

LED NEON FLEX

NSF1017





Features

- Color options: Single color, tunable white and RGB
- Design: Superior design with exquisite craftsmanship ensure stable and reliable performance.
- Flexibility: Side bending, min. bend diameter 60mm [2.36inch].
- IP grade: Silicone extrusion, molding pressed 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. | NSF1017-Single color | | | | | | | | | |
|-----------------------|----------------------|-------|-------|-------|------|-------|------|--------|--------|------|
| CCT/Wavelength (K/nm) | 3000K | 4000K | 5000K | 6300K | Red | Green | Blue | Yellow | Orange | |
| Beam Angle (°) | 120° | 120° | 120° | 120° | 120° | 120° | 120° | 120° | 120° | 120° |
| Luminous Flux (lm/m) | 379 | 402 | 399 | 392 | 146 | 293 | 61 | 291 | 122 | |
| CRI | 80+ | 80+ | 80+ | 80+ | / | / | / | / | / | / |
| Efficacy (lm/W) | 32.4 | 34.5 | 34.0 | 33.4 | 12.2 | 24.1 | 14.9 | 24.0 | 10.8 | |
| Voltage (V DC) | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Measured Power (W/m) | 11.7 | 11.6 | 11.7 | 11.7 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |

| Model No. | NSF1017-WN | | | NSF1017-RGB | | | |
|-----------------------|------------|-------|------|-------------|-------|------|------|
| CCT/Wavelength (K/nm) | 2700K | 6500K | W+N | Red | Green | Blue | RGB |
| Beam Angle (°) | 115° | 115° | 115° | 120° | 120° | 120° | 120° |
| Luminous Flux (lm/m) | 263 | 278 | 528 | 35 | 66 | 17 | 112 |
| CRI | 80+ | 80+ | 80+ | / | / | / | / |
| Efficacy (lm/W) | 36.6 | 38.5 | 36.8 | 7.8 | 11.6 | 2.7 | 6.8 |
| Voltage (V DC) | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Measured Power (W/m) | 7.2 | 7.2 | 14.4 | 4.5 | 5.6 | 6.3 | 16.4 |

Other Parameters

| Model No. | NSF1017-Single color | NSF1017-WN | NSF1017-RGB |
|--------------------------|----------------------|-------------|-------------|
| LED QTY (pcs/m) | 112 | 240 | 108 |
| Product Size L*W*H(mm) | 15000*10*17 | 10000*10*17 | 5000*10*17 |
| Standard Run Length(mm) | 15000 | 10000 | 5000 |
| Min. Cuttable Length(mm) | 62.5 | 50.0 | 55.6 |
| Working Temperature | -20~+60°C | -20~+60°C | -20~+60°C |
| Storage Temperature | -20~+70°C | -20~+70°C | -20~+70°C |

Note:

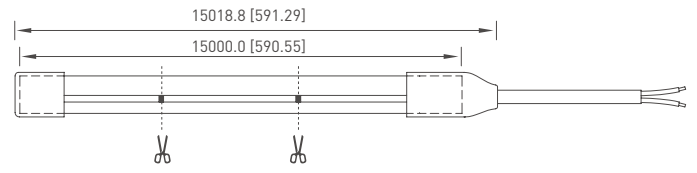
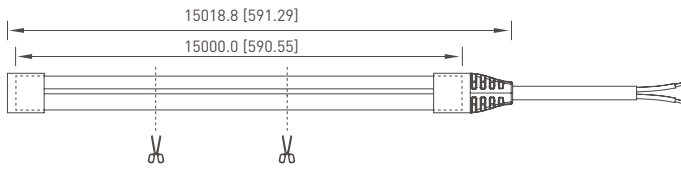
The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

Profile Drawings

Unit:mm[inch]

Glue Process (IP67)

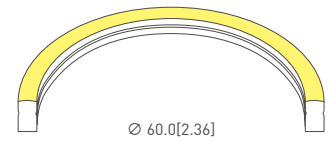
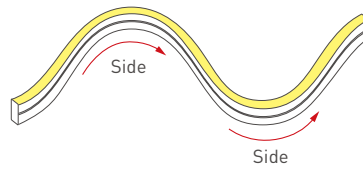
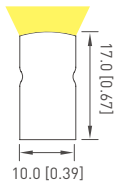
Molding Pressed (IP68)



Sectional view

Bend direction

Bending Diameter



Front cap

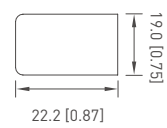
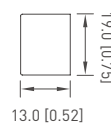
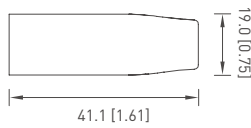
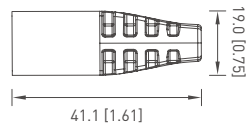
Closing End-cap

Glue Process (IP67)

Molding pressed (IP68)

Glue Process (IP67)

Molding pressed (IP68)

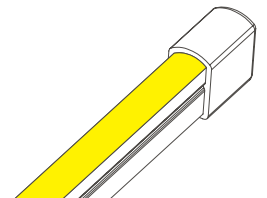
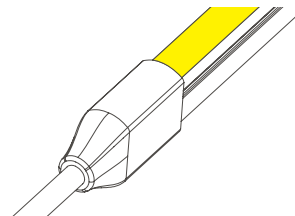
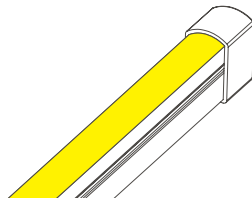
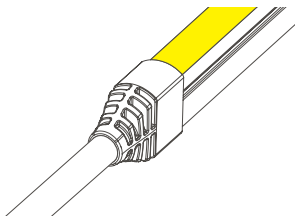


Remarks: "L" is the standard size of the light strip, can be customized according to the multiple of the minimum cutting unit length.

IP Process Technology

Glue Process (IP67)

Molding pressed



- 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

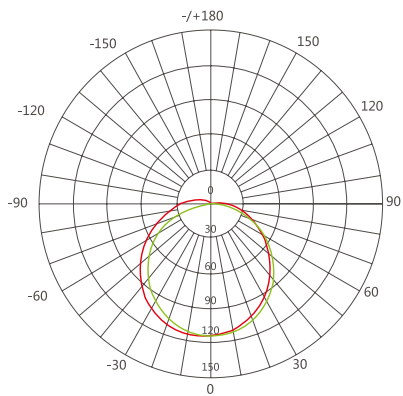
| Item | Model No. | Dimensions (L*W*H)mm | Quantity (m)/pcs | Free/Optional |
|--|---------------|----------------------|------------------|---------------|
|  Front cap (Glue Process) | NSF1017-PCIS | 41*12*19 | (10/15): 2-4pcs | Free |
|  Closing End-cap (Glue Process) | NSF1017-ECS | 13*14*8 | (10/15): 2-4pcs | Free |
|  Front cap (Molding pressed) | NSF1017-PCIIM | 44*28*15 | (10/15): ---- | Optional |
|  Closing End-cap (Molding pressed) | NSF1017-ECIM | 28*28*15 | (10/15): ---- | Optional |
|  Front cap (Left) | NSF1017-PCLS | 26*18*19 | (10/15): ---- | Optional |
|  Front cap (Right) | NSF1017-PCBS | 26*18*19 | (10/15): ---- | Optional |
|  Front cap (bottom) | NSF1017-PCBS | 26*12*24 | (10/15): ---- | Optional |
|  Aluminum track | NSF1017-AMC | 35*15*20 | (10/15): ---- | Optional |
|  S-type track | NSF1017-ACS | 500*11*17 | (10/15): ---- | Optional |
|  Aluminum channel | NSF1017-AC | 1000*12*17 | (10/15): ---- | Optional |
|  Screws | ---- | ---- | (10/15): ---- | Optional |

Product accessories

| Item | Model No. | Dimensions (L*W*H)mm | Quantity (m)/pcs | Free/Optional |
|---|-----------|----------------------|------------------|---------------|
|  | ---- | ---- | (10/15): 1 | Optional |

Luminous Intensity Distribution Diagram

Average Illumination



Unit: cd
 - C 0 /180,120.2°
 - C 90/270,113.6°

AVERAGE BEAM ANGLE (50%): 116.9°

| Height | Flux Out: 259.2lm (5200K) | Beam Angle: 110.83° | Diameter |
|--------|---------------------------|---------------------|-----------|
| 0.5m | 150.1,507.0lx | | 145.05cm |
| 1.0m | 37.5,126.8lx | | 290.10cm |
| 1.5m | 16.7,56.3lx | | 435.15cm |
| 2.0m | 9.38,31.7lx | | 580.20cm |
| 2.5m | 6.01,20.3lx | | 725.25cm |
| 3.0m | 4.17,14.1lx | | 870.30cm |
| 3.5m | 3.06,10.4lx | | 1015.35cm |
| 4.0m | 2.35,7.92lx | | 1160.40cm |
| 4.5m | 1.85,6.26lx | | 1305.45cm |
| 5.0m | 1.50,5.07lx | | 1450.50cm |

Note: for other data, please consult sales rep.

Packaging information

| Model No. | NSF1017-Single color | NSF1017-WN | NSF1017-RGB |
|-------------------------|----------------------|----------------|---------------|
| Product Size L*W*H (mm) | 15000*10*17 | 10000*10*17 | 5000*10*17 |
| Carton Size (mm) | 390*390*200 | 380*380*325 | 390*390*325 |
| Meter/Reel | 15 | 10 | 5 |
| Reel/Carton | 2 | 6 | 12 |
| Net Weight (kg) | / | / | / |
| Gross Weight (kg) | 6.8 (1± 10%) | 14.15 (1± 10%) | 15.5 (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. | NSF1017-Single color | | | | NSF1017-WN | | |
|-----------------------------|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 1 | 5 | 10 | 15 | 1 | 5 | 10 |
| Working Length(m) | 1 | 5 | 10 | 15 | 1 | 5 | 10 |
| Rated Current (A) | 0.48 | 2.4 | 4.8 | 7.2 | 0.6 | 3.0 | 8.0 |
| Rated Voltage (DC V) | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Rated Power(W) | 11.5 | 57.6 | 115.2 | 172.8 | 14.4 | 72.0 | 114.0 |
| Recommended Power Supply(W) | 20 | 80 | 150 | 250 | 25 | 100 | 200 |
| Power Supply Mode | Single Feed | Single Feed | Single Feed | Single Feed | Single Feed | Single Feed | Single Feed |

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