



# LED NEON FLEX

NSR1025





**Features**

- Color options: Tunable white, RGB and RGBW.
- Design: Superior design with exquisite craftsmanship ensure stable and reliable performance.
- Flexibility: Side bending, min. bend diameter 50mm[1.96].
- IP grade: Silicone extrusion, injection molded cap, IP68 protection.Glue process end caps, IP67 protection.
- Warranty: 5 years indoor, 3 years outdoor.
- Customization: multiple spec options, can be customized upon requirements.



**Optical & Electrical Parameters**

Model No.	NSR1025-WN			NSR1025-RGB			
CCT/Wavelength (K/nm)	2700K	6200K	W+N	Red	Green	Blue	RGB
Beam Angle (°)	180	180	180	179	179	179	179
Luminous Flux (lm/m)	297	280	565	50	126	27	202
CRI	80+	80+	80+	/	/	/	/
Efficacy (lm/W)	41.4	39.4	39.5	10.3	23.6	5.0	13.0
Voltage (V DC)	24	24	24	24	24	24	24
Measured Power (W/m)	7.2	7.1	14.3	17.3	17.3	17.3	17.3

Model No.	NSR1025-RGBW					NSR1025-PIXEL			
CCT/Wavelength (K/nm)	6200K	Red	Green	Blue	RGBW	Red	Green	Blue	RGB
Beam Angle (°)	200	200	200	200	200	200	200	200	200
Luminous Flux (lm/m)	91	26	52	13	173	23	47	11	77
CRI	80+	/	/	/	/	/	/	/	/
Efficacy (lm/W)	17.3	6.2	11.4	2.7	9.4	3.4	6.9	1.5	5.5
Voltage (V DC)	24	24	24	24	24	24	24	24	24
Measured Power (W/m)	5.2	4.2	4.5	4.8	18.4	6.6	6.9	6.9	14.0

**Other Parameters**

Model No.	NSR1025-WN	NSR1025-RGB	NSR1025-RGBW	NSR1025-PIXEL
LED QTY (pcs/m)	240	72	72	60
Product Size L*W*H(mm)	10000*10*25	5000*10*25	5000*10*25	10000*10*25
Standard Run Length(mm)	10000	5000	5000	10000
Min. Cuttable Length(mm)	50.0	83.3	83.3	100.0
Working Temperature	-20~+60°C	-20~+60°C	-20~+60°C	-20~+60°C
Storage Temperature	-20~+70°C	-20~+70°C	-20~+70°C	-20~+70°C

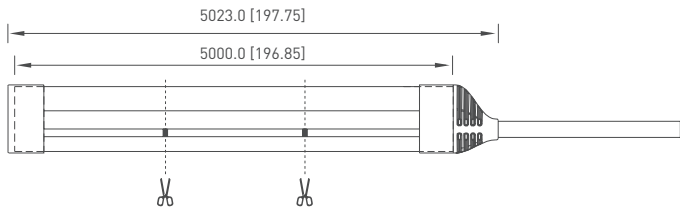
**Note:**

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%.

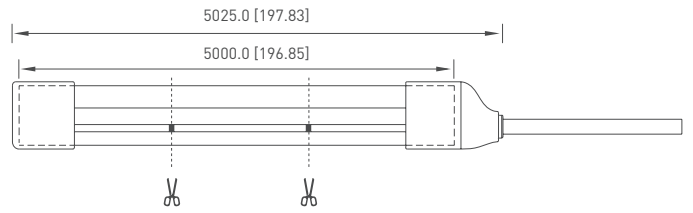
Profile Drawings

Unit:mm[inch]

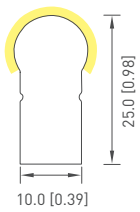
Glue Process (IP67)



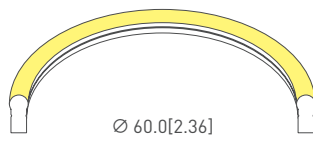
Molding Pressed (IP68)



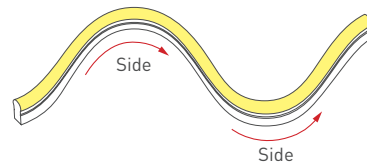
Sectional view



Bend direction

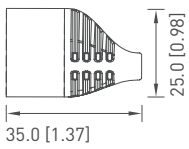


Bending Diameter

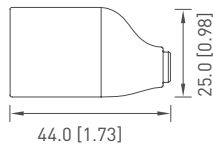


Front cap

Glue Process (IP67)

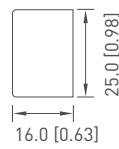


Molding pressed (IP68)

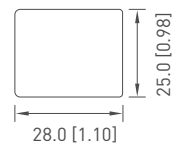


Closing End-cap

Glue Process (IP67)



Molding pressed (IP68)

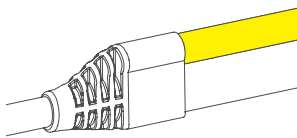


Remarks: "L" is the standard size of the light strip, can be customized according to the multiple of the minimum cutting unit length.

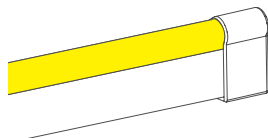
IP Process Technology

Glue Process (IP67)

Front cap

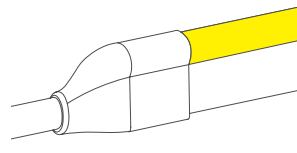


Closing End-cap

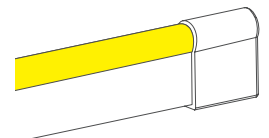


Molding pressed (IP68)

Front cap







Closing End-cap




- After cutting, the IP protection of both glue processed and injection moulded product will drop to IP65, for injection moulded product, if customer self-processed injection moulded end cap for the cutted end, the IP protection will keep the IP67 level.
- Injection moulded end cap self-processing, need to prepare corresponding mold and molding equipment.
- If the customer reprocesses Blueview injection moulded end cap, and the waterproof of the molded end does not meet Blueview standard, the potential trouble covered by the warranty.

## Product accessories

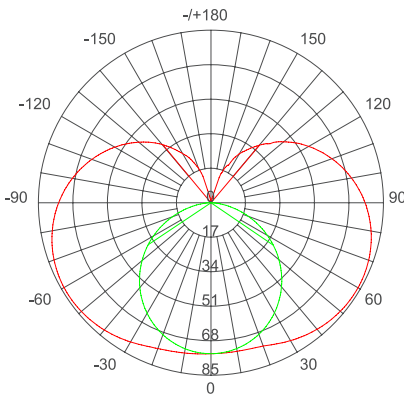
Item	Model No.	Dimensions (L*W*H)mm	Quantity (m)/pcs	Free/Optional
 Front cap	NSR1025-PCIS	45*26*12	(5/10) 2-4	Free
 Closing End-cap	NSR1025-ECS	27*16*14	(5/10) 2-4	Free
 Front cap (Molding pressed)	NSR1025-PCIM	44*28*15	(5/10) 2-4	Optional
 Closing End-cap (Molding pressed)	NSR1025-ECIM	28*28*15	(5/10) 2-4	Optional
 White Sheathed Cable	NSR0615-PMC	136	(5/10)	Optional
 Connector Set	NSR1025-ICJ	63.80*22.60*13.65	(5/10)	Optional
 L Connector Set	NSR1025-ICL	30*32*32	(5/10)	Optional
 Installation set	NSR1025-AMC	35*15*21	(5/10)	Optional
 S-type track	NSR1025-ACS	500*13.5*13.6	(5/10)	Optional
 Aluminum track	NSR1025-AC	35*21.2*19	(5/10)	Optional
 Aluminum channel	----	1000*18.7*19	(5/10)	Optional

Product accessories

Item	Model No.	Dimensions (L*W*H)mm	Quantity (m)/pcs	Free/Optional	
	Screws	--	----	(5/10)	Optional
	Silicone Glue	--	----	(5/10): 1	Optional

Luminous Intensity Distribution Diagram

Average Illumination



Unit: cd  
 - C 0 /180,247.8°  
 - C 90/270,116.5°  
 AVERAGE BEAM ANGLE (50%): 182.2°

Flux Out: 213.0 lm

Height	Eavg, Emax	Diameter
0.5m	105.9,321.7lx	159.31cm
1.0m	26.47,80.43lx	318.61cm
1.5m	11.76,35.75lx	477.92cm
2.0m	6.618,20.11lx	637.22cm
2.5m	4.235,12.87lx	796.53cm
3.0m	2.941,8.937lx	955.83cm
3.5m	2.161,6.566lx	1115.14cm
4.0m	1.654,5.027lx	1274.44cm
4.5m	1.307,3.972lx	1433.75cm
5.0m	1.059,3.217lx	1593.06cm

Beam Angle: 115.76°

Note: 样品为 NSR1025-WN,for other data, please consult sales rep.

Packaging information

Model No.	NSR1025-WN	NSR1025-RGB	NSR1025-RGBW	NSR1025-PIXEL
Product Size L*W*H (mm)	10000*10*25	5000*10*25	5000*10*25	10000*10*25
Carton Size (mm)	380*380*325	380*380*325	380*380*325	390*390*325
Meter/Reel	10	5	5	10
Reel/Carton	3	10	10	10
Net Weight (kg)	/	/	/	/
Gross Weight (kg)	12.25 (1± 10%)	18.65 (1± 10%)	18.65 (1± 10%)	16.15 (1± 10%)

- Each roll(5m) of this product is loaded with a reel, and the reel is packed in an aluminum foil bag, and finally in an outer 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.

## Recommended power supply upon working length

Model No.	NSR1025-WN			NSR1025-RGB		
	1	5	10	1	5	10
Working Length(m)	1	5	10	1	5	10
Rated Current (A)	0.8	4	8	0.72	3.6	7.2
Rated Voltage (DC V)	24	24	24	24	24	24
Rated Power(W)	19.2	96	192	17.28	86.4	172.8
Recommended Power Supply(W)	30	150	200	30	150	240
Power Supply Mode	Single Feed	Single Feed	Double Feed	Single Feed	Single Feed	Double Feed

Model No.	NSR1025-RGBW			NSR1025-PIXEL		
	1	5	10	1	5	10
Working Length(m)	1	5	10	1	5	10
Rated Current (A)	0.72	3.6	7.2	0.54	2.7	5.4
Rated Voltage (DC V)	24	24	24	24	24	24
Rated Power(W)	17.28	86.4	172.8	10.0	64.8	129.6
Recommended Power Supply(W)	30	150	200	20	80	150
Power Supply Mode	Single Feed	Single Feed	Double Feed	Single Feed	Single Feed	Double Feed

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