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

LEDYi

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

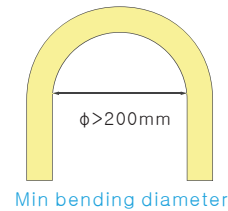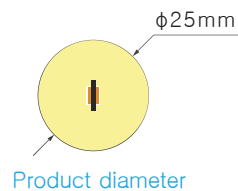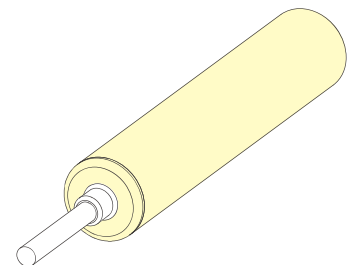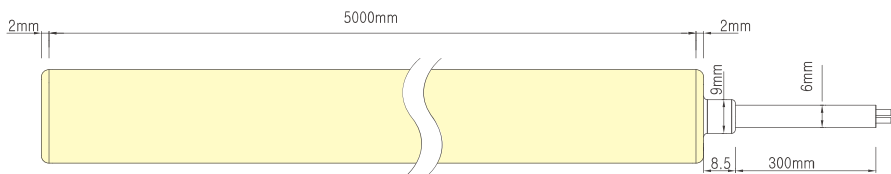| 2400K 2700K 3000K 3500K 4000K 5000K | 2300K ~ 4000K | RGB | RGBW |

| R | P | G | B | Y |

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Uncuttable | 50000 hours Lifetime | LM80 Compliant | WARRANTY 3 YEARS

DIMENSIONS & WATERPROOF

φ25mm

Product diameter

φ>200mm

Min bending diameter

Front entry Integral End cap (IP65)

2mm · 5000mm · 2mm

9mm · 6mm

8.5 · 300mm

Cable entry: Front

Side entry Intergral End Cap (IP65)

2mm · 5000mm · 25mm · 2mm

6mm · 300mm
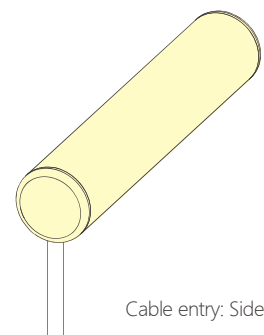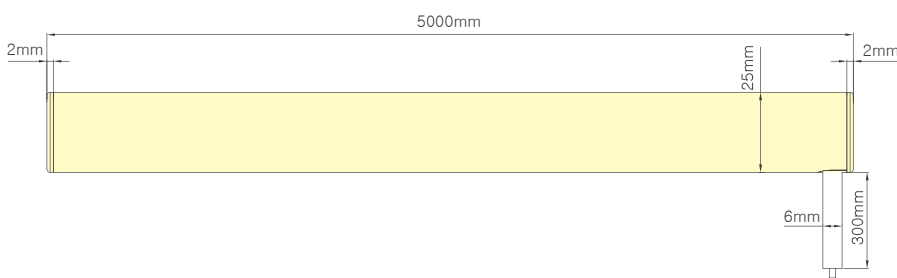
Cable entry: Side

Silicone End Cap(IP65)

5000mm

9mm

300mm

14.5mm

8mm

The Head

The End

Cable Entry: Front

Metal End Cap (IP65)

2mm

5000mm

2mm

Ø12mm

6mm

300mm

18mm

18mm

11.3mm
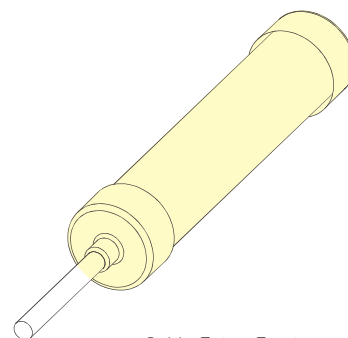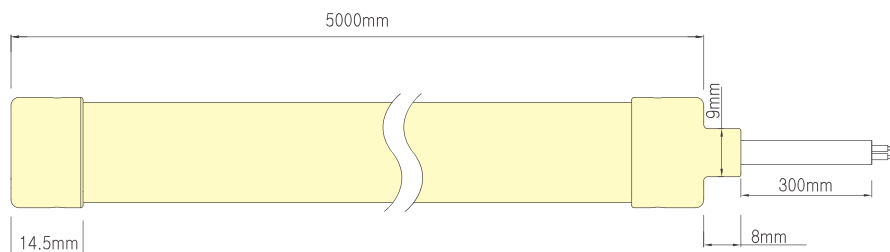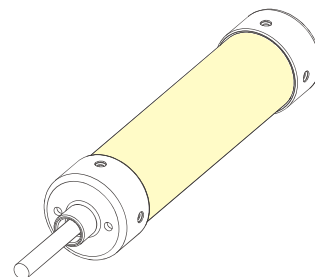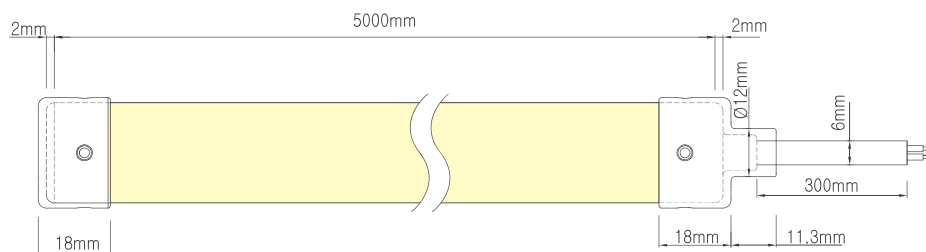
The Head

The End

The metal guard coil is unavailable

if fitted the metal end cap

Cable Entry: Front

PRODUCT SPECIFICATION

Voltage	DC24 V
CRI/Ra	>90
Ambient temperature	−25°C~45°C

Color Type	Unit length (m)
Single color	50mm
Tunable white	50mm
RGB color	50mm
RGBW color	50mm

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

Light distribution curve

Effective average illumination

Light distribution curve
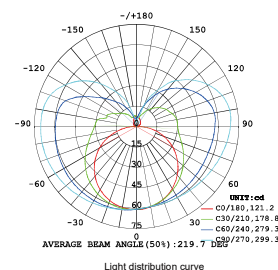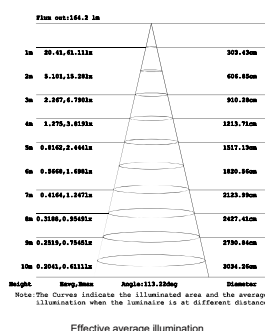
Note: The above data is based on the test results of the single white 3000K led strip.

WHITE COLOR PARAMETERS

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

TUNABLE COLOR PARAMETERS

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

RGB COLOR PARAMETERS

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

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 A
Material: Aluminum Alloy
Color: Black
Size: $\varnothing$38x41mm
Noted: With screws, plastic plugs

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

Connector for Side outlet
Material: Aluminum Alloy
Color: Black
Size: $\varnothing$ 27.6x37mm
Noted: With screws

Connector
Material: Aluminum Alloy
Color: Black
Size: $\varnothing$ 27.6x37mm
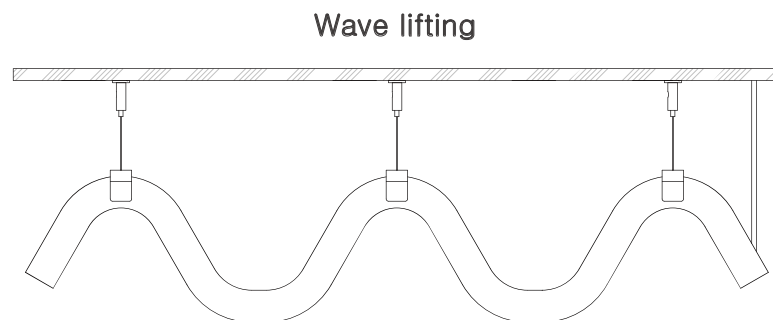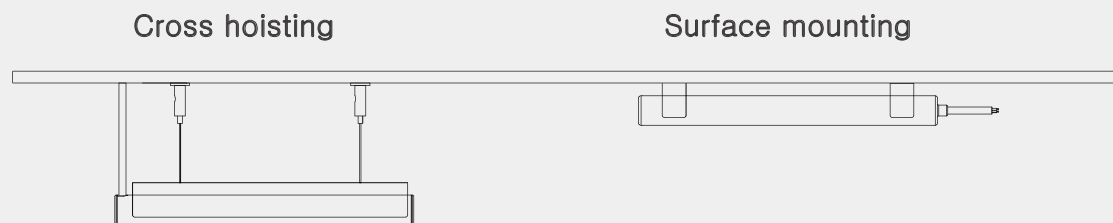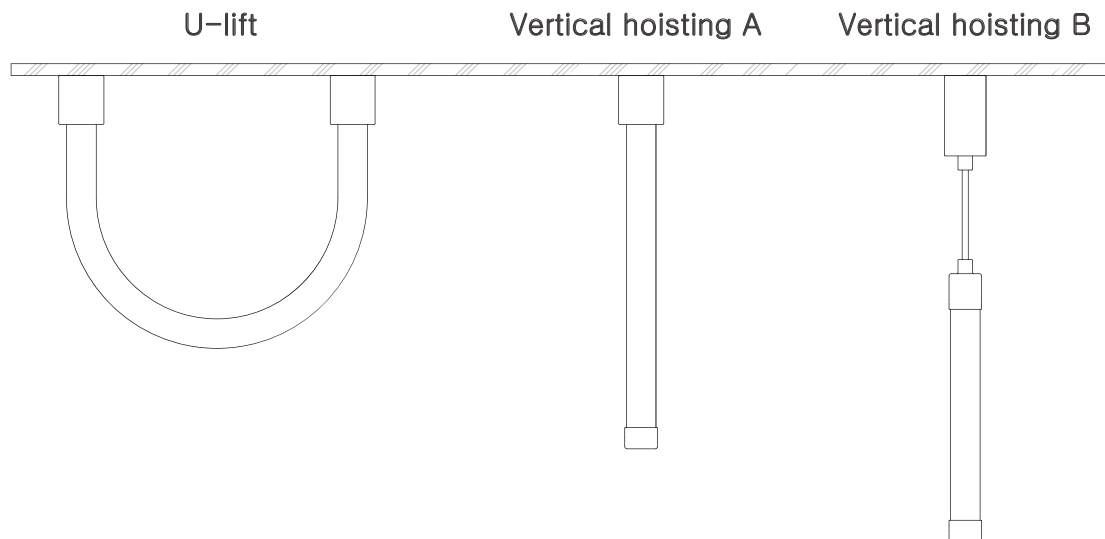Noted: With screws

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

Hanging Rope
Material: Stainless Steel
Color: Stainless steel natural color
Size: $\varnothing$ 1.5x1000mm
Noted: With screws, plastic plugs

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 illumi−nated 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 slight−ly 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 differ−ent 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.

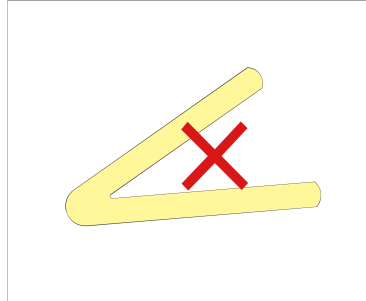◆ Customers are not allowed to cut this product by themselves.
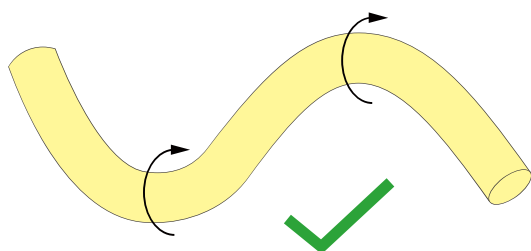
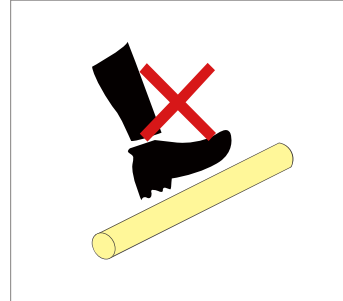Bending diameter must be greater than 200mm
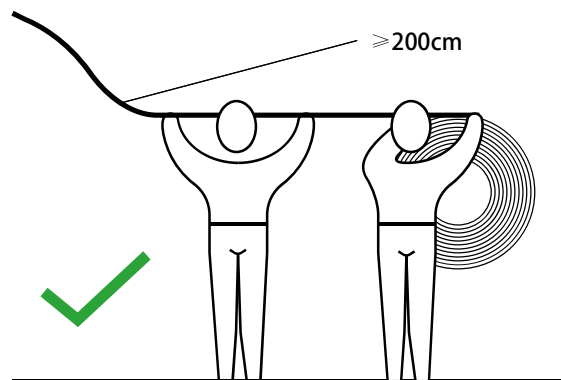
When the length of the strip is longer than 2 meters,

have two people work together to install it.

Installation/Use Precautions

Small Angle bending is prohibite

Prohibit trample

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.