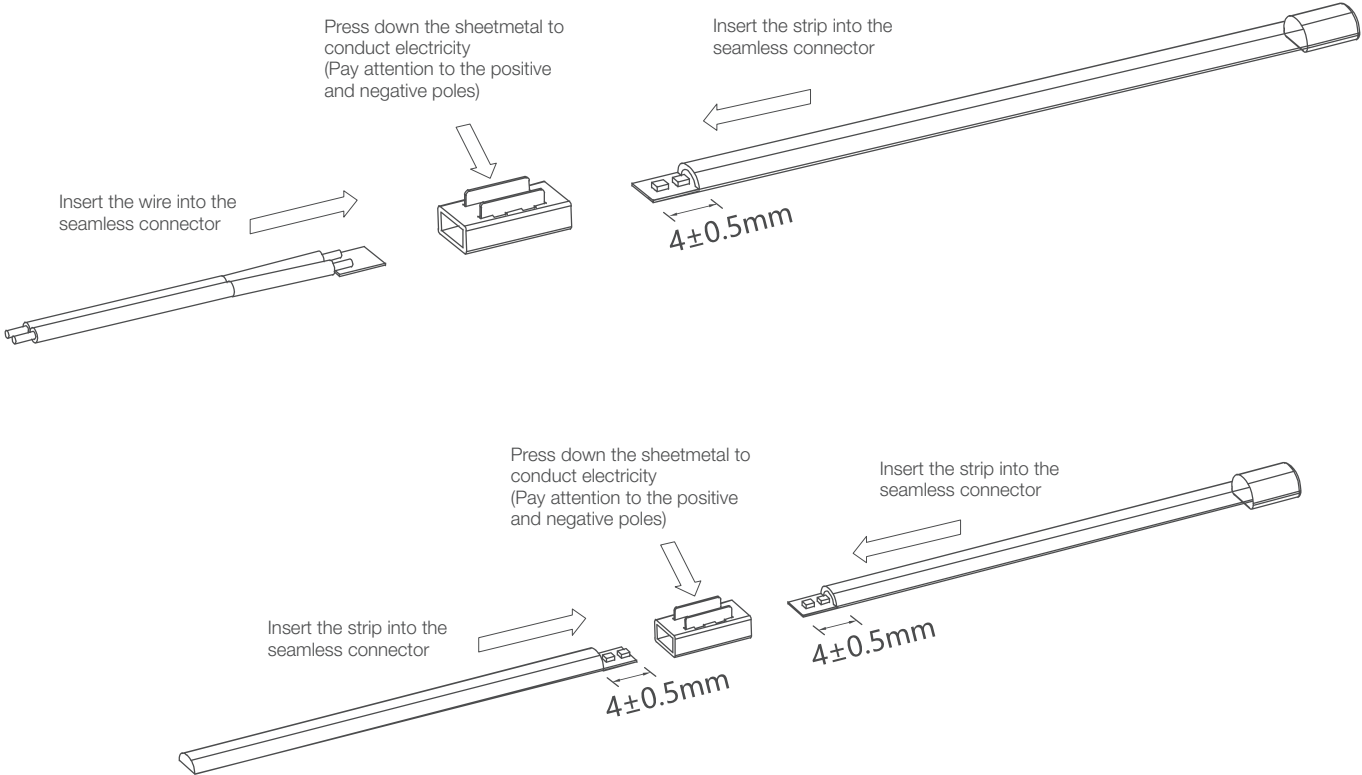


Apply waterproof glue to the end cap, then push the cap into the strip.

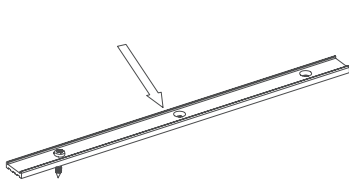


Wipe off the excess glue and wait for the glue to solidify.

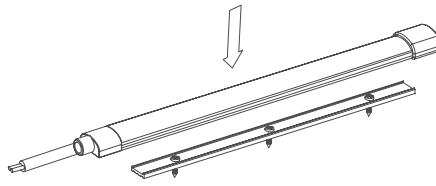
Connector installation



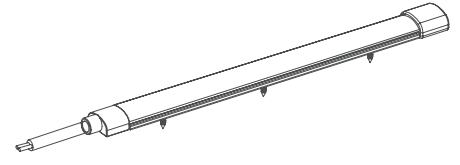
Aluminum channel installation



Screw the aluminum channel to the mounting surface.



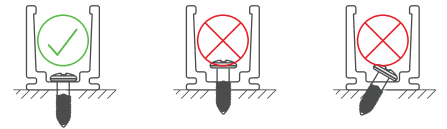
Press the strip into the aluminum channel



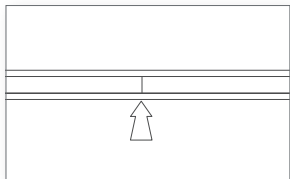
Finished

Notes:

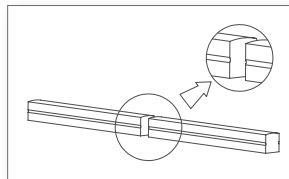
- At the welding place, please pay attention to the positive and negative poles of the wire and the strip;
- Each connection must use 10g silica gel for waterproof and insulating treatment;
- The screws must be vertical to the mounting surface and be fastened, as shown in the figure on the right;
- Please 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;



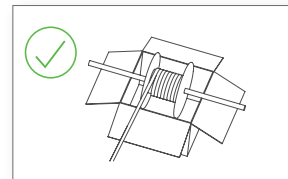
Warning Mark



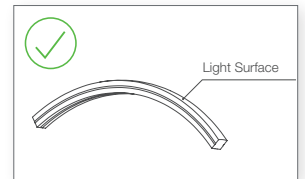
Cuttable identifier



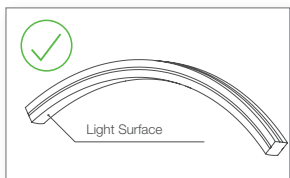
Neat and smooth cut



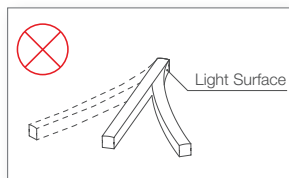
Insert a stick on the reel and place it on the packing box, and rotate the reel to get the product.



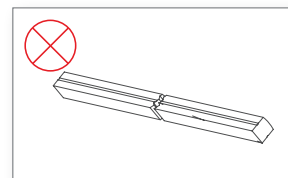
use in convex direction



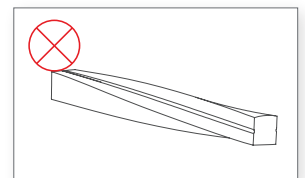
Use in concave direction



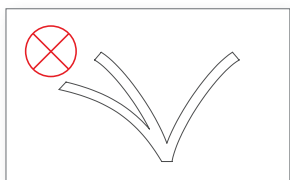
Side bending



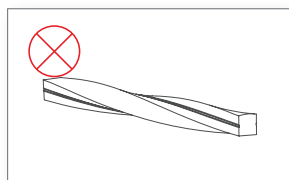
Do not make irregular cuts.



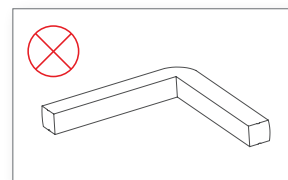
Do not use in distortions



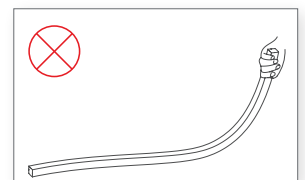
Do not bend many times, for it can endanger electronic lines.



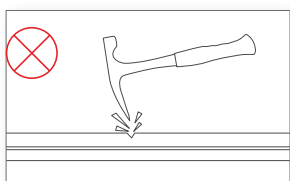
Do not use on wringing (twist)



Do not bend at right angles



Do not throw or pull when taking products



Avoid touching sharp objects

Notes:

1. There are cutting marks on the PCB;
2. Please pay attention to above warnings when using;

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
A1.4	Update: Basic Parameters	2024-3-22