U LIGHT

LED NEON FLEX SPECIFICATION

Uneon UNS−ND25−W40−10−CV 360º

Uneon UNS-ND25-W40-10-CV 360º   a003002

U LIGHT

Regular power 5W/m 10W/m and 16W/m for option

360° uniform round-glowing design

Eight CCT optional from 2100K to 6000K

Max length 5 meters with one end power

2100K 2400K 2700K 3000K 3500K 4000K 5000K 6000K | 2700K 5000K | RGB | RGBW
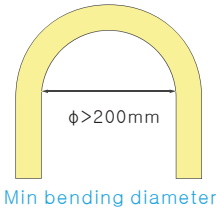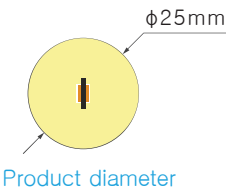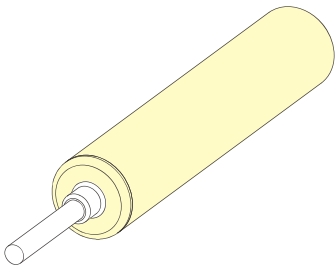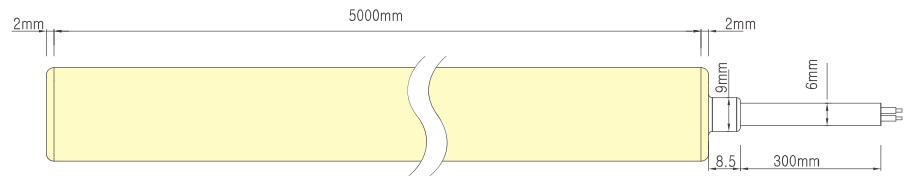
R | P | G | B | Y

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
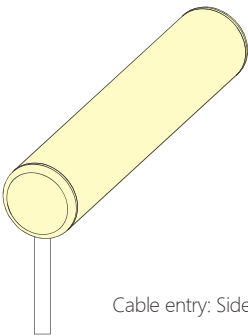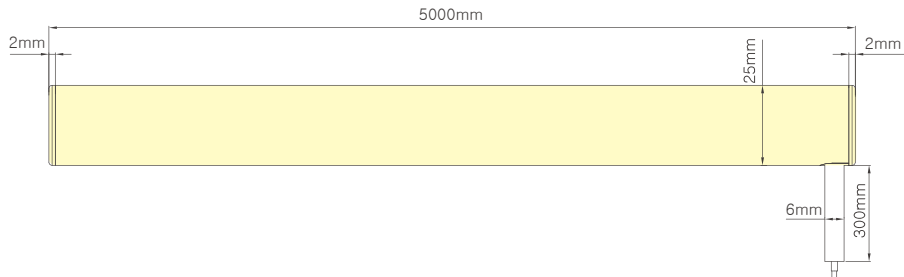
Cable entry: Side

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
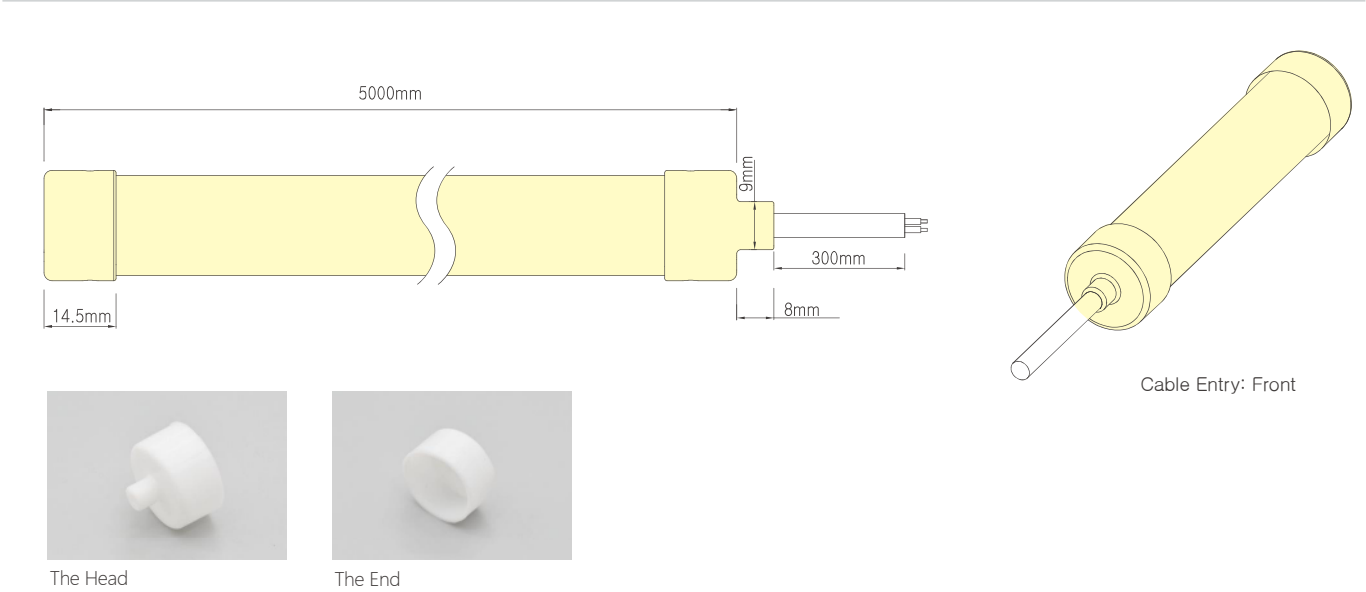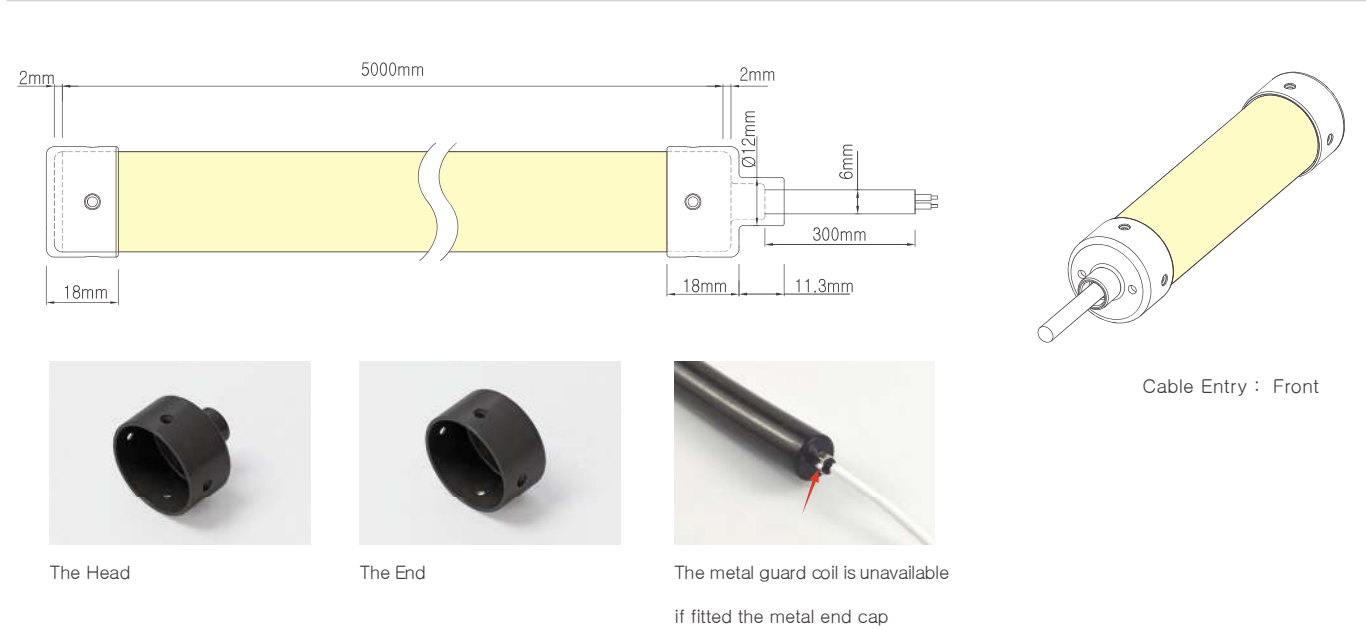
PRODUCT SPECIFICATION

Voltage	DC 24 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

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

Effective average illumination

AVERAGE BEAM ANGLE (50%) :219.7 DEG

Light distribution curve

Note: The above data is based on the test results of the single white 3000K led strip.
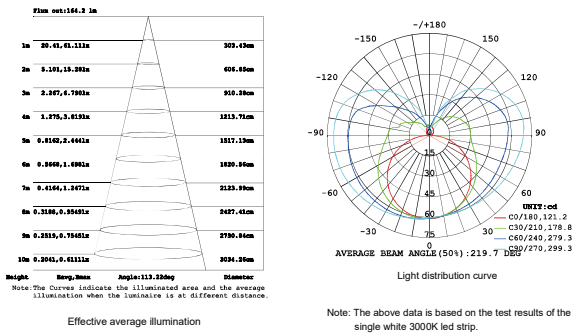
WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
Uneon UNS-ND25-W21	2000-2200K	256	5m	551	5m
Uneon UNS-ND25-W24	2300-2500K	272	5m	525	5m
Uneon UNS-ND25-W27	2600-2800K	276	5m	517	5m
Uneon UNS-ND25-W30	2900-3100K	284	5m	529	5m
Uneon UNS-ND25-W35	3300-3700K	306	5m	600	5m
Uneon UNS-ND25-W40	3700-4300K	298	5m	556	5m
Uneon UNS-ND25-W50	4700-5300K	309	5m	604	5m
Uneon UNS-ND25-W60	5700-6300K	302	5m	586	5m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
Uneon UNS-ND25-TW	2700 (WW)	124	5m	258	5m
Uneon UNS-ND25-TW	5000 (W)	127	5m	262	5m
Uneon UNS-ND25-TW	3500(WW+W)	250	5m	517	5m

RGB COLOR PARAMETERS

Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)
Uneon UNS-ND25-R	Red(620-625nm)	114	5m	246	5m
Uneon UNS-ND25-G	Green(515-525nm)	289	5m	502	5m
Uneon UNS-ND25-B	Blue(460-465nm)	61	5m	114	5m
Uneon UNS-ND25-Y	Yellow(585-595nm)	97	5m	209	5m
Uneon UNS-ND25-P	Pink	210	5m	409	5m
Uneon UNS-ND25-RGB	RGB	145	5m	308	5m

Part Number	Color	(16w/m)	(max length)	CRI (Ra)
Uneon UNS-ND25-RGBW	RGBW	518	5m	90

White color CCT: 2200±100K/2700±100K/3200±200K/4500±300K/5500±300K/6500±500K

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: Ø38x41mm
Noted: With screws, plastic plugs

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

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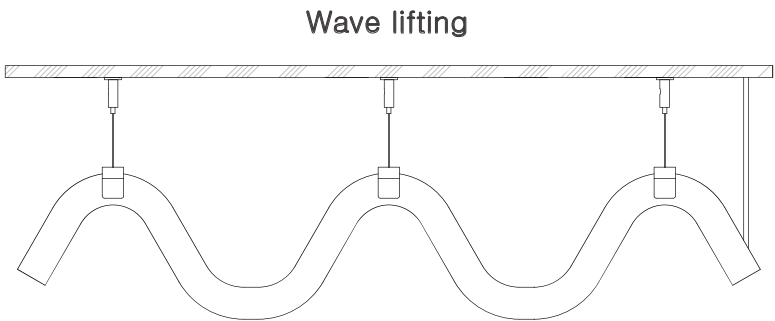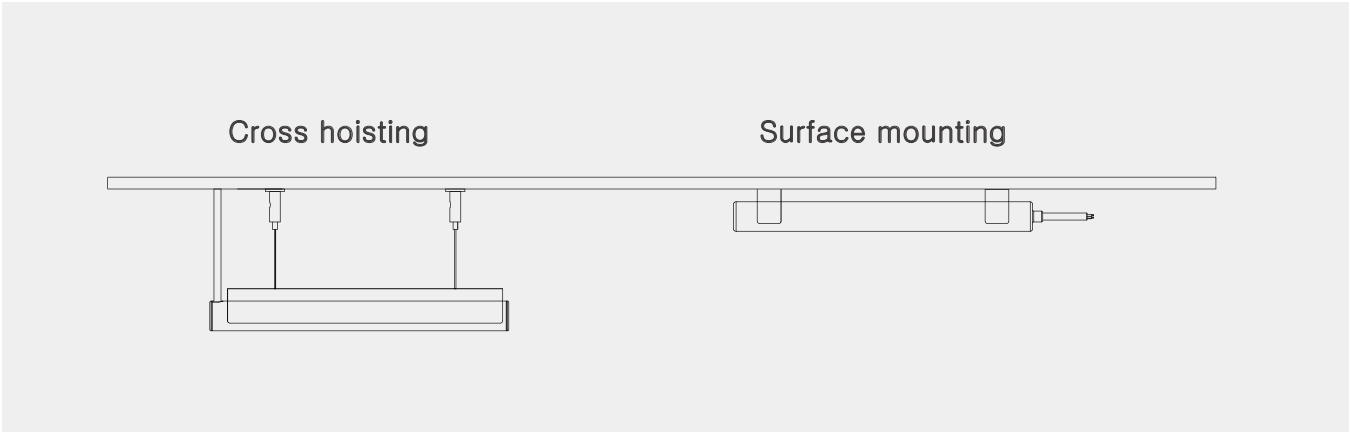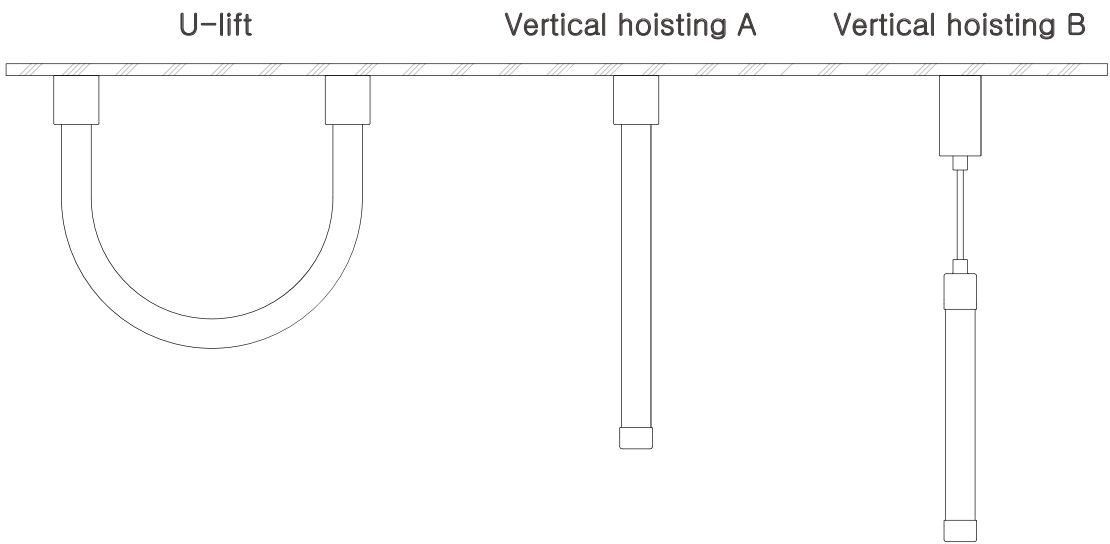Size: Ø 27.6x37mm
Noted: With screws

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

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.

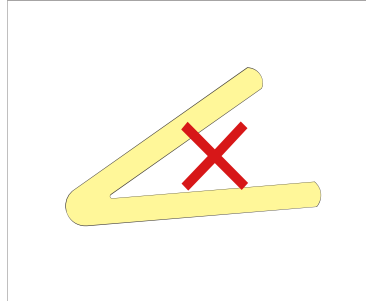◆ Customers are not allowed to cut this product by themselves.
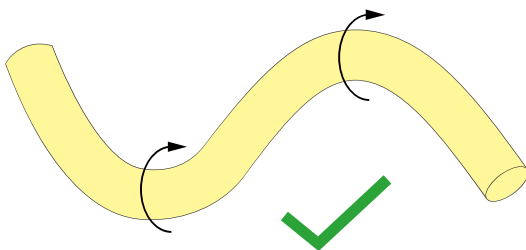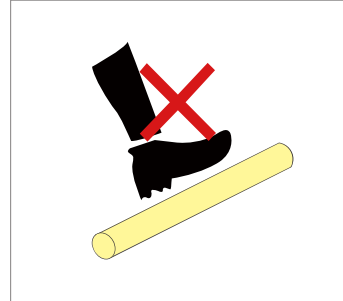
Bending diameter must be greater than 200mm
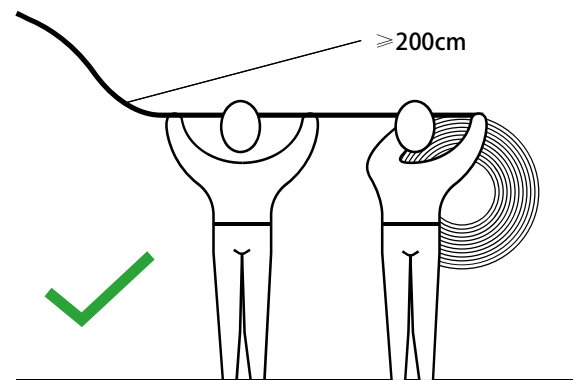
When the length of the strip is longer than 2 meters, have two people work together to install it.

U LIGHT

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.