**DAYUP** Lighting and Solution

## SILICONE ARCHITECTURE SOLUTION

LM-80 TESTED | c UL us LISTED E354137 | CE | RoHS | 5 Years

UV protected | Resistant to solvents | Saltwater resistant | Temporary immersion protection | One BIN only for a CCT range
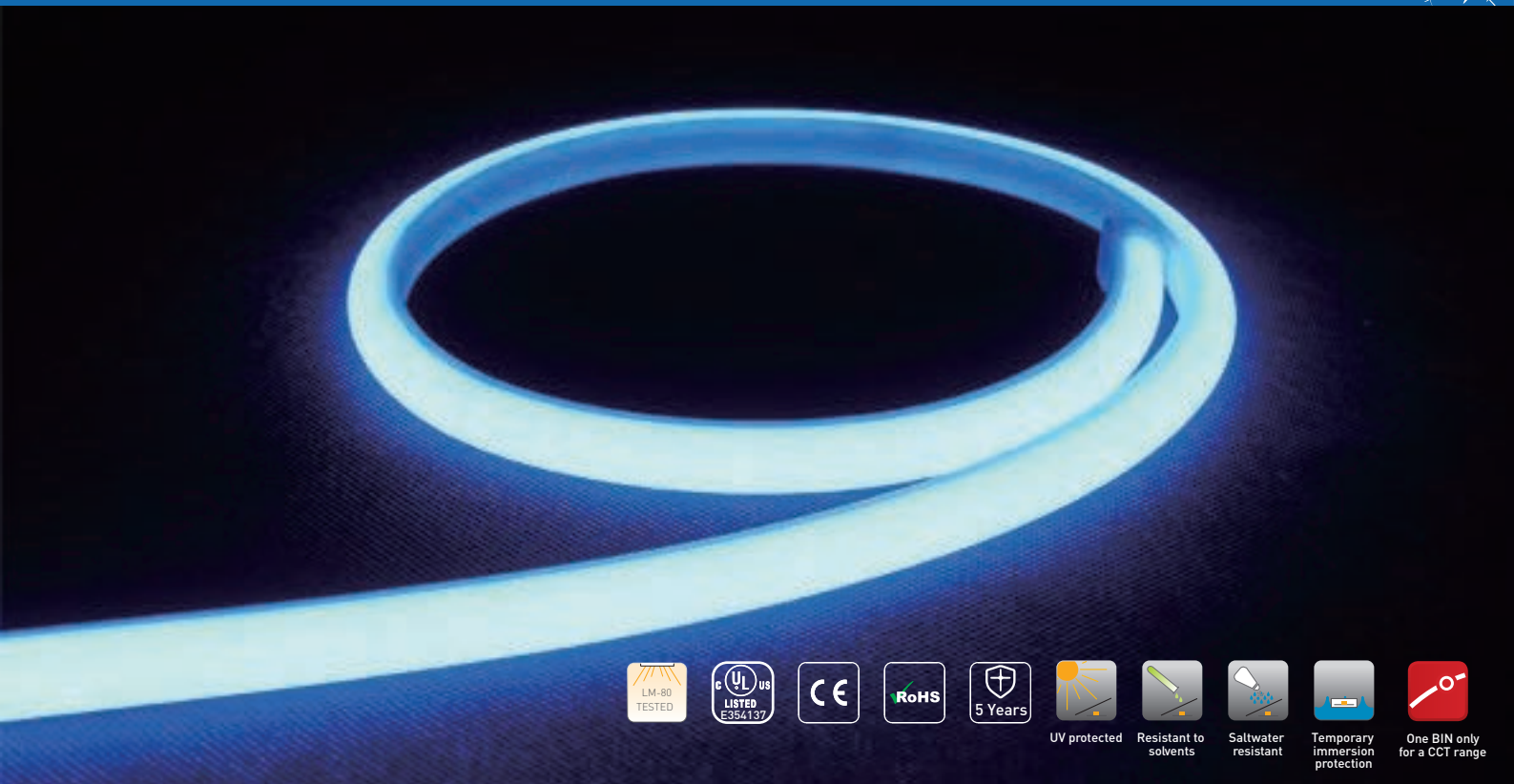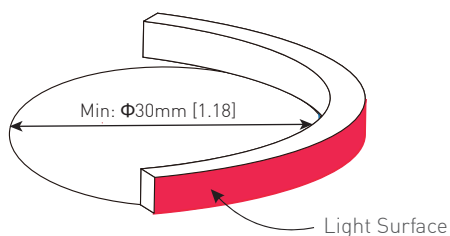
## Features

▼ Silicone extrusion in high UV-resistant
▼ V-2 flame retardance
▼ Max run length in 30m by two ends powered
▼ 24V DC with current regulator
▼ IP68 tested
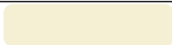▼ Minimum bending diameter in 30mm [1.18in]

## Application

▼ Architecture ligting
▼ Outdoor/indoor decoration lighting

## Bending

Min: Φ30mm [1.18]

Light Surface

More info, please contace:
Tel: +86 0755 2308 9165
Email: sales@dayup-lighting.com
www.dayup-lighting.com

## Specifications

| LED Type | DP-NL-2 |
|---|---|
| LED Q'ty/m | 126pcs |
| Input Voltage | 24VDC with current regulator |
| Power Consumption/m | 8.64W/m |
| Cutting length | 56mm |
| Viewing Angle | 172° |
| Dimmable | Yes |

| Materials | Silicone |
|---|---|
| IP Rated | IP68 |
| Installation | Bracket, or Aluminum channel |
| Working Temperature | −40~+80℃ |
| Running Length | Single feed: 15m / 49.2 feet  <br> Double feed: 30m / 98.4feet |
| Certification | CE, RoHs |
| Warranty | 5 years |

| Order Code | CCT Wavelength/Color | | Lumen/M |
|---|---|---|---|
| DP-NL-2 | | Warm White 3000K | 408-726 |
| | | Daylight 4000K | 408-726 |
| | | Cool White 6500K | 408-726 |
| | | Red 618-630nm | 200-280 |
| | | Green 517.5-5275nm | 345-426 |
| | | Blue 465-470nm | 127-172 |
| | | Yellow 588-594nm | 163-200 |
| | | Orange 606-610nm | 172-272 |

## Color Available

| 3000K | 4200K | 6500K |
|---|---|---|

| Yellow | Orange | Red |
|---|---|---|

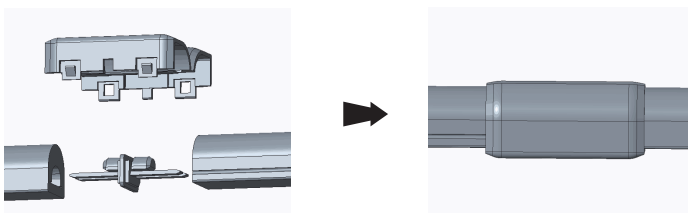| Green | Blue |
|---|---|

## Types of Connectors

### End Exit Cable

Connects light to power supply with pre-installed bottom cable, IP68
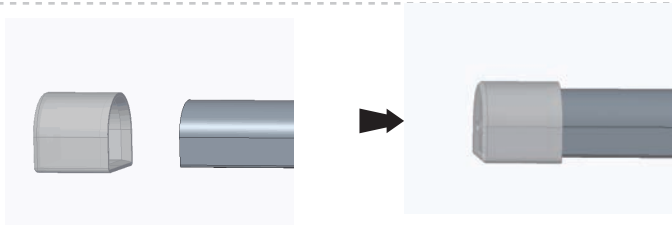Standard 60mm cable length(For longer lengths please contact us).
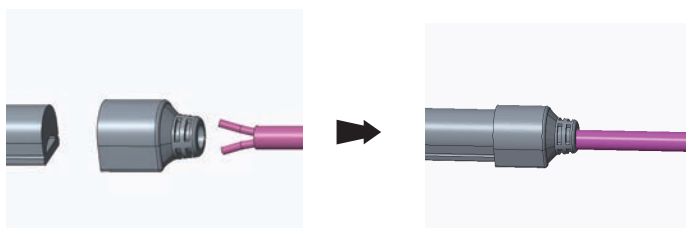
### Linear Re-connector

Connects two pieces of light together with the re-connection kits.
IP68Connectors

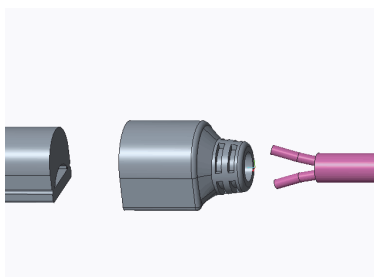### End Cap

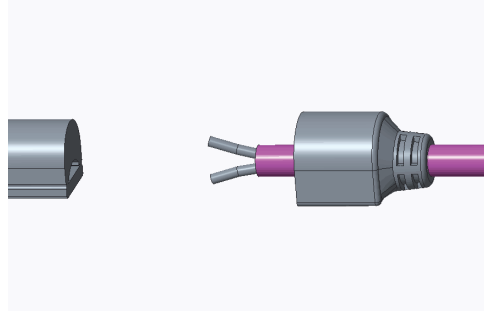Pre-installed termination protection of the light. IP68

## Operation Guide of Connectors //

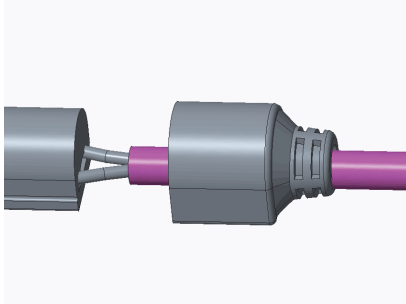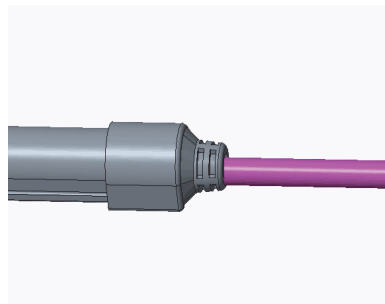### Power Connector Version (Step1--Step 4)

Step 1: Power connector structure

Step 2: Solder the power lead on the back of the PCB
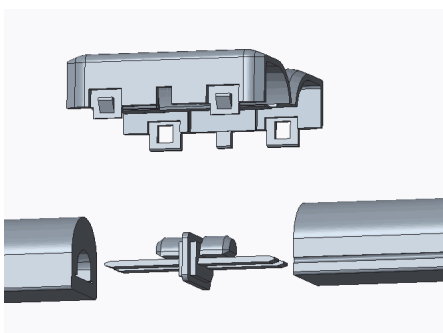
Step 3: Glue the joint of strip and connector housing

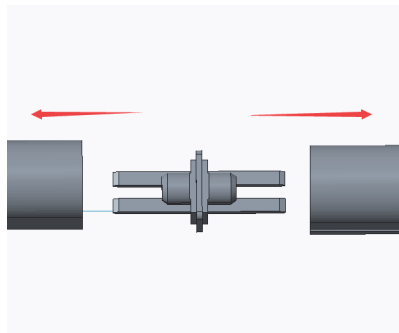Step 4: Final Power Connector pictture
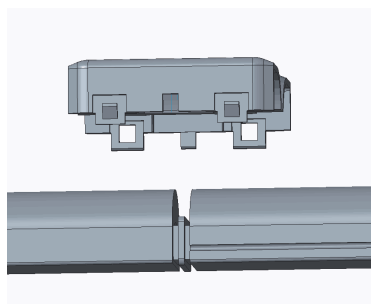
### Re-connector installing guide (Step1--step5)

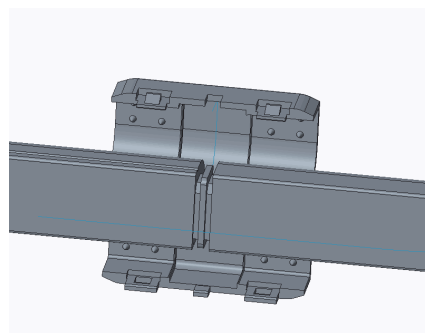Step 1: Re-connector structure

Step 2: Insert the pin into the strip (NOTE: Pin on the back of PCB)

Step 3: Glue at the joint of strip and the housing
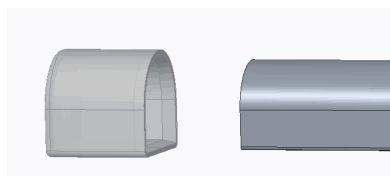
step 4: After glue close the housing
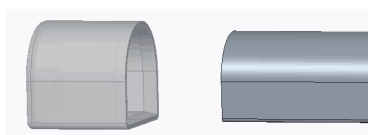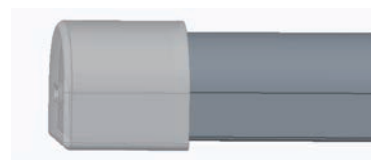
**Step 5: Final Re-connection picture**

## End Cap installing guide (Step 1--Step 3)

Step 1: End Cap Structure

Step 2: Glue at the end of strip, put the end cap

Step 3: Final End Cap picture

## Optional Accessories Chart

| Image | Part Code | Part Name | Quantity-15m | Quantity-30m |
|-------|-----------|-----------|--------------|--------------|
|  | DP-NL-2–JK | Joining Kit | 1 set | 2 sets |
|  | DP-NL-2-EC | End cap w/o hole | 4 pcs | 8 pcs |
|  | DP-NL-2-ECH | End cap w/o hole | 2 pcs | 4 pcs |
|  | DP-NL-2-ACL | Self-locking mounting kit 1m + 2pcs clips | / | / |
|  | DP-NL-2-LMC | Locking mounting clip | 32 pcs | 63 pcs |
|  | DP-NL-2-AL | Aluminum profile 1m | 32 pcs | 63 pcs |
|  | DP-NL-2-MC | Silicone mouting clip | / | / |
|  | DP-NL-2-G | Portable Silicone glue 45ml | 2 pcs | 4 pcs |

Remark: Data to change according to reality without prior notice.

## Tools Required



Ratcheting Cutter



Electric Screwdriver



Brush



Portable Silicone glue

## Mounting Channel

### Aluminum Mounting Channel
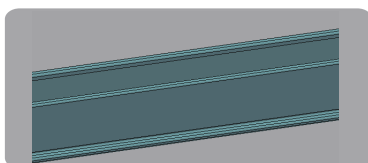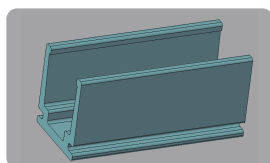


| Standard Length | Part Number |
|---|---|
| 35mm / | DP-NL-2-AS |
| 1000mm / 39.37 inch | DP-NL-2-AL |

### Self-locking Aluminum Mounting Channel
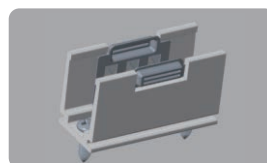


| Standard Length | Part Number |
|---|---|
| 35mm / | DP-NL-2-ACS |
| 1000mm / 39.37 inch | DP-NL-2-ACL |

### Clips Mounting
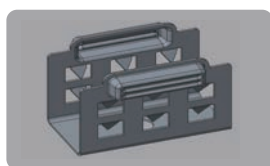


| Standard Length | Part Number |
|---|---|
| 20mm / | DP-NL-2-MC |

## Mounting
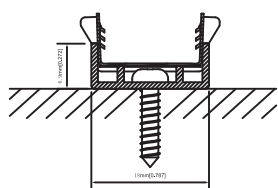


Fixed Channel without Light
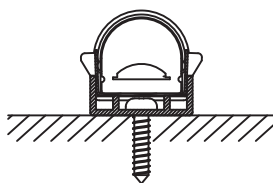


Fixed Channel with Profile Light
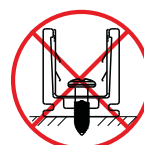
## Warning
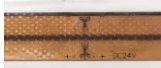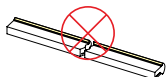
| | | | | |
|---|---|---|---|---|
| Cutting mark | Cutting profile should be flat | No left and right bending | No 90° bending | No bending repeatedly |

## Dimensions

504.2 [19.85]   188 [7.40]   15.8 [0.62]

70 [2.76]   330 [12.99]   20.2 [0.80]
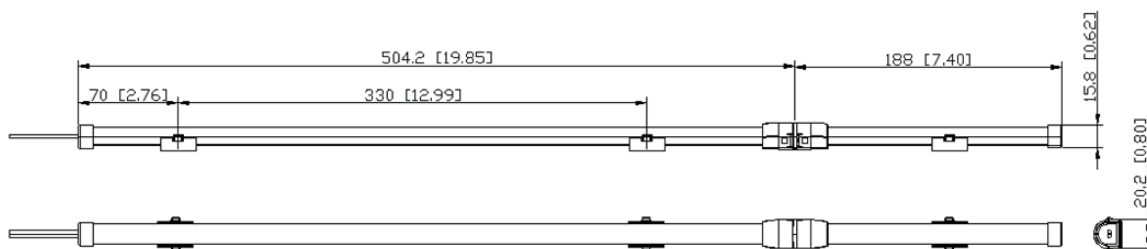
Unit:mm[in]

## Luminous Intensity Distribution Diagram



:cd
C0/180,111.6°
C30/210,127.4°
C60/240,152.0°
C90/270,152.4°

AVERAGE BEAM ANGLE (50%):135.8
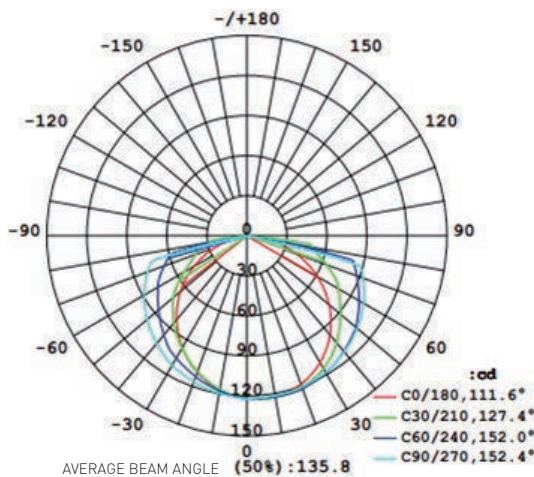
## Power Supply Configuration Table

| Product standard length (m) | Rated Current (A) | Rated Voltage (V) | Rated Wattage (W) | Power Supply (W) | Power Feed |
|---|---|---|---|---|---|
| 1 | 0.36 | 24 | 8.64 | 12 | Single end |
| 5 | 1.8 | 24 | 43.2 | 60 | Single end |
| 10 | 3.6 | 24 | 86.4 | 120 | Single end |
| 15 | 5.4 | 24 | 129.6 | 180 | Single end |
| 20 | 7.2 | 24 | 172.8 | 240 | Both ends |
| 25 | 9 | 24 | 216 | 300 | Both ends |
| 30 | 10.8 | 24 | 259.2 | 360 | Both ends |

## Installation Precautions

1. All installation and connection must be conducted by professional electrician.

2. 24VDC Class 2 Power Supply must be used with this light.Make sure to use appropriate PSU.

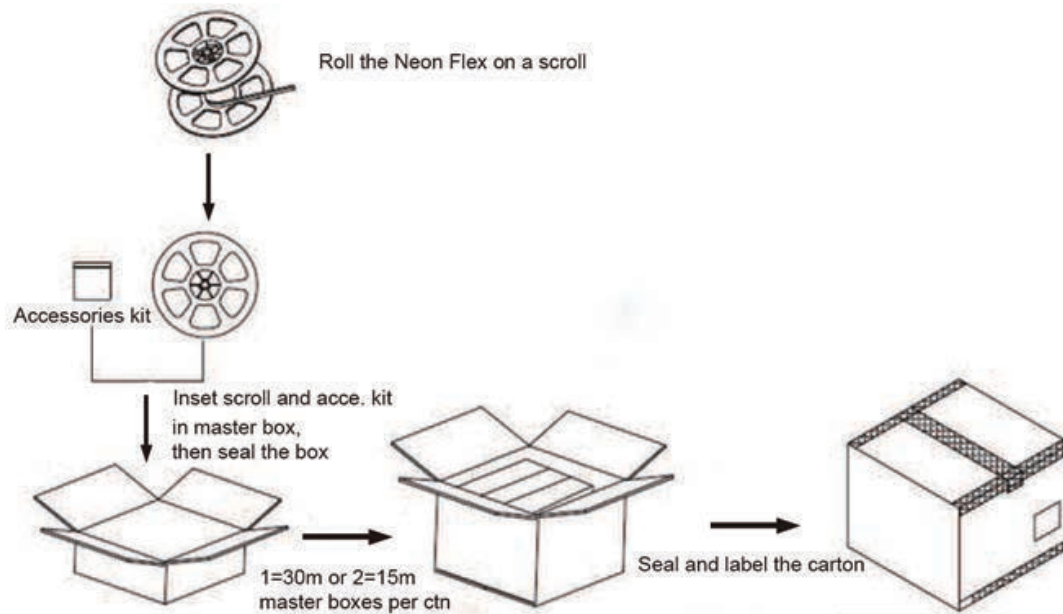3. Ensure the overall length of the S tyle Neonflex does not exceed the maximum run length as

   15m-one end powered;  30m-two ends powered

4. Disconnect power before installing or servicing to avoid electrical shock.

5. For wet location installations, seal all possible water entry points and covers using by silicone.

   Failure to do so may result in product defective.

## Packing info

Roll the Neon Flex on a scroll

Accessories kit

Inset scroll and acce. kit in master box, then seal the box

1=30m or 2=15m master boxes per ctn

Seal and label the carton

| Product Code | Net Weight / CTN | Gloss Weight / CTN | Units / CTN | Carton Size |
|---|---|---|---|---|
| DP-NL-2 (15m | 10.71 (1±10%) kgs | 14.13 (1±10%) kgs | 2 rolls(1 rolls=2x15m) | 430x400x390mm |
| DP-NL-2 (30m | 10.51 (1±10%) kgs | 13.93 (1±10%) kgs | 2 rolls | 430x400x390mm |