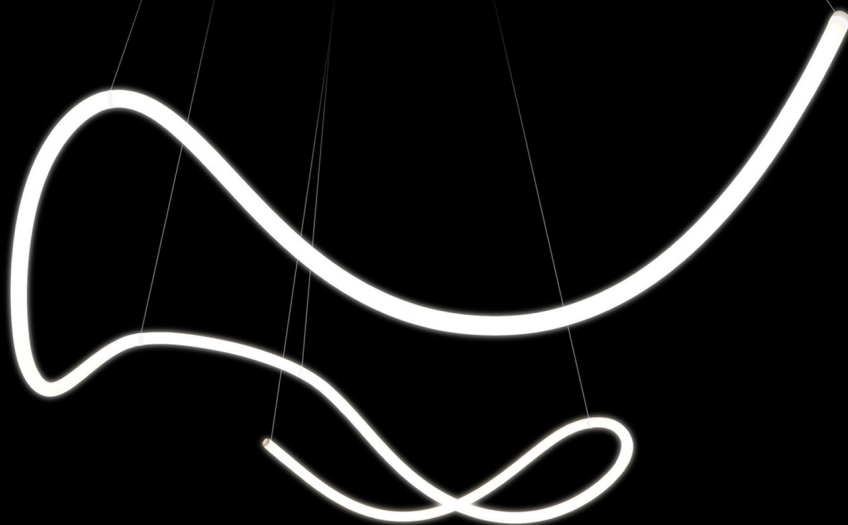


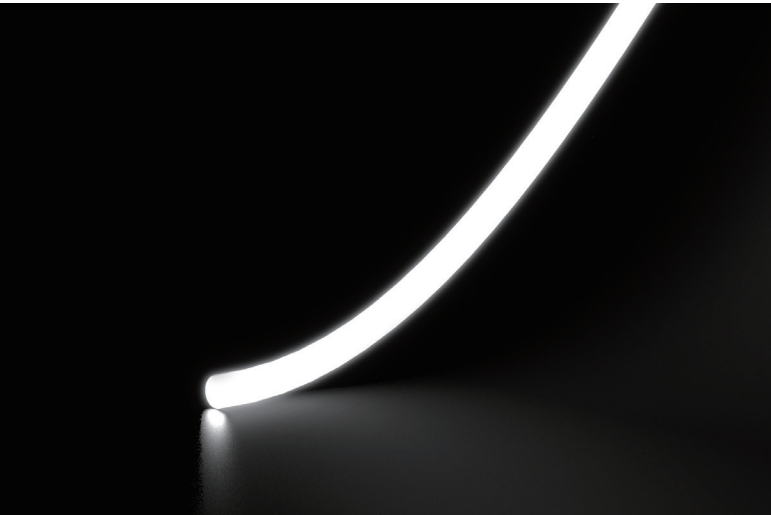


360°

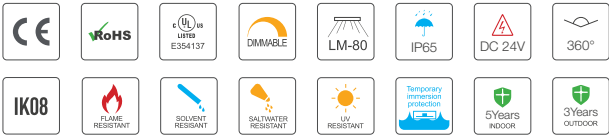
LIGHT-EMITTING
LED NEON FLEX

NCR19





- Features
- Color options: Single color.
 - No brightness drop within 5m with one end power feed.
 - 360° light-emitting with good flexibility.
 - Warranty: 5 years indoor, 3 years outdoor.
 - Customization: multiple spec options, can be customized upon requirements. Single color supports PWM, 0-10V, DALI and DMX dimming.



Optical & Electrical Parameters

Model No.	Voltage	CRI	Color	Lm/m	Lm/W	Rated Power
NCR19-Single color	24V DC	>80	2400K	1029	63.6	16.0W/m
			2700K	1198	75.7	
			3000K	1267	78.6	
			4000K	1348	84.1	
			5000K	1301	79.8	
			6500K	1207	74.8	
NCR19-Single color	24V DC	/	Red	387	24.2	16.0W/m
			Green	960	60.0	
			Blue	241	15.1	
			Yellow	143	8.9	
			Orange	322	20.1	

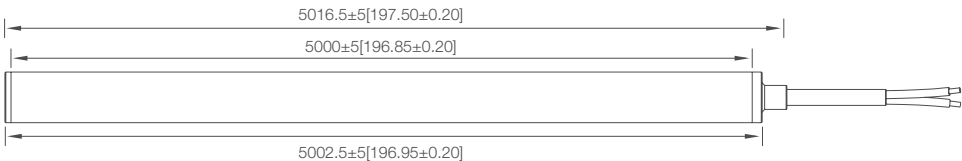
Other Parameters

Model No.	LED QTY (pcs/m)	Min. Cuttable Length	Working Temperature	Storage Temperature
NCR19- Single Color	336	35.71mm	-20~+60℃	-20~+70℃

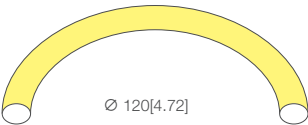
Note:
The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

Profile Drawings

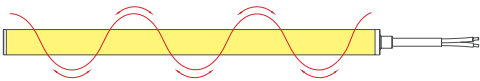
Unit:mm[inch]



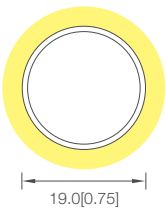
Bend direction



Bending Diameter

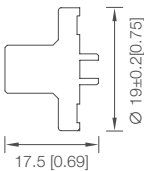


Sectional view



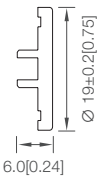
Front cap

Glue Process (IP65)



Closing End-cap

Glue Process (IP65)



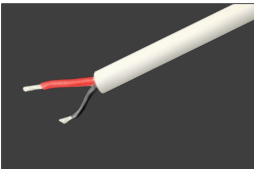
Product accessories



PCIS (front)

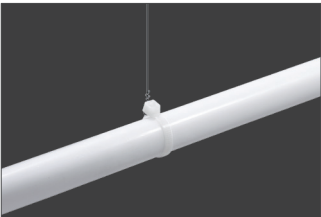


ECS (end)



Cable

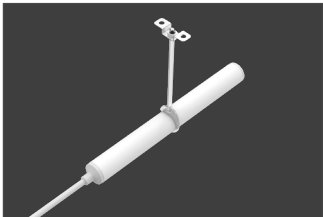
Installation method



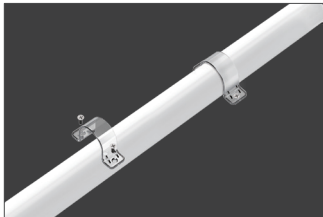
Pendant Kit - steel cable and ribbon



Pendant Kit - steel cable and hook



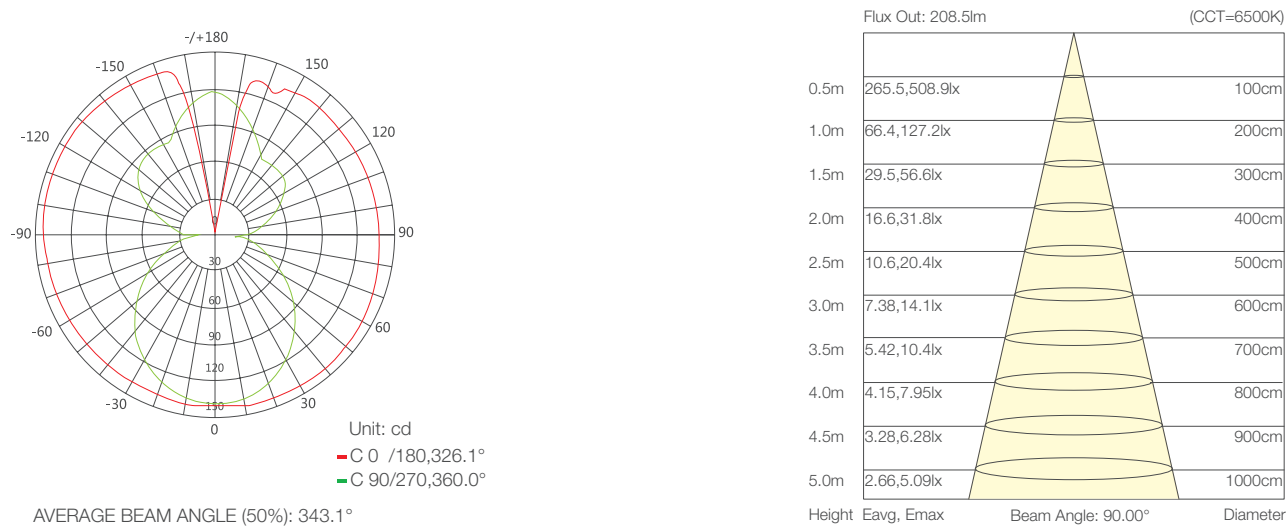
Pendant Kit - pole and hook



Plastic Clip

Luminous Intensity Distribution Diagram

Average Illumination



Note: the above data is based on NCR19 at 6500K. For other data, please consult sales rep.
Luminous flux, power error ±10%

Packaging information

Model No.	Product Size L*W (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Net Weight (kg)	Gross Weight (kg)
NCR19	5000*19*19	480*445*370	5	6	/ (1±10%)	12.05 (1± 10%)

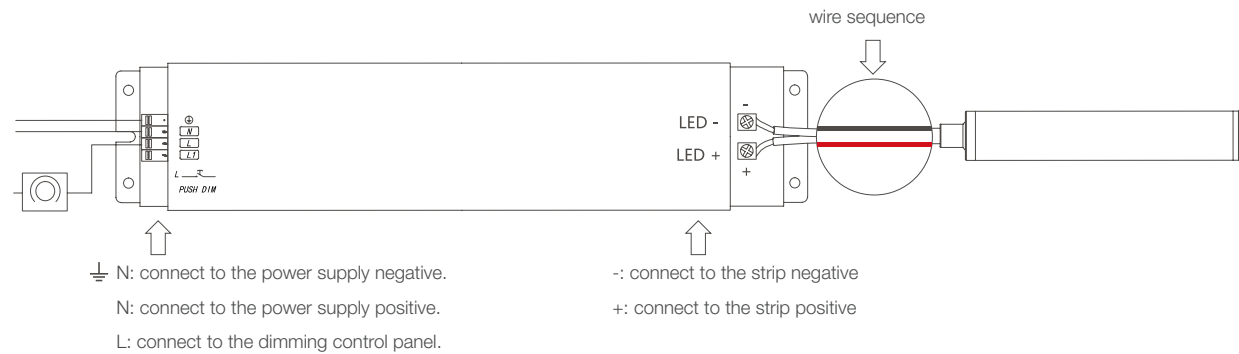
Note:

- One piece(5m) of this product rolled on a reel
- 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.

Recommended power supply upon working length

Working Length	Measured Current	Rated Voltage	Measured Power	Recommended Power Supply	Power Supply Mode
1m	0.67A	DC 24V	16.0W	25W	Single Feed
5m	2.80A	DC 24V	67.2W	100W	Single Feed

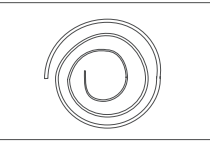
Controller Wring



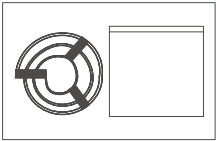
Note:

This case uses a thyristor dimmer for dimming.
The power supply can support up to a 5m product. Please see the power supply specification for more info.
This case uses the TD-150-24-E1M1 controller.

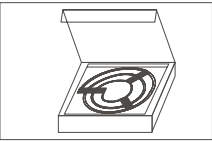
Packaging Information



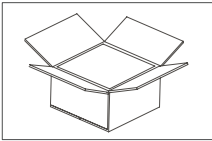
Roll up the product



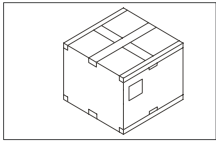
Put the product into a bag;



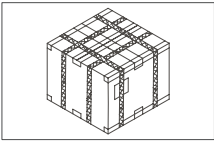
Put the bag into a box



Put boxes into a bigger carton box;



Seal and label the carton box;



Use packing belt to pack. Add edge protectors if necessary

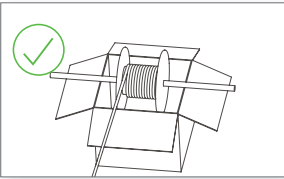
Model No.	Product Size (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Gross Weight (kg)
NCR19	5000*19*19	480*445*370	5	6	12.05(1±10%)

- 5m per reel, finally put into a carton box
- 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.

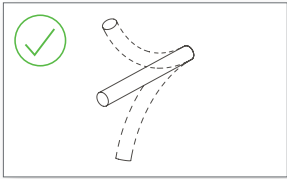
Reliability test

Project	Reference standards	Category	Test conditions	Outcome
Environmental test	Blueview standard	Temperature cycling test	Th = 60°C/4h, Ta =20°C/1H, TL=- 40°C/4h,continuous cycle lighting	Pass
		High temperature resistance test	Simulated TH=60 °C, continuous power on	
		Room temperature bending test	Ta=25°C, continually light on,100h	
		Water-spray test	Exposed to the rain:12h/day, on/off transfer time:1h	
Mechanical strength testing	Blueview standard	Room temperature bending test	Bending diameter 10cm, Ta=25°C, continually light on	Pass
		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.	
		Twisting test	Light on the sample, forward and reverse rotation 360° one time each, a total of 10 times.	

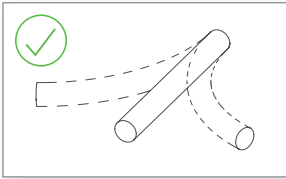
Warning Mark



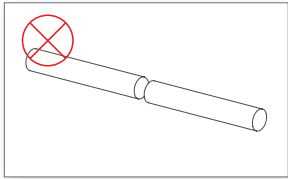
Insert a stick on the reel and place it on the packing box,and rotate the reel to get the product.



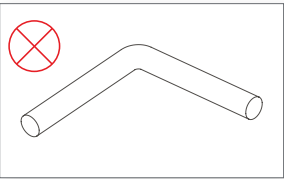
use in convex direction



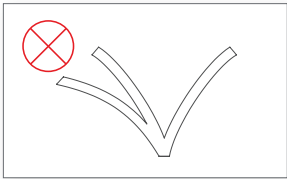
Side bending



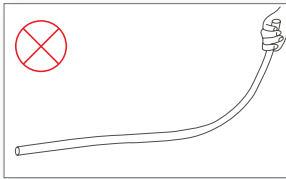
Do not make irregular cuts.



Do not bend at right angles



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



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

- Note:
1. There are cutting marks on the PCB;
 2. Please pay attention to above warnings during transportation and 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

Packaging information

- 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.
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