# NEON FLEX

## LX-NF-NNR25

| IP | IK | CRI | |
|---|---|---|---|
| 65 | 08 | >90 | DC12-24-48V |

UV RESISTANT · FLAME RESISTANT · SALTWATER RESISTANT · SOLVENT RESISTANT

5 GARANTIE · bridgelux · CE · RoHS · 36000h

### NEON FLEX

· Light source: high luminous efficiency LED lamp beads, LM80 test certification;

· Process material: high light transmittance, high purity silica gel material, IP65 protection level;

· Optical design: unique optical light distribution structure design, 360° light output uniformly without shadows;

· Appearance design: skin-friendly surface treatment, comfortable touch, good flexibility, and simple shape;

· Product certification: UL, CE, ROHS, UKCA, CB;

· Environmental characteristics: salt solution resistance, acid and alkali corrosion resistance, flame retardant resistance, UV resistance;

· Working/storage temperature: Ta: -25~55°C / 0°C~60°C; Symphony working/storage temperature: Ta: -20~40°C/ 0°C~60°C;

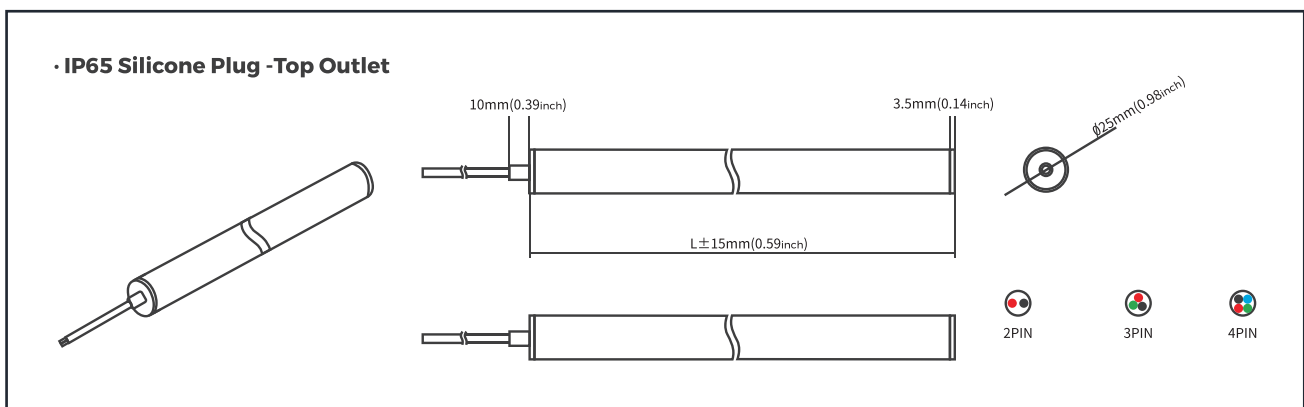· Product application : office lighting, decorative lighting, artistic lighting, modeling contrast;



| 2300 K | 2700 K | 3000 K | 4000 K | G | B | CCT | RGB | Pixel |
|---|---|---|---|---|---|---|---|---|
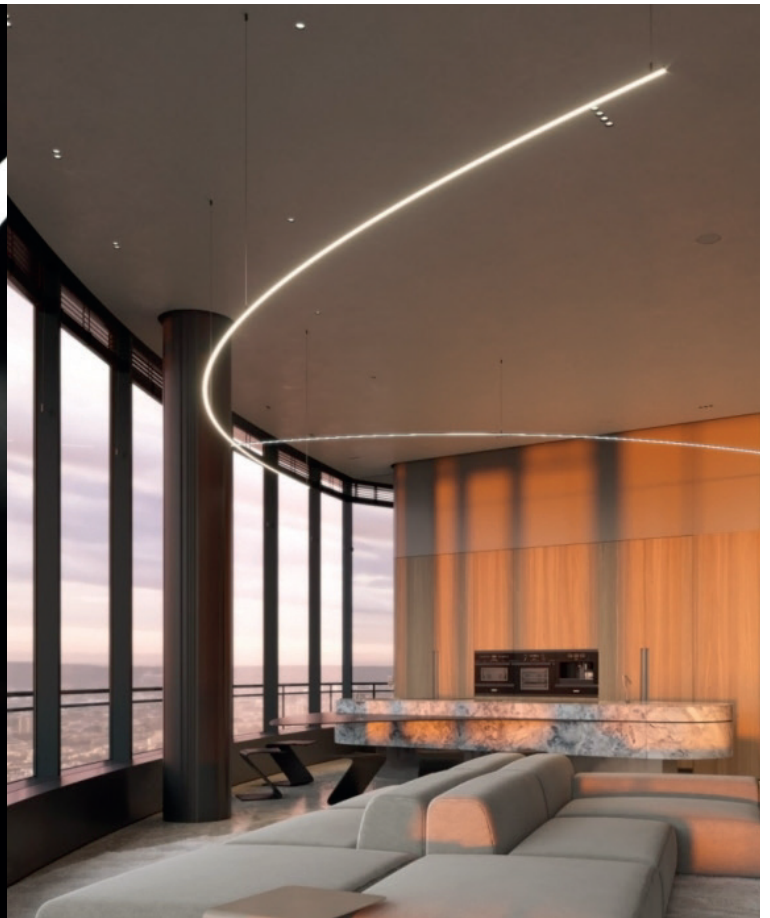




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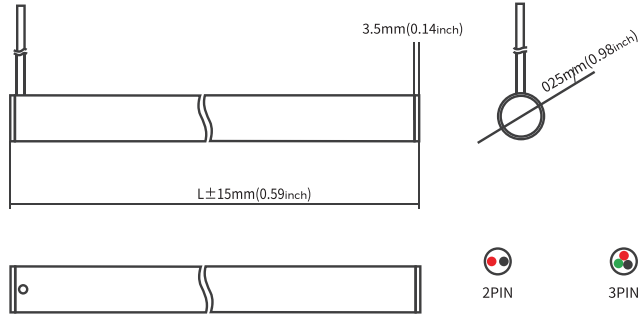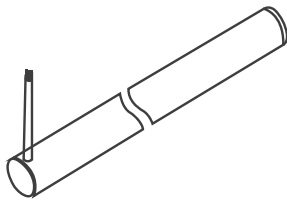LIGHTING

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## References

| Reference | Rated power (w/m) | Maximum power (w/m) | Input Voltage | Rated current (A/m) | CRI | CCT/K | Luminous flux | IP Rating | Dimensions | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| LX-NF-NNR25 | 14.4W | 16W | 24V | 0.6 | >90 | 2300K | 750Lm | IP65 | 1000mm - 2500mm - 5000mm | Arbitrary cutting 4LED/11.97mm |
| | | | | | | 2700K | 950Lm | | | |
| | | | | | | 3000K | 950Lm | | | |
| | | | | | | 4000K | 950Lm | | | |
| | 10W | 11W | | 0.42 | / | G 620-630nm | / | | | No cutting 14LED/41.67mm |
| | | | | | | B 465-470nm | / | | | |
| | 14.4W | 16.5W | | 0.6 | | RGB | / | | | No cutting 14LED/50mm |
| | 14.4W | 16W | | 0.6 | >90 | 2300K~4000K | 510Lm | | | No cutting 24LED/31.25mm |
| | 17.2W | 19.8W | | 0.72 | / | RGBW | 950Lm | | | No cutting 24LED/62.5mm |
| | 12.5W | 13.7W | 48V | 0.26 | >90 | 2300K | / | | 20000mm | No cutting 28LED/83.33mm |
| | | | | | | 2700K | 875Lm | | | |
| | | | | | | 3200K | 1000Lm | | | |
| | | | | | | 4400K | 1000Lm | | | |
| | 17.2W | 19.8W | | 0.36 | / | RGBW | 1060Lm | | 10000mm | No cutting 48LED/125mm |
| | 21.6W | 23.8W | 12V | 1.8 | / | R | / | | 5000mm | Arbitrary cutting 2LED/11.11mm |
| | | | | | | G | / | | | |
| | | | | | | B | / | | | |
| | | | | | | RGB | 302Lm | | | |

1. The above parameters are tested based on 1m (3.28ft) standard products;
2. The luminous flux is allowed to have an error range of ±10%;
3. The above parameters are typical values;

## Product mechanical parameters

· IP65 Silicone Plug -Top Outlet



10mm(0.39inch)    3.5mm(0.14inch)    ⌀25mm(0.98inch)

L±15mm(0.59inch)

2PIN    3PIN    4PIN

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## · IP65 Silicone Plug-Side outlet



3.5mm(0.14inch)

L±15mm(0.59inch)

025mm(0.98inch)

2PIN    3PIN    4PIN

# Accessory Information

| Installation schematic | Accessories Picture | name | Order model | quantity/ case (PCS) | net weight (kg) | Per box net weight | Gross weight (kg) | Gross weight (mm) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| / | | NNR25 ceiling Fixed installation components | LX-NNR25P1-25 | 100 | 0.01 | 1.00 | 1.20 | 250*250*150 | Size:L25*W51.6*H27.8mm , With screws; 3pcs/1M;5pcs/2.5M;8pcs/5M |
| | | Vertical hanging side outlet Install accessory kit (1m) | LX-NNR25VHS1-1000 | 16 | 0.28 | 4.40 | 5.29 | 1285*160*160 | LX-NNR25-XXXXBC0100 Round tube:1M ;Wire rope:2M |
| | | Vertical hanging side outlet Install accessory kit (2.5m) | LX-NNR25VHS1-2500 | 16 | 0.52 | 8.40 | 10.12 | 2580*165*165 | LX-NNR25-XXXXBC0250 Round tube:2.5M ;Wire rope:2M |
| | | Hang the top vertically Outlet installation accessory kit (1m) | LX-NNR25VHD1-1000 | 16 | 0.31 | 4.90 | 5.79 | 1285*160*160 | LX-NNR25-XXXXBC0100 Round tube:1M ;Wire rope:2M |
| | | Vertical hanging from the top Install accessory kit (2.5m) | LX-NNR25VHD1-2500 | 16 | 0.55 | 8.83 | 10.55 | 2580*165*165 | LX-NNR25-XXXXBC0250; Round tube:2.5M ;Wire rope:2M |
| | | Single-ended vertical ceiling Install accessory kit (1m) | LX-NNR25VCC1-1000 | 16 | 0.23 | 3.63 | 4.52 | 1285*160*160 | LX-NNR25-XXXXBC0100 Round tube:1M ; |
| | | Single-ended vertical ceiling Install accessory kit (2.5m) | LX-NNR25VCC1-2500 | 16 | 0.47 | 7.57 | 9.29 | 2580*165*165 | LX-NNR25-XXXXBC0250 Round tube：2.5M ; |

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| Installation schematic | Accessories Picture | name | Order model | quantity/ case (PCS) | net weight (kg) | Per box net weight | Gross weight (kg) | Gross weight (mm) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | | Horizontal ceiling installation components | LX-NNR25LCX-1000 | 15 | 0.08 | 1.20 | 1.80 | 1180*125*115 | LX-NNR25-XXXXBC0100 LX-NNR25-XXXXBC0500 PC slot 3M; |
| | | Horizontal hoisting Install components (38mm) | LX-NNR25LHX-0038 | 96 | 0.07 | 6.75 | 7.35 | 365*365*190 | LX-NNR25-XXXXBC0100 LX-NNR25-XXXXBC0250 LX-NNR25-XXXXBC0500 Round tube :38mm; Wire rope 2pcs, L 2M; |
| | | Horizontal hoisting Install components (1M) | LX-NNR25LHX-1000 | 16 | 0.18 | 2.88 | 3.48 | 1180*125*115 | LX-NNR25-XXXXBC0100 Round tube L:1M; Wire rope 2pcs, L :2M; |
| | | Horizontal hoisting Install components (2.5M) | LX-NNR25LHX-2500 | 16 | 0.33 | 5.28 | 6.28 | 2580*165*165 | Round tubeL :2.5M; Wire rope 2pcs 2pcs, L 2M; |
| | | Double-ended vertical ceiling Kits | LX-NNR25VCC1-XX-2 | 48 | 0.13 | 6.05 | 6.65 | 365*365*190 | LX-NNR25-XXXXBC0100 LX-NNR25-XXXXBC0250 LX-NNR25-XXXXBC0500 |
| | | Can be spliced Install components | LX-NNR25DHS-XX | 48 | 0.05 | 2.30 | 2.91 | 365*365*190 | LX-NNR25-XXXXBC0100 LX-NNR25-XXXXBC0250 LX-NNR25-XXXXBC0500 |
| | | Concealed Install components | LX-NNR25DCX-XX | 480 | 0.01 | 2.40 | 3.13 | 365*365*190 | LX-NNR25-XXXXBC0100 LX-NNR25-XXXXBC0250 LX-NNR25-XXXXBC0500 |
| | | Can be shaped and hoisted Install components | LX-NNR25DHX-0038 | 15 | 0.20 | 3.00 | 3.62 | 415*250*230 | LX-NNR25-XXXXBC0100 LX-NNR25-XXXXBC0250 LX-NNR25-XXXXBC0500 Round tube L 38mm; Telescopic rodL:0.6M |
| / | | LX-NNR25 Plug set | LX-NNR25GH0-EC | 500 | 0.0004 | 0.20 | 1.00 | 250*250*150 | / |
| / | | LX-NNR25 Plug set | LX-NNR25GS0-EC | 500 | 0.0004 | 0.20 | 1.00 | 250*250*150 | / |

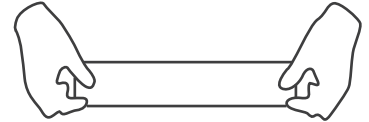luxio
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| Installation schematic | | Accessories Picture | name | Order model | quantity/ case (PCS) | net weight (kg) | Per box net weight | Gross weight (kg) | Gross weight (mm) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| / | | | Connector | LX-FC-0001 | 512 | 0.018 | 9.216 | 10.2 | 365*365*190 | Suitable for monochromatic light strip |
| / | | | Connector | LX-FC-0002 | 512 | 0.018 | 9.216 | 10.2 | 365*365*190 | Suitable for CCT light strip |
| / | | | Connector | LX-FC-0003 | 512 | 0.018 | 9.216 | 10.2 | 365*365*190 | Suitable for RGB light strips |
| Glue | 588G acidic glue | | / | LX-PG-0002 | 150 | 0.014 | 2.1 | 2.4 | 250*250*150 | 10ml/pcs |
| Wire | 2P PVC wire (0.5M) | | / | LX-WS-0001 | 150 | 0.01541 | 2.31 | 2.61 | 250*250*150 | Suitable for monochromatic light strips (Use the top-out line) |
| Wire | 2P PVC wire (2M) | | | LX-WS-0002 | 125 | 0.0616 | 7.7 | 8 | 250*250*150 | |
| Wire | 4P PVC wire (0.5M) | | / | LX-WS-0003 | 150 | 0.0194 | 2.91 | 3.21 | 250*250*150 | Suitable for RGB strips (Use the top-out line) |
| Wire | 4P PVC wire (2M) | | | LX-WS-0004 | 125 | 0.0776 | 9.7 | 10 | 250*250*150 | |

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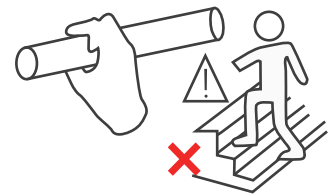www.luxio-lighting.com

Outdoor-Indoor/Neon flex

# Precautions

·Please use an isolated power supply to drive the LED light bar, and the ripple of the constant voltage source is less than 5%. Do not use resistance-capacitance step-down, non-isolated power supplies to drive the LED light bar.

·In actual applications, the power supply should reserve 20% of the margin (it is recommended to use only 80% of the power) to ensure sufficient voltage to drive the product.

· Please operate carefully, do not touch the AC power terminal when the power is on to prevent electric shock.

·Pay attention to the positive and negative poles of the power cord, and do not connect it wrongly. Whether the voltage of the power supply and the product are the same, so as to avoid damage to the product.

·During the installation process, please avoid scratching, twisting and irregular bending of the product, otherwise it may cause irreparable damage to the product.

· In order to ensure the life and reliability of the light strip, please do not bend it in an arc with a radius of 120mm or less. A too small bending radius will damage the product itself.

·If the actual application length exceeds the specified use length, it will cause the lamp belt to overload and heat, and the brightness is uneven.

·In order to prevent your eyes from being hurt, try to avoid staring at the light-emitting surface of the light bar for a long time.

· 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 environments.

· Products of different sizes and specifications under the same color temperature value due to structural differences, the final color of the product is slightly deviated, and it needs to be confirmed before use.

· Light strips that can be cut arbitrarily need to be glued or plugged after cutting. Colored light and color temperature are strictly prohibited to be cut to avoid damage to the lamp due to cutting.

· Please use professional cutting tools when cutting.

It is forbidden to wrap objects less than 150mm

NO stretching

No trampling

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