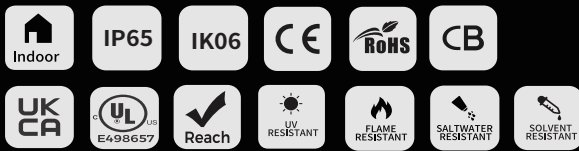


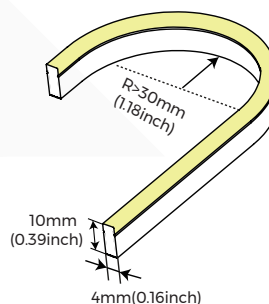
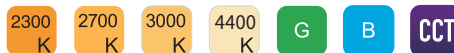
Neon Specification

NMS0410



【Features】

- Light source: High luminous efficiency, LM80 test proved.
- Process & Material: High light transmittance, environmental silicone material, integrated extrusion molding technology, IP65.
- Optical Design: Unique optical light distribution structure design, uniform lighting surface and no shadow.
- Appearance Design: Compared with the traditional neon tube or PVC guardrail tube, the silicone material has good flexibility, the simple and stylish appearance, which is exquisite and unique.
- Product Certification: UL, CE, ROHS, UCKA, CB.
- Environmental Features: Resistance to saline solutions, acids & alkali, corrosive gases and UV.
- Working/Storage Temperature: Ta: -30~55°C / 0°C~60°C.
- Application: Signage lighting, Outdoor/indoor lighting
- White/G/B/CCT with 3 years warranty or working life = 36000H, whichever comes first.



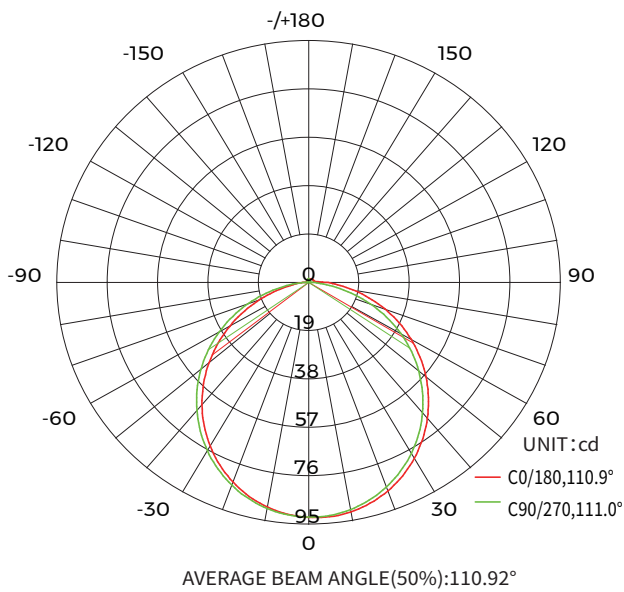
【Basic Parameters】

| Model | CCT/colors | CRI | Input voltage (V) | Rated current (A/m) | Rated power (W/m) | MAX power (W/m) | Lumens (LM/m) | Length | Remark |
|-----------------------------|-------------|-----|-------------------|---------------------|-------------------|-------------------|------------------|--------------------|--|
| NMS0410-9XXXXCSN050CC0500 | 2300K | >90 | 12/24 | 0.6 (0.18A/ft) | 7.2 (2.19W/ft) | 7.9 (2.41W/ft) | 240 (73LM/ft) | 5000mm (16.4ft) | 3LED/17.86mm (12V) 7LED/41.66mm (24V) |
| | 2700K | | | | | | | | |
| | 3000K | | | | | | | | |
| | 4000K | | | | | | | | |
| NMS0410-0XXXXCSN050CC0500 | G 525-530nm | / | 12/24 | 0.3 (0.09A/ft) | 7.2 (2.19W/ft) | 7.9 (2.41W/ft) | / | 5000mm (16.4ft) | |
| | B 465-470nm | | | | | | | | |
| NMS0410-9LWNWXXCSN050CC0500 | 2300K-4000K | >90 | 12/24 | 0.6 (0.18A/ft) | 7.2 (2.19W/ft) | 7.9 (2.41W/ft) | 220 (67LM/ft) | 5000mm (16.4ft) | 6LED/15.625mm (12V) 12LED/31.25mm (24V) |

Note:

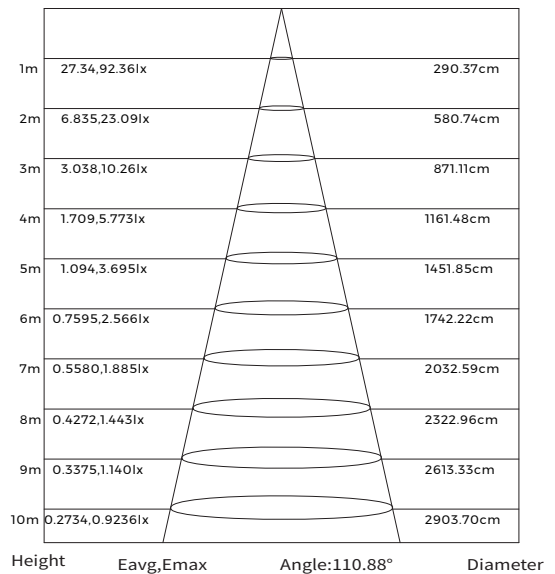
1. The above data is the testing result of 1M standard product;
2. The lumens of output data can be vary up to $\pm 10\%$;
3. The above parameters are all typical values.

[Light Distribution]



Light distribution

Flux out:188.8lm



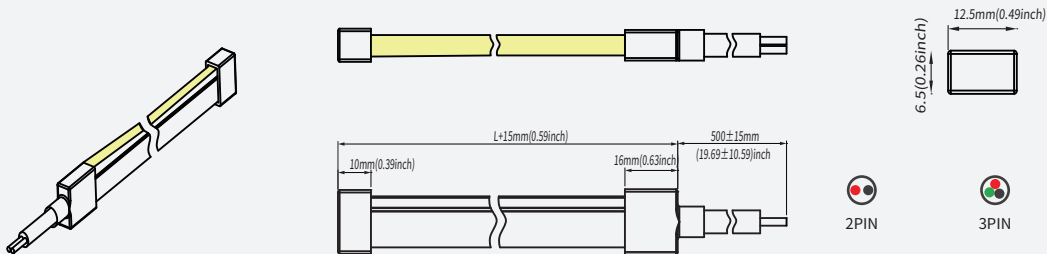
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Effective average illuminance

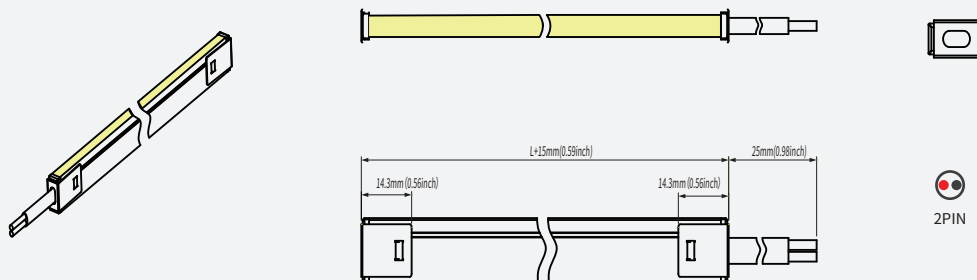
Note: The above data is based on 24V monochrome 4000K color temperature. If you need other models of IES files, please download the corresponding models from the IES database.

[Product Mechanical Parameters]


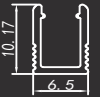
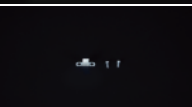






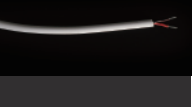




• IP65 Glued cap-top outlet







• IP65 Metal cap-top outlet



[Accessory Information]

| Name | Description | Image | Sectional size | Ordering code | Quantity case (PCS) | Net weight (kg) | Per box net weight (kg) | Gross weight (kg) | Packing (mm) | Remark | |
|-------------------|--|---|---|------------------|---------------------|-----------------|-------------------------|-------------------|---------------------------------|-----------------------------------|---------------------------------|
| Alumina carrier | Flat mounting aluminum groove |  |  | AS-NMS0410A-1000 | 30 | 0.06 | 1.8 | 2.85 | 1180*135*130 | Size : L1000*W6.5*H10.1mm | |
| Fixed clip | Fixed clip, 0.3mm stainless steel, sprayed with white paint on the surface |  |  | AS-NMS0410S-18 | 2000 | 0.0006 | 1.2 | 1.5 | 250*250*150 | Size: L18*W5.4*H9.9mm with screws | |
| End cap set | End cap set, including end cap and plug |  |  | AS-NMS0410GHO-EC | 400 | 0.0035 | 1.4 | 1.7 | | / | |
| Metal end cap kit | End cap set, including silicone end cap, isolation sheet, and metal end cap clip |  |  | AS-NMS0410SHO-EC | 2000 | 0.0015 | 1.2 | 1.5 | | / | |
| Gray wire | 2P PVC wire (0.5M) |  | / | AS-WS-0005 | 150 | 0.0128 | 1.92 | 2.22 | | Suitable for single color strip | |
| Gray wire | 2P PVC wire (2M) | | | AS-WS-0006 | 125 | 0.0512 | 6.4 | 6.7 | | | |
| Gray wire | 3P PVC wire (0.5M) |  | / | AS-FC-0017 | 150 | 0.0154 | 2.31 | 2.61 | | | Suitable for SWW strip |
| Gray wire | 3P PVC wire (2M) | | | AS-FC-0018 | 125 | 0.0616 | 7.7 | 8 | | | |
| Gray wire | 2P JST wire (0.2M) |  | / | AS-FC-0007 | 100 | 0.015 | 1.5 | 2 | | | Suitable for single color strip |
| Gray wire | 3P JST wire (0.2M) | | | AS-FC-0008 | 100 | 0.015 | 1.5 | 2 | | | Suitable for SWW strip |
| Gray wire | 2PIN gray wire (0.5M) |  | / | AS-WS-0009 | 200 | 0.0077 | 1.54 | 1.84 | | | Suitable for single color strip |
| Gray wire | 2PIN gray wire (2M) | | | AS-WS-0010 | 100 | 0.031 | 3.1 | 3.4 | Suitable for single color strip | | |
| Glue | 588G acidic glue |  | / | AS-PG-0002 | 150 | 0.014 | 2.1 | 2.4 | 10ml/pcs | | |
| Connector | 2PIN IP68 waterproof connector |  | / | AS-FC-0001 | 512 | 0.016 | 8.192 | 9.5 | 365*365*190 | | Suitable for single color strip |
| Connector | 3PIN IP68 waterproof connector | | | AS-FC-0002 | 512 | 0.018 | 9.216 | 10.2 | | Suitable for SWW strip | |

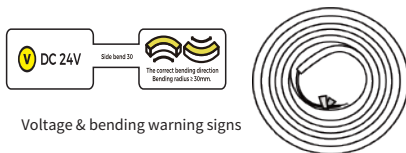
[Solution Of Control System]

| Product Image | Product Name | Product number | Order code | Product specifications | Applicable Products |
|---|------------------------------|----------------|---------------------|---|--|
|  | Monochrome remote | CK1-GBA | 402-02-000000-00001 | output signal:RF(2.4GHz) Working voltage:3VDC(CR2032) Remote control distance:30m Working temperature:Ta:0-30 °C-0+55 °C | Monochrome light strip (Use with CR1-GBA) |
|  | Monochrome light controller | CR1-GBA | 402-01-000000-00001 | Input voltage:12-48VDC Output current:15A@12/24V-10A@36/48V Output Power:180W@12V-360W@24V 360W@36V-480W@48V Working temperature:Ta:0-30 °C-0+55 °C | Monochrome light strip (Use with CK1-GBA) |
|  | CCT remote control | CK2-GBA | 402-02-000000-00002 | output signal:RF(2.4GHz) Working voltage:3VDC(CR2032) Remote control distance:30m Working temperature:Ta:0-30 °C-0+55 °C | CCT light strip (Use with CR2-GBA) |
|  | Color temperature controller | CR2-GBA | 402-01-000000-00002 | Input voltage:12-36VDC Output current:2CH,8A/CH Output Power:2x(96-288)W Working temperature:Ta:0-30 °C-0+55 °C | CCT light strip (Use with CK2-GBA) |

[Packaging Solutions]

• Standard Packaging

1. Line marking, the line marking is affixed at a distance of 80mm from the end of the line;



4. Label the carton and pack it into the carton



2. Put the product information label on the back back of the static bag inside the marking line;

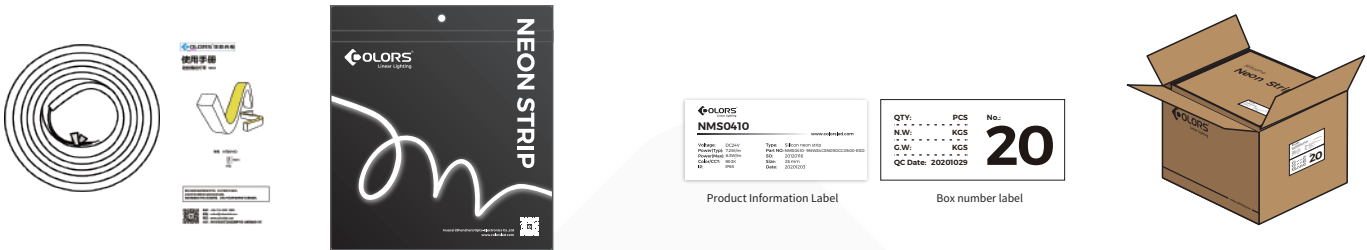


5. Pack 4 boxes of products in the carton



3. Put the light strip into an electrostatic bag, one roll per bag, and seal the bag;

6. Put the product information label and the box number label on the side of the carton, and the QC inspection stamp



| Model | Size | Product Quantity (box) | Product Quantity (case) | Net weight (kg) | Net weight per box (kg) | Gross weight (kg) | Carton size(m) |
|---------------------------|--------------|------------------------|-------------------------|-----------------|-------------------------|-------------------|----------------|
| NMS0410-XXXXXCSN050CC0500 | L5000*4*10mm | 5M*1 | 150M | 0.289 | 8.67 | 10.15 | 0.5*0.29*0.29 |

[Reliability test]

| Test Item | Classification | Reference | Test method or condition |
|---------------------------------|--------------------------------------|--------------------------------|---|
| Safety test | Mechanical strength | IEC 60598-1; IEC 60598-2-21 | The hammer spring Impact energy 0.35J |
| | IP | IEC 60598-1; IEC 60598-2-21 | IP65 |
| | Winding Test | IEC 60598-1; IEC 60598-2-21 | φ150mm cylinder, 60N pull, winding 10 times at (-25°C ±2°C), and 10 times after(-15°C ±2°C, 16h). |
| | Cold Bend Test | IEC 60598-1; IEC 60598-2-21 | wound on mandrel, low-temperature (-15°C ±2°C, 16h), around the mandrel for two turns |
| | Cold Impact test | IEC 60598-1; IEC 60598-2-21 | Low-temperature (-15°C ±5°C, 16h), hammer falls from a height of 100mm. |
| | Insulation Resistance | IEC 60598-1; IEC 60598-2-21 | ≤ 2MΩ |
| | Electrical strength | IEC 60598-1; IEC 60598-2-21 | 500V |
| Mechanical reliability testing | Bending test | Colors | Each 200mm, bending up and down 100 times |
| | Bending test | Colors | Each 200mm, bending left and right 100 times |
| | Torsion test | Colors | Twist clockwise 5 times and then release, repeat 200 times |
| | Disassembly and assembly test | Colors | Repeat disassembly and assembly, 10 times |
| Environment Reliability testing | High temperature storing test | IEC 60068-2-2 | 80°C, 168h |
| | Low temperature storing test | IEC 60068-2-1 | -40°C, 168h |
| | High temperature and Humidity impact | IEC 60068-2-78 | 60°C, 85%RH |
| | Salt Spray test | IEC 60068-2-11 | 5% salt solution concentration, 24h |
| | IK | IEC 62262 | 5 times of impact on each exposed surface |
| | Lifetime aging test | Colors | 35°C, 6000h |
| | switch test | Colors | 10s On, 10s Off, 10000 times |

【Precautions】

- Use a 24V DC isolated power supply to drive the neon lamp strip and the ripple wave of constant voltage source shall be less than 5%. It is not allowed to use RC voltage reduction or non-isolated power supply to drive the neon lamp strip.
- In actual applications, 20% of the power supply shall be kept (only 80% of the power is used) to guarantee that sufficient voltage is available to drive the product.
- Attention shall be paid to safe operation. After powering on, it is not allowed to touch the AC power supply to avoid an electric shock.
- Attention shall be paid to the positive and negative poles of the wires during installation and whether the power supply conforms to required voltages to avoid damages.
- Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.
- Please do not bend the strip into an arc with a diameter less than 30mm to ensure the longevity and reliability, the bending diameter too small will damage the product itself.
- If the actual length of application exceeds the specified using length, it will lead to overload heating and uneven brightness.
- To keep the eyes from being harmed, try to avoid staring at the glowing side of the LED strip for a long time.
- Non-professionals are prohibited from installing, disassembling and repairing the product.
- Do not use any acid or alkaline adhesive to fix products (including not limited to glass cement, etc.)
- Products with different IP grade should be used in different environments, the product with IP65 is not suitable for use in water-immersed environment .
- The final color of products with different sizes and specifications is slightly deviated due to structural differences under the same color temperature, which should be confirmed before use.
- Please use professional cutting tools when cutting.



No stretching



No distortion



No trampling