



NP360™ Specification

25mm Dia Flexible Illumination

Neon Specification

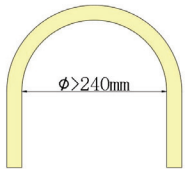
NP360-25-5M-24



Feature

1. Innovative technology, 360 degree lighting, uniform throughout, no dark area;
2. Flexible materials, matched with wide application solutions, can be ceiling mounted & suspended, meet any modeling requirements;
3. Can be Linear lighting, circle lighting, arc lighting, or special-shaped lighting , provides the best creativity for the space design and the artistic modelling;
4. Minimum cutting length is only 6.25mm, free cutting;
5. Silicone integrated extrusion molding process, IP65 waterproof;
6. 3 years warranty

Min. Bending Diameter



- Min. Bending Radius
120mm / 4.72in
- Min. Cutting Length
6.25mm / 0.246in

Ambient Working Temperature
-40 ~ 55°C

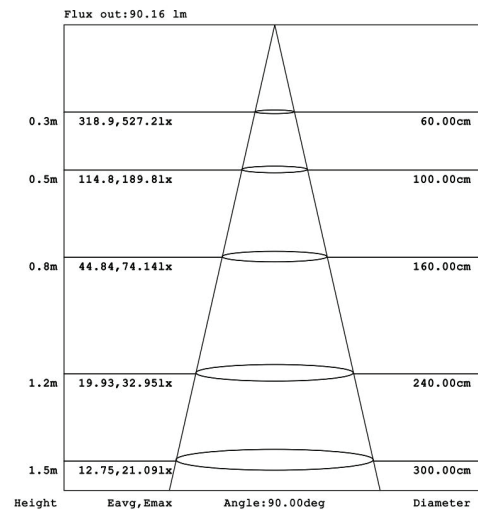
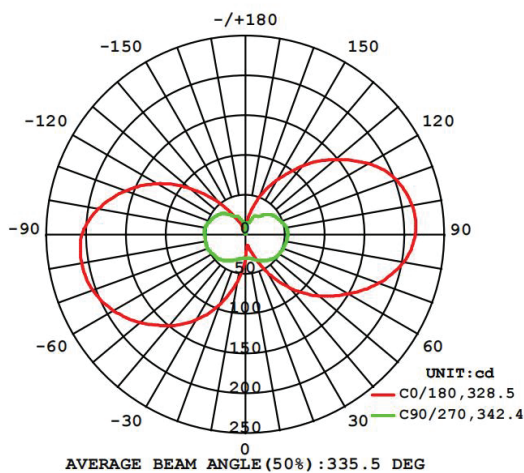
Storage Temperature
-40 ~ 60°C

Electrical & Output Data

Model No.	NP360-25-5M-24			
Step length (mm)	6.25mm			
Voltage (v)	24V			
Color	2700K	3000K	4000K	5000K
Ra	90			
Beam Angle(°)	360			
Power (w/m)	14W			
Lumen(lm/m)	994@ Ra90 @ 3000K			
IP rate	65			
Installation	Mounting Clips			

The electrical data provided on the each product pages are for reference only; the data values are not guaranteed. Specification may be subject to change without announcement.

Illuminance Distribution

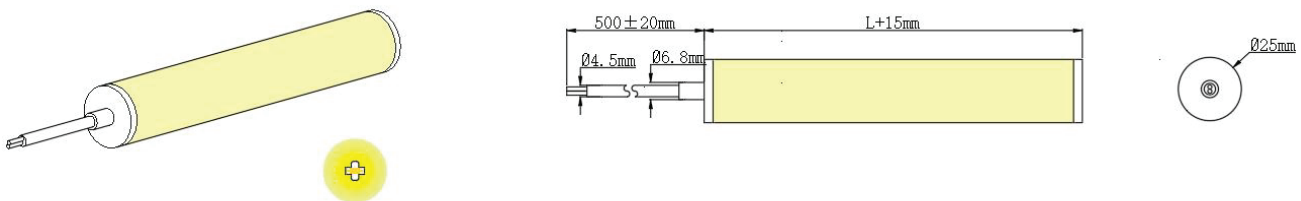


Light efficiency & Lumen Output

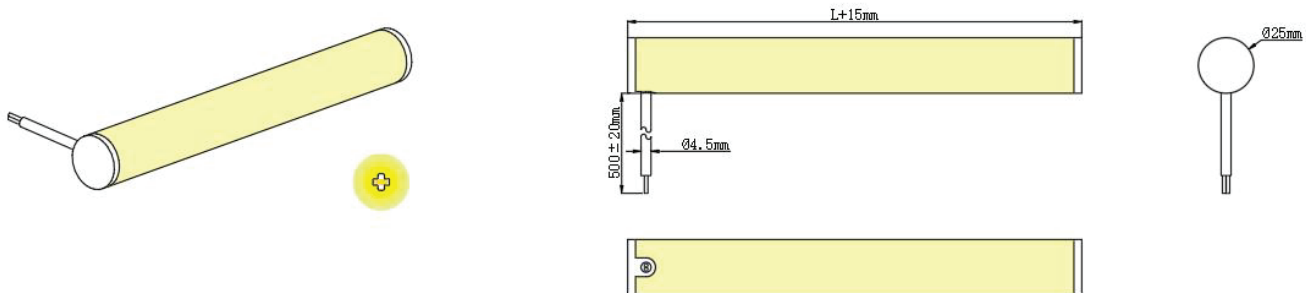
Item No.	Color temperature	Ra	Beam angle	Luminous flux (lm/m)	Luminaire efficacy (lm/W)	Power (W/M)
SW-NFD25-5000-24	2700K	90	360°	980	70	14W/M
SW-NFD25-5000-24	3000K	90	360°	994	71	14W/M
SW-NFD25-5000-24	4000K	90	360°	1022	73	14W/M
SW-NFD25-5000-24	5000K	90	360°	1022	73	14W/M

Dimensions & available lengths

1. Wire from the end



2. Wire from the side



Note: The length of "L" is the length of the light strip, which is an integer multiple of the minimum cutting length.

Max. Running Length



Type	White
IP Rate	65
Item Code	Single-end
max.length (m)	7.5% @5M 23.5% @10M

Note:

1. Above conclusion is based on voltage drop testing result of the light with 200mm cable only.
2. The maximum running length is based on the light in static full loading status.
3. Above running length is only the light length excluding lengths of connectors.
4. The delivery length might be subject to the maximum packing length.

NP360 Wiring Diagram

Please use a constant voltage power supply with corresponding output voltage, and rated wattage of the power supply shall be 25% more than the actual power consumption of light to increase its life expectancy;

1.This wiring diagram is using the mains of AC 220-240V with brown and blue wires as an example, and please connect with the corresponding live and neutral wires for other mains electricity;

2.Dimming frequency ranges from 100Hz to 2000Hz, and 500Hz is recommended.

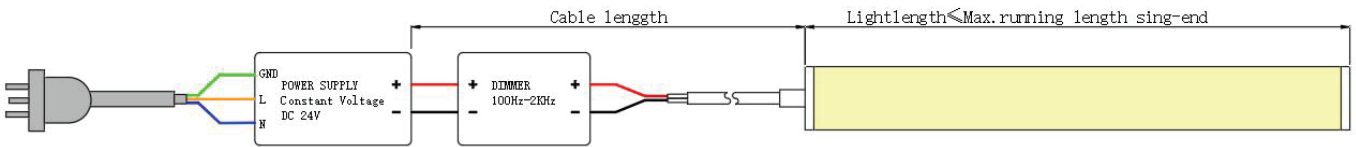
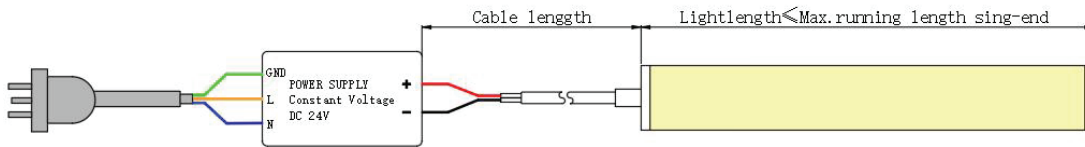
Light Length:
The length of the longest single light in parallel connection or sum of lights in series connection.

Cable Length:
The length of an electrical cable between power output end and light input end, and the cables for serial interconnection are inclusive.

How to Minimize Voltage Drop:
1.Please ensure the cable length is not more than the table "Max. Cable Length" according to light length and its wire gauge.

2.Please ensure the light length is less than the cable "Max. Running Length Single-end"

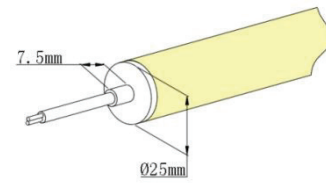
Single-end Feed



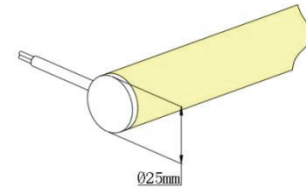
Connector Type

Dimension: mm

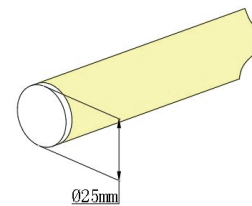
Waterproof End Cap-End



Waterproof End Cap- Side



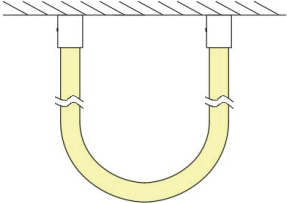

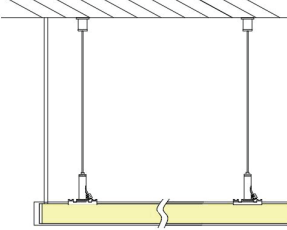

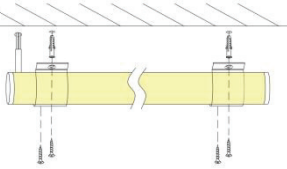

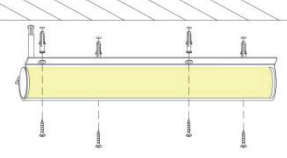

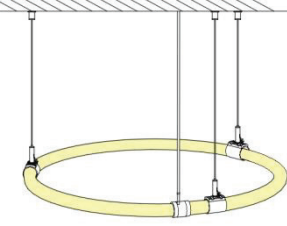

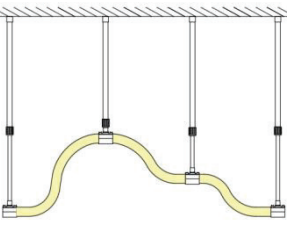

Waterproof End Cap No outlet



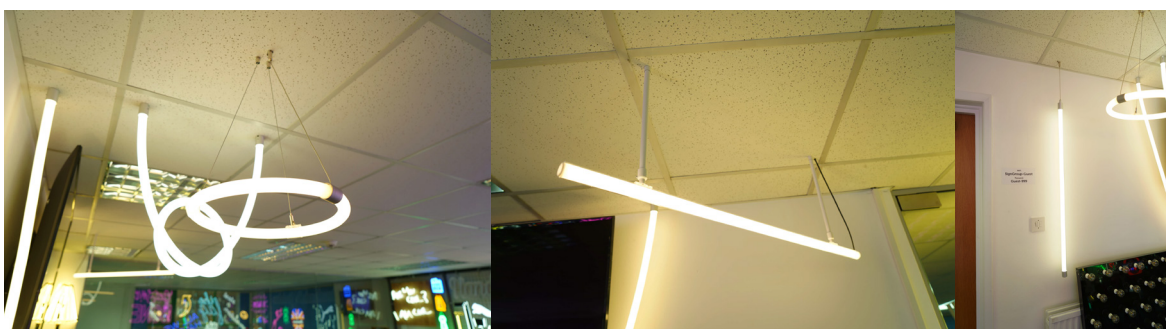
Note: To avoid damage from excessive force on the cable joint, please allow at least 60mm extra cable to let the cable act as a bush.

Installation and application type

Installation schematic	Product Name	Accessories Picture
	<p>Vertical pendant accessory Kit</p>	
	<p>Vertical surface mounted accessory kit</p>	

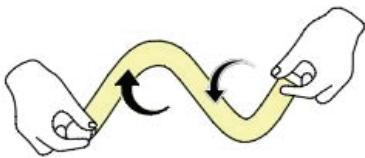
	<p>Double ended surface mounted accessory kit</p>	
	<p>Horizontal pendant accessory Kit</p>	
	<p>Horizontal surface mounted accessory kit</p>	
	<p>Horizontal surface mounted accessory kit</p>	
	<p>Ring pendant accessory kit</p>	
	<p>Free-style pendant accessory Kit</p>	

Name	Lamp holder components		Ceiling cover	Metal end cap
Accessories Picture				
Name	Connector	Round tube	1m Round tube components	Steel cable
Accessories Picture				
Name	Connector	Round tube components	PC mounting clip	PC mounting channel
Accessories Picture				
Name	Silicon end cap/ End outlet	Silicon end cap/Side outlet	Silicon end cap /without hole	0.5m PVC wire /straight outlet
Accessories Picture				
Name	0.5m PVC wire /side outlet	305m PVC wire / roll	Glue	
Accessories Picture				



Precautions

- Please use a DC constant voltage isolation power supply to drive the LED strip. In practical application, it is recommended the constant voltage power supply should retain 25% power (It is recommended to use only 75% of the maximum output).
- Pay attention to the positive and negative terminals of the power cord, and do not connect them wrongly to avoid potential damage to the product.
- During the installation process, please avoid scratching, twisting and/or irregular bending of the product, otherwise it may cause irreparable damage to the product.
- In order to ensure the longevity and reliability of the light strip, please do not bend it in an arc with a radius of less than 120mm. If smaller, it will damage the product.
- If the actual application length exceeds the specified use length, it will cause the led strip to overload and heat, and the brightness will be non-uniform.
- Non-professionals are prohibited from installing, disassembling and repairing the product.
- It is strictly forbidden to use any acidic or alkaline adhesives to fix products (including but not limited to glass glue, etc.).
- Different IP grades are used in different scenarios, and IP65 is not suitable for immersed water environments.
- Products of different sizes and specifications under the same colour temperature value, may appear different due to structural differences in the how the product is made. As the final colour of the product may differ to other similar products, we recommend testing it before final use.
- Light strips that are cut arbitrarily need to be glued or plugged after cutting.
- Please use professional cutting tools when cutting to avoid damage to the product.



Do not bend it in an arc with a radius of 120mm or less



No stretching



No trampling

