LED NEON FLEX SPECIFICATION

Black 360°Silicone NEON ND25B 24V

Note: LEDYI may change product specifications and installation guidance without prior notice.
Black 360° Silicone NEON ND25B 24V

- Regular power 5W/m 10W/m and 16W/m for option
- 360° uniform round-glowing design
- Eight CCT optional from 2400K to 5000K
- Max length 5 meters with one end power

**DIMENSIONS & WATERPROOF**

**Product diameter**: 25mm

**Min bending diameter**: >200mm

**Front entry Integral End cap (IP65)**

**Side entry Intergral End Cap (IP65)**
Silicone End Cap (IP65)

Metal End Cap (IP65)

The metal guard coil is unavailable if fitted the metal end cap.
## PRODUCT SPECIFICATION

<table>
<thead>
<tr>
<th>Voltage</th>
<th>DC24 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRI/Ra</td>
<td>&gt;90</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>-25°C~45°C</td>
</tr>
<tr>
<td>Color Type</td>
<td>Unit length (m)</td>
</tr>
<tr>
<td>Single color</td>
<td>50mm</td>
</tr>
<tr>
<td>Tunable white</td>
<td>50mm</td>
</tr>
<tr>
<td>RGB color</td>
<td>50mm</td>
</tr>
<tr>
<td>RGBW color</td>
<td>50mm</td>
</tr>
</tbody>
</table>

Note: Only support factory-customized length, not on-site cutting!

## Light distribution curve

### WHITE COLOR PARAMETERS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>CCT (K)</th>
<th>Low power (5w/m) (lm/m) (max length)</th>
<th>High power (10w/m) (lm/m) (max length)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS-ND25B-W24</td>
<td>2300~2500K</td>
<td>37 5m</td>
<td>75 5m</td>
</tr>
<tr>
<td>NS-ND25B-W27</td>
<td>2600~2800K</td>
<td>38 5m</td>
<td>78 5m</td>
</tr>
<tr>
<td>NS-ND25B-W30</td>
<td>2900~3100K</td>
<td>40 5m</td>
<td>83 5m</td>
</tr>
<tr>
<td>NS-ND25B-W35</td>
<td>3300~3700K</td>
<td>39 5m</td>
<td>82 5m</td>
</tr>
<tr>
<td>NS-ND25B-W40</td>
<td>3700~4300K</td>
<td>39 5m</td>
<td>80 5m</td>
</tr>
<tr>
<td>NS-ND25B-W50</td>
<td>4700~5300K</td>
<td>37 5m</td>
<td>75 5m</td>
</tr>
</tbody>
</table>

## TUNABLE COLOR PARAMETERS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>CCT (K)</th>
<th>Low power (5w/m) (lm/m) (max length)</th>
<th>High power (10w/m) (lm/m) (max length)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS-ND25B-TW</td>
<td>2300 (WW)</td>
<td>16 5m</td>
<td>33 5m</td>
</tr>
<tr>
<td>NS-ND25B-TW</td>
<td>4000 (W)</td>
<td>15 5m</td>
<td>31 5m</td>
</tr>
<tr>
<td>NS-ND25B-TW</td>
<td>3000 (WW+W)</td>
<td>31 5m</td>
<td>64 5m</td>
</tr>
</tbody>
</table>

## RGB COLOR PARAMETERS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Color (nm)</th>
<th>Low power (5w/m) (lm/m) (max length)</th>
<th>Medium power (10w/m) (lm/m) (max length)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS-ND25B-R</td>
<td>Red (620~630nm)</td>
<td>19 5m</td>
<td>40 5m</td>
</tr>
<tr>
<td>NS-ND25B-G</td>
<td>Green (520~530nm)</td>
<td>38 5m</td>
<td>73 5m</td>
</tr>
<tr>
<td>NS-ND25B-B</td>
<td>Blue (465~475nm)</td>
<td>4.6 5m</td>
<td>12 5m</td>
</tr>
<tr>
<td>NS-ND25B-Y</td>
<td>Yellow (585~595nm)</td>
<td>14 5m</td>
<td>29 5m</td>
</tr>
<tr>
<td>NS-ND25B-P</td>
<td>Pink</td>
<td>30 5m</td>
<td>62 5m</td>
</tr>
<tr>
<td>NS-ND25B-RGB</td>
<td>RGB</td>
<td>14.4 5m</td>
<td>21 5m</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(16w/m)</td>
<td></td>
</tr>
<tr>
<td>NS-ND25B-RGBW</td>
<td>RGBW</td>
<td>54.4 5m</td>
<td>90</td>
</tr>
</tbody>
</table>

White color CCT: 2200±100/2700±100/3000±100/4000±200/4500±200
Product accessories

**PC Profile**
- Material: PC
- Color: Transparent
- Size: 25x30x1000mm
- Noted: With screws, plastic plugs, hanging rope

**PC Profile**
- Material: PC
- Color: Transparent
- Size: 25x30x1000mm
- Noted: With screws, plastic plugs, hanging rope

**Lift Fixtures B (For single color product use ONLY)**
- Material: Aluminum Alloy
- Color: Black
- Size: Ø 35x92mm
- Noted: With screws, plastic plugs

**Connector for Side outlet**
- Material: Aluminum Alloy
- Color: Black
- Size: Ø 27.6x37mm
- Noted: With screws

**Lift Fixtures A**
- Material: Aluminum Alloy
- Color: Black
- Size: Ø 38x41mm
- Noted: With screws, plastic plugs

**Connector**
- Material: Aluminum Alloy
- Color: Black
- Size: Ø 27.6x37mm
- Noted: With screws

**U-shaped Lift Fixtures**
- Material: Aluminum Alloy
- Color: Black
- Size: Ø 38x41mm
- Noted: With screws, plastic plugs

**Hanging Rope**
- Material: Stainless Steel
- Color: Stainless steel natural color
- Size: Ø 1.5x1000mm
- Noted: With screws, plastic plugs

**PC Profile**
- Material: PC
- Color: Transparent
- Size: 25x30x1000mm
- Noted: With screws, plastic plugs, hanging rope

**PC Profile**
- Material: PC
- Color: Transparent
- Size: 25x30x1000mm
- Noted: With screws, plastic plugs, hanging rope
Schematic diagram of installation

- **U-lift**
- **Vertical hoisting A**
- **Vertical hoisting B**
- **Cross hoisting**
- **Surface mounting**
- **Wave lifting**
Installation/Use Precautions

◆ The unopened products and the unused products after unpacking, should be sealed in packaging bags to avoid long-term exposure.

◆ Please use DC24V isolated constant voltage switching power supply with ripple voltage less than 5%. Other types of power supply may damage the product or cause other safety risks.

◆ In practical application, the power supply should be retained with a 20% allowance (it is recommended to use only 80% power of the power supply) to ensure the stability of the power supply.

◆ Professional operators are recommended to wire and connect the power supply. It is strictly prohibited to connect the power supply with electricity in case of electric shock.

◆ Please confirm whether the voltage of the power supply is consistent with the voltage of the product before wiring.

◆ Please note the positive and negative sides of the power cord and connect them properly.

◆ When using multiple power supply, the situation of parallel connection of the positive pole of the power supply should be avoided. It will lead to instability of the power supply system and damage to the product after long-term operation.

◆ If the actual length of the application exceeds the specified length, it will lead to the phenomenon of heating and uneven brightness of the strip due to overload.

◆ During installation, please avoid twisting or irregular bending of the strip, and avoid any operation that will scratch the strip otherwise it may cause irreparable damage to the product.

◆ In order to ensure the life and reliability of the strip, please ensure that the diameter of the bending should be greater than 200mm.

◆ For the sake of eye protection, please avoid looking directly at the illuminated surface for a long time.

◆ Non-professionals are strictly prohibited from installing, disassembling or repairing the strip.

◆ Do not use any acid or alkaline adhesive to fix the strip (including but not limited to glass glue, etc.)

◆ Different levels of waterproof, different use environment. IP65 is not suitable for immersion application.

◆ Due to structural differences, the final visual color of the strip will be slightly different for products of different sizes and specifications under the same color temperature value.

◆ Due to the difference in structure, the same color temperature value different size/specification of the strip, their final visual color will be slightly different. Please make confirmation before use.

◆ It is forbidden to cut this product to avoid damage to the strip due to improper operation.

◆ Customers are not allowed to cut this product by themselves.

◆ When the length of the strip is longer than 2 meters, have two people work together to install it.

Bending diameter must be greater than 200mm
Tests show that formaldehyde and benzene substances will make silicone products yellowing. If the silicone products are used in the indoor environment of new decoration, epoxy floor paint, wall paint, wallpaper adhesive, all kinds of decoration materials, or new furniture, are likely to release formaldehyde and benzene substances. In order to avoid silicone material affected, it is suggested that the use of the environment after the completion of the new decoration, formaldehyde and benzene should be removed first, or it should be ventilated for a period of time before installing the strip.