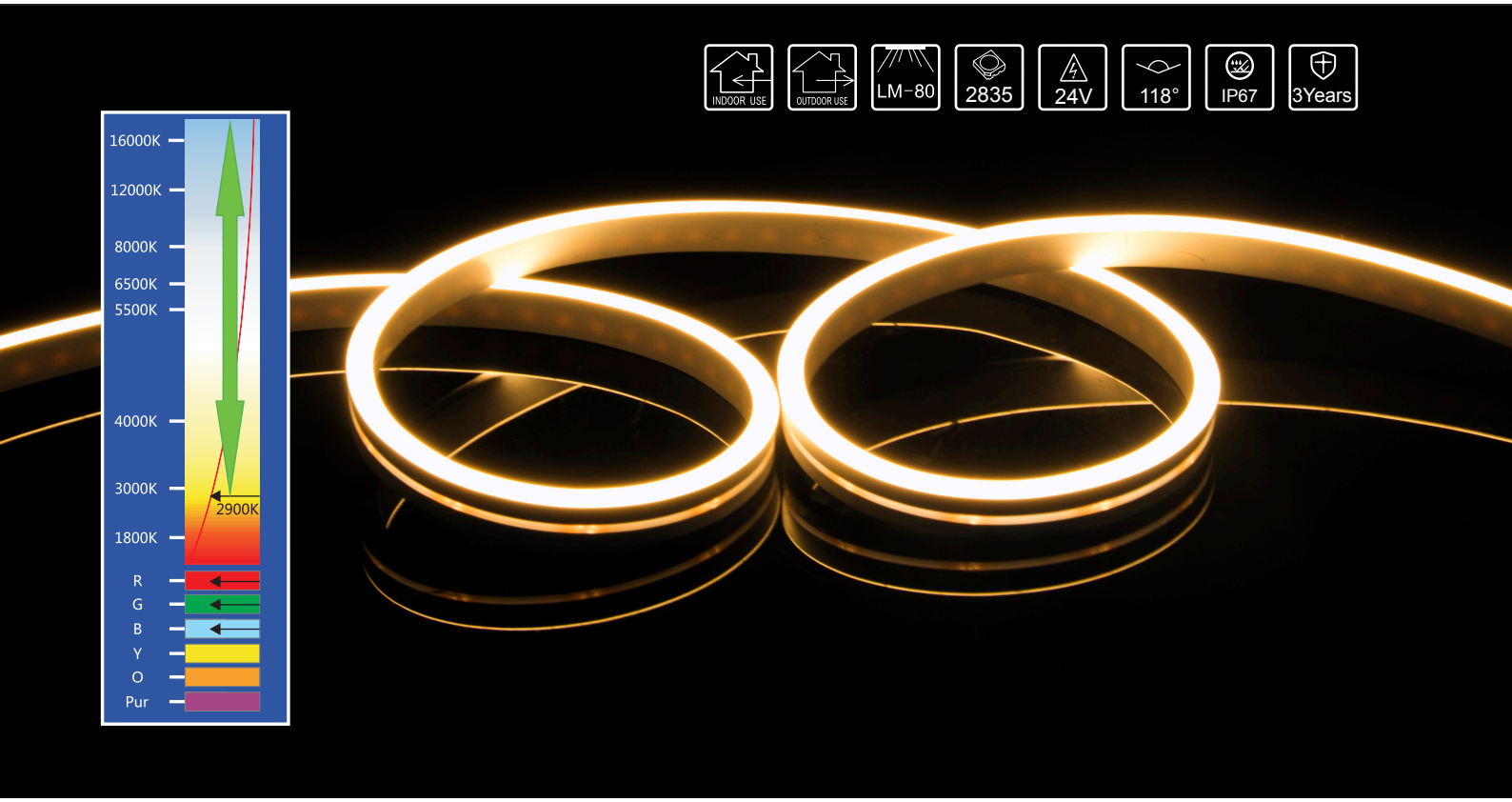
PERSPEX
Distribution Ltd

LED Neon^{10}
410 FT



Features

1.Adopt high quality 2835 LED
2.High quality IC design for stable and reliable performance
3.Side bending, flexible and cuttable every 50mm (1.97 inch)
4.Max run 5m in single feed and 10m in double feed without brightness loss
5.Extrusion modeling, IP67 with excellent weather resistance

Application

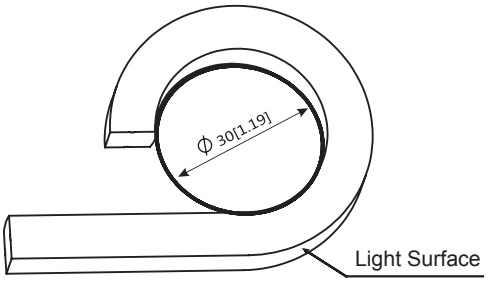
Facade lighting, steps, bridges, hotel, signage lighting, decorating lighting,etc.

Installation

By clips

Bending diameter:

Unit:mm



Specification

Model No.	Light Color	Color Temperature/ Wavelength(K/nm)	Beam Angle	Luminous Flux (lm/m)	Ra	Efficacy (lm/W)	Voltage (V DC)	Power (W/m)
LED Neon[10] - 410 FT	W	2900-25000	118°	238	80+	26.3	24	10
	R	620-625		79	--	8.6		
	G	520-525		312	--	20.65		
	B	465-470		43	--	4.6		

Other Parameters

Model No.	LED Quantity (pcs/m)	Standard Packing Length L*W*h(mm)	Max Run Single Feed (m)	Min Cuttable Length(mm)	Working Temperature	Storage Temperature
LED Neon[10] - 410 FT	120	5000X4.5X10	5	50	-20~+60℃	-20~+70℃

NOTE:

1.Test environment temperature : 25±2°C.
2.The above data is typical values. The actual data of each single product may differ from the typical values. The data is subject to change without notice.
3.Luminous flux is tested when lighting on with the single color.
4.Different color temperature will make luminous flux different.
*The luminous flux is tested in 6500K color temperature.
*Luminous flux and Power tolerance within±10%.
*The max run here is in single feed, and it is 10m in double feed.

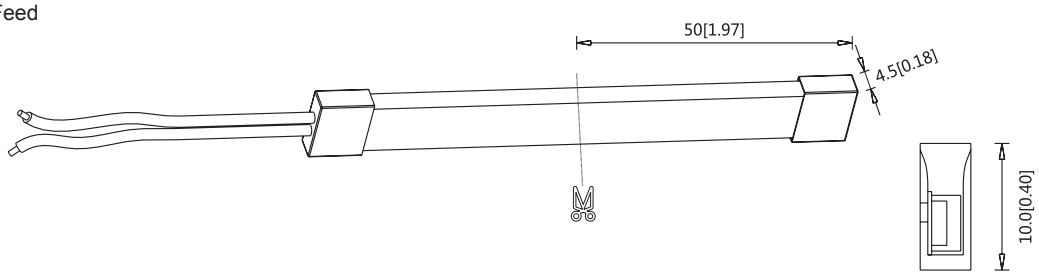
Working Length vs. Recommended Power Supply

Model No.	Working Length (m)	Rated Current (A)	Rated Voltage (DC V)	Rated Power (W)	Recommended Power Supply(W)	Power Supply Mode
LED Neon[10] - 410 FT	1	0.4	24	9.6	15	Single Feed
	5	2.0	24	48	60	Single Feed
	10	4.0	24	96	150	Double Feed

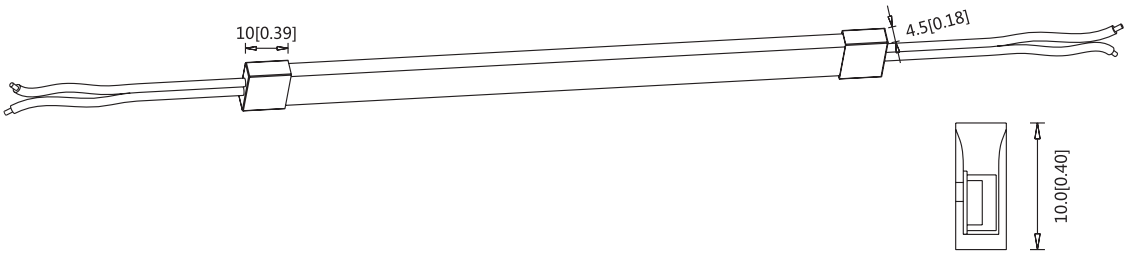
Profile Drawings

Unit:mm[inch]

Single Feed

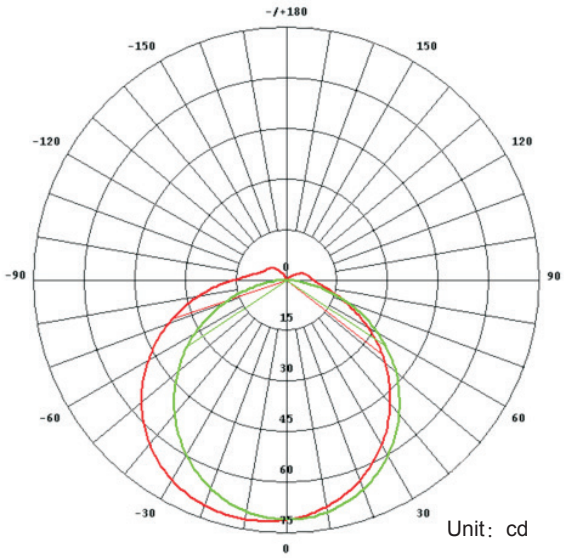


Double Feed



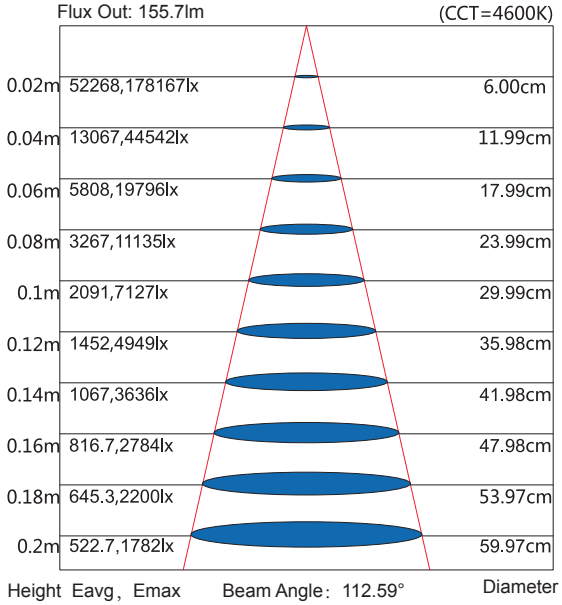
Note:For detailed drawing, please consult sales rep.

Luminous Intensity Distribution Diagram



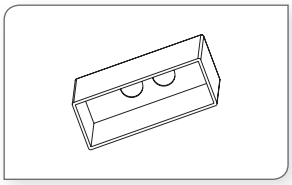
AVERAGE BEAM ANGLE(50%)： 118.0°

Average Illumination

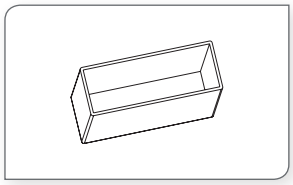


Note: The above two figures are tested when the sample NSF2-4 is normally on at 4600K for other data, please consult sales rep.

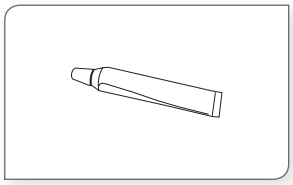
Product accessories



End exit(FREE)
Quantity(5m):4pcs



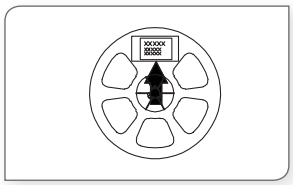
End cap(FREE)
Quantity(5m):4pcs



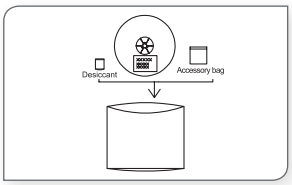
Silicone glue (OPTIONAL)
Quantity(5m):1sets

Note:more accessories can be provided according to customer requirements

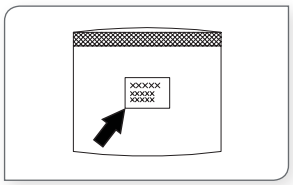
Packaging Information



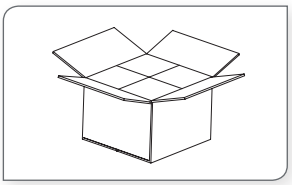
Label the reel;



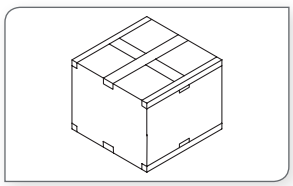
Put reel, accessory bag and desiccant together into static shielding bag;



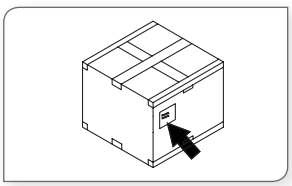
Seal and label the static shielding bag;



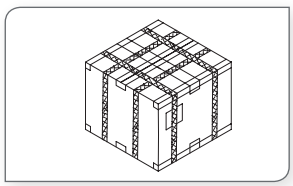
Put the packed static shielding bag into carton box;



Seal the carton box;



Label the box;



Use packing belt to pack. Add edge protectors if necessary.

Packaging information

Model No.	Product Size (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Net Weight(kg)	Gross Weight(kg)
LED Neon10 - 410 FT	5000X4.5X10	390X390X325	5	60	15.9(1±10%)	21.7(1±10%)

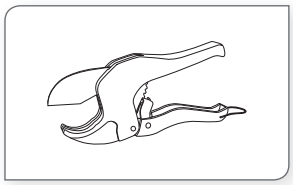
Note:

Every 5m for a reel,one reel for a static shielding bag

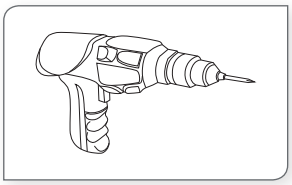
The above quantity and weight are only for the illustrated packaging method. There will be differences in the quantity and weight with other packaging methods.

Installation

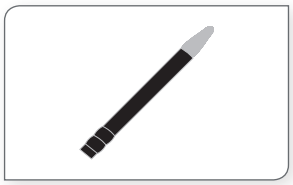
1.Tools



Cutter



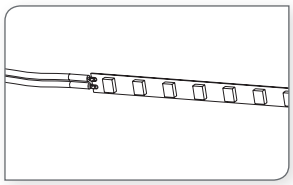
Electric batch



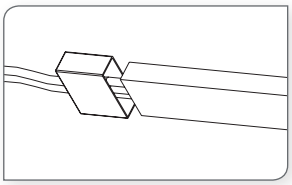
Brush

2.Installation steps

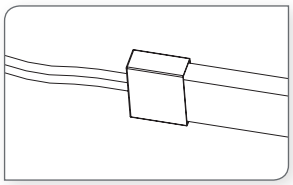
Details of installation operation at input end



Weld the wire to the PCB board

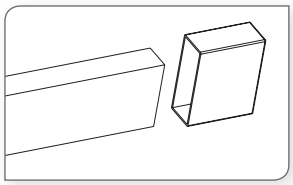


First put waterproof glue inside of the plug, then push into the tape light

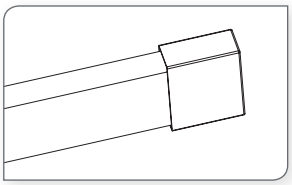


Wipe off the excess glue and wait for the glue to solidify.

Details of installation operation at the end part



First put some glue inside of the plug, then push into the tape light

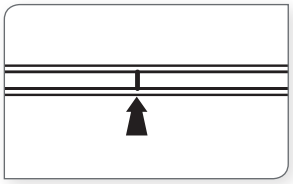


Wipe off the excess glue and wait for the glue to solidify.

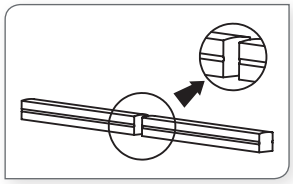
Note:

1. At welding part, note the positive and negative poles of lines and board and the corresponding colors on the board; positive to positive and negative to negative
2. Each connection point must use 10g silica gel, and treat waterproof and insulation well;
3. The screw of installation card must perpendicular to installation surface and be fastened, as shown in the right.

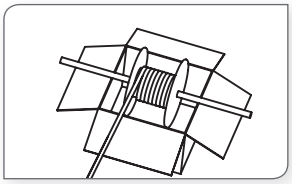
Attentions



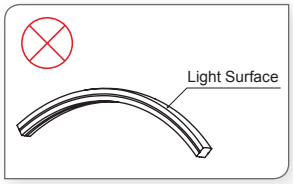
cuttable identifier



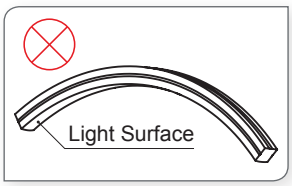
Neat and smooth cut



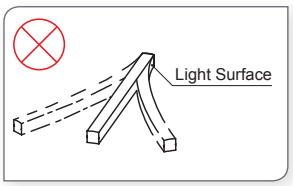
Slide a spindle into the roll and then place the roll with spindle on top of the box provided.



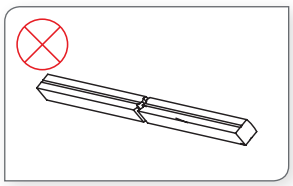
Do not use in convex direction



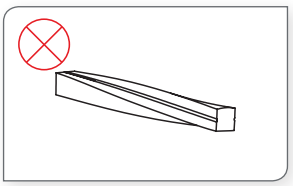
Do not use in concave direction



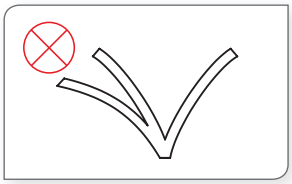
Do not bend left and right



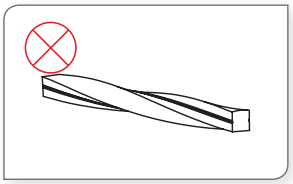
Do not make irregular cuts.



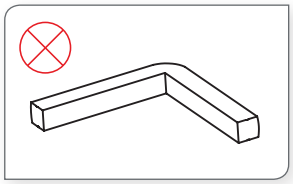
Do not use in distortions



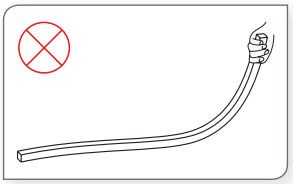
Do not bend many times,for it can endanger electronic lines.



Do not use on wringing(twist)



Do not bend at right angles



Gently unroll the fixture without excessive force.

Note:

Cutting marks are on the PCB and can be seen at the bottom of the product.

The above diagram only shows the correct or wrong way of operation. The product should be based on the actual product.

Attentions before installation

- Before installation, check that the product parameters are consistent with the requirements (Seeing product specificationsor 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 insulation,waterproof and anti-corrosive treatment.

Common Faults and Troubleshoot

Quick Guide		
Problems	Reasons	Solutions
All LEDs can not light on.	No electric supply.	Power on
	Automatic power protection from the open or short circuit in output of the power supply.	Fix the short circuit problem.
	Wrong connection of power supply.	
LEDs can not light on partly.	Some switching mode power supplies are not powered.	Check the power supply system to fix it.
	Power supply line error.	
	Mistaken wire connection of some of products	Correctly connection
Brightness of LED is inconsistent tor insufficient.	Power overloaded.	Replace with more powerful power
	Power supply circuit excessive consumption.	Make sure the working voltage of the product within ±5% of standard voltage, or keep balance by circuit power consumption.
	Excessive quantities in series connection of the product	Reduce the quantities of the product in series connection to meet requirement.
LED flicker.	Connection point fault.	Remove bad connection point.
	Switching power supply failure.	Replace a new power supply.
	Wrong Installation or use of products	Please follow the instructions

⚠ 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.

Statements and Recycling

Statements:

Repair should be operated by a qualified technician, 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.