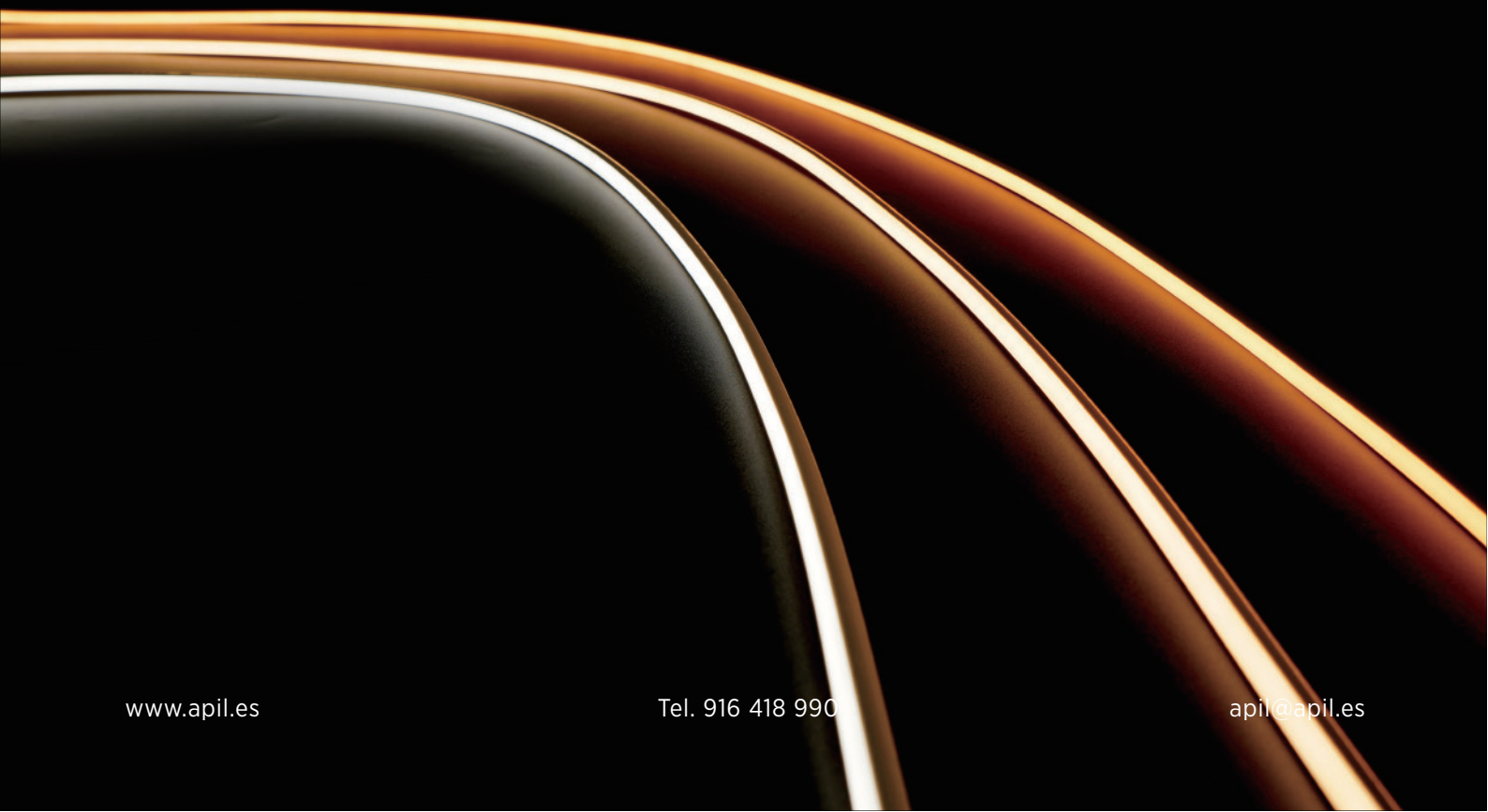
apil
Comunicación visual

# Neón Flex Difusor
# Lineal 0606

Indoor IP65 IK06 CE RoHS CB
UK CA UL E498657 Reach UV RESISTANT FLAME RESISTANT SALTWATER RESISTANT SOLVENT RESISTANT



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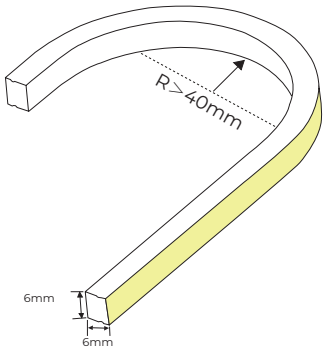
## Features:

- Light source: High luminous efficiency, LM80 proved.
- Process & Material: High light transmittance, environmental silicone material, 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, CB, UKCA.
- ·Environmental Features: Resistance to saline solutions, acids & alkali, corrosive gases and UV.
- Working/Storage Temperature: Ta:-25~55°C / 0°C~60°C.
- Application:Furniture supporting lighting,Outdoor/indoor lighting,Indoor general lighting.
- White with 3 years warranty or working life =36000H,whichever comes first.


2300 K | 2700 K | 3000 K | 4400 K




## Basic Parameters:

| Referencia | Color | Voltios | Watios x metro | Medidas mm. An. x Al. | LEDs x metro | Lúmenes x metro | Metros x rollo | Máximo de carga/m | Distancia de corte/mm | Material |
|---|---|---|---|---|---|---|---|---|---|---|
| NFL0606C | **BLANCO 2700** | DC 24 V | 7,2 W | 6 x 6 | 280 | 450 | 5 | 5 | 25 mm | Silicona |
| NFL0606W | **BLANCO 4000** | DC 24 V | 7,2 W | 6 x 6 | 280 | 450 | 5 | 5 | 25 mm | Silicona |

Note:

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



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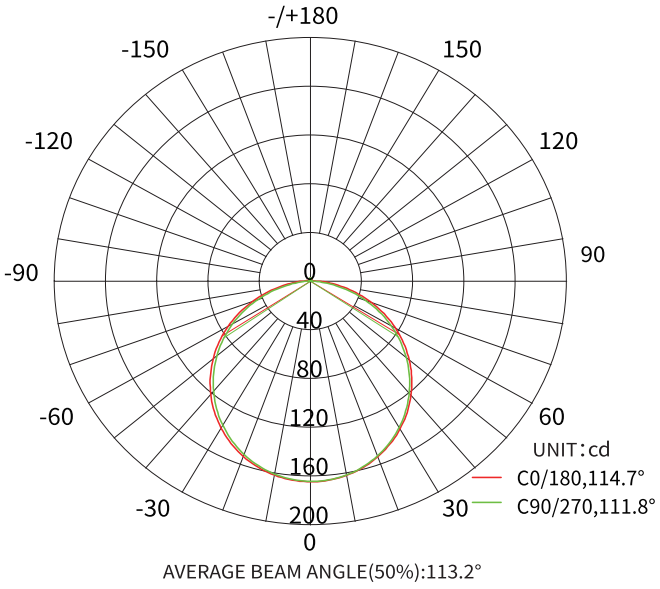
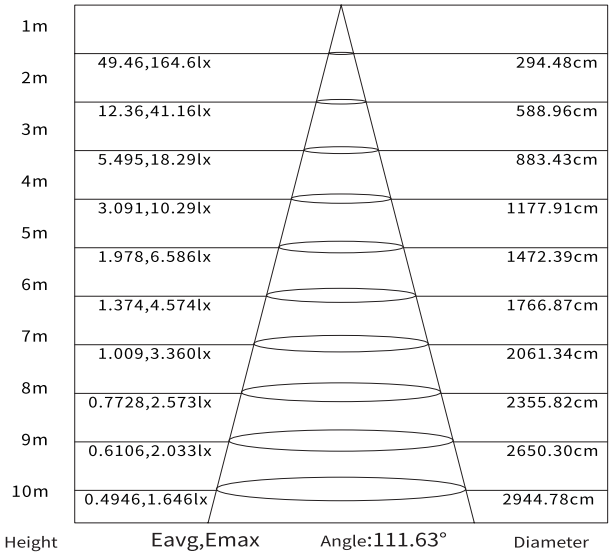
## Light Distribution:




AVERAGE BEAM ANGLE(50%):113.2°

Light distribution

Flux out:341.5 lm



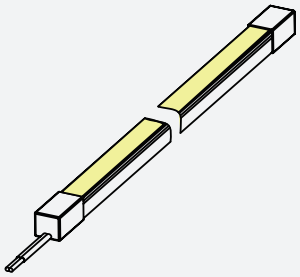

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

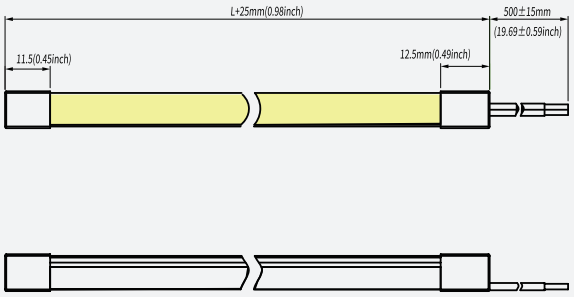
Effective average illuminance

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**







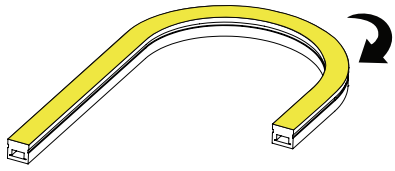
2PIN

## Reliability test:

| Test Item | Classification | Reference | Test method or condition |
|---|---|---|---|
| Safety test | Mechanical strength | IEC 60598-1;<br>IEC 60598-2-21 | The hammer spring Impact energy 0.35J |
| | IP | IEC 60598-1;<br>IEC 60598-2-21 | IP65 |
| | Winding Test | IEC 60598-1;<br>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;<br>IEC 60598-2-21 | wound on mandrel,<br>low-temperature (-15°C±2°C, 16h), around the mandrel for two turns |
| | Cold Impact test | IEC 60598-1;<br>IEC 60598-2-21 | Low-temperature (-15°C±5°C, 16h),<br>hammer falls from a height of 100mm. |
| | Insulation Resistance | IEC 60598-1;<br>IEC 60598-2-21 | ≦ 2MΩ |
| | Electrical strength | IEC 60598-1;<br>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.
- 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.)
- 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.
- Due to the characteristics of the silicone material, it is normal for the color of the colloid to change slightly after the neon product is used for a long time.
- It is strictly forbidden to use 502/705 and other adhesives that are prone to chemical reactions with silica gel during construction and installation. It is recommended to use silicone sealant for bonding.
- Long-term storage and the remaining products after cutting and use must be sealed to avoid exposure to
- organic environments such as aldehydes/benzenes.
- When the product is installed and used, it is recommended that the product as a whole be in the same environmental conditions to avoid inconsistent color changes of the product colloid due to differences in product exposure and environmental conditions.



Top bending error bending

No stretching

No trampling



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