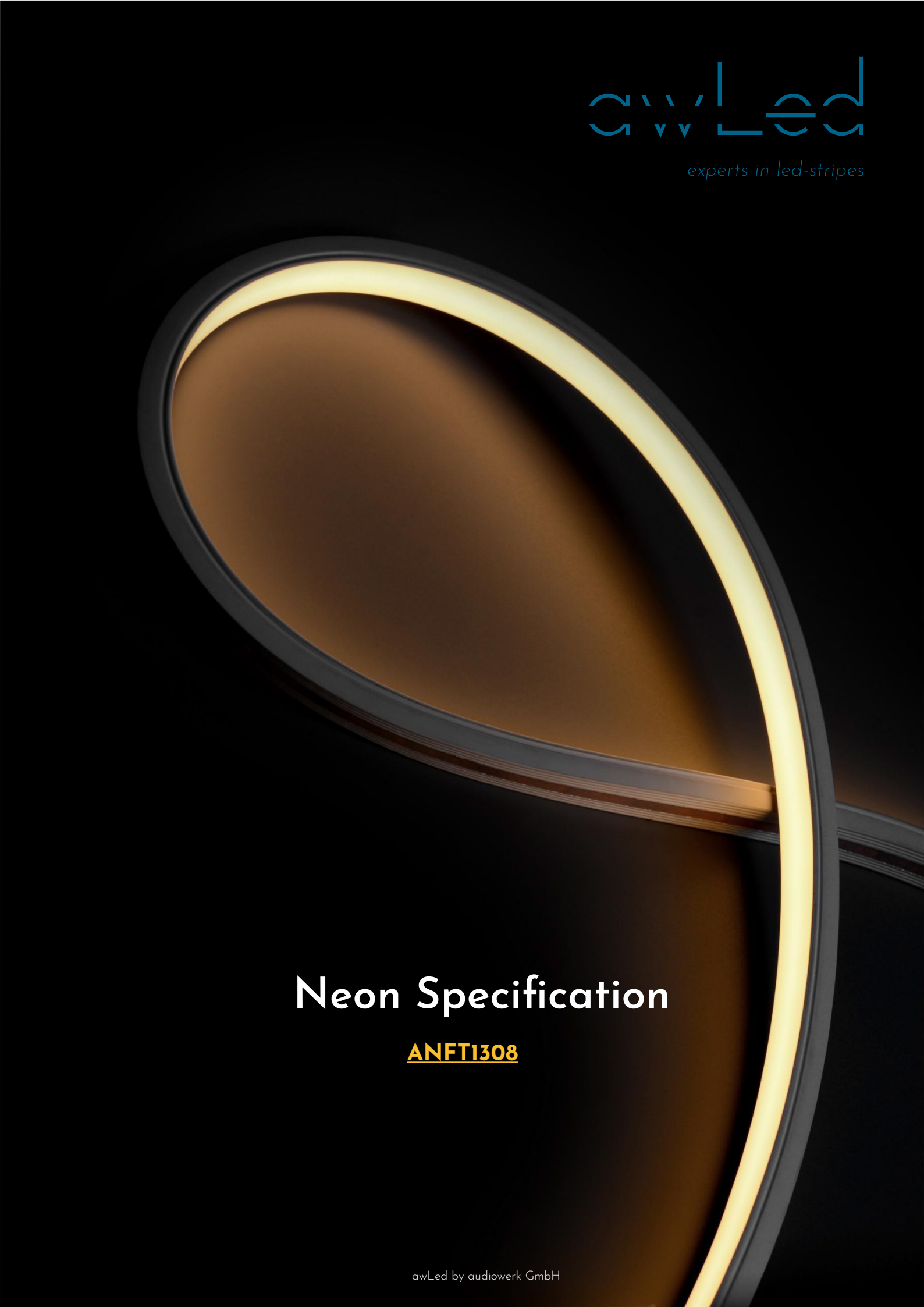
awLed

experts in led-stripes



Neon Specification

ANFT1308

Neon Specification

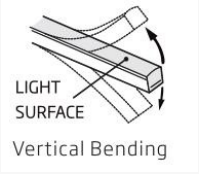
awLed
experts in led-stripes

ANFT1308

Feature

1. Top bending design, uniform light,Suitable for indoor and outdoor decorative lighting, architectural outline lighting, etc.
2. Silicone integrated extrusion technology, IP67 rate.
3. Multiple CCT choices, and ensure batch color consistency.
4. Using high quality gas silica gel, yellowing resistance, UV resistance, salt and alkali resistance, high temperature resistance, flame reardant.

DC 24V | CE | 1 BIN | Dimmable | LM 80 | Ra 90 | 110°



Min. Bending Radius
60mm / 2.36in

Ambient Working Temperature -40 ~ 55°C

Storage Temperature -40 ~ 60°C

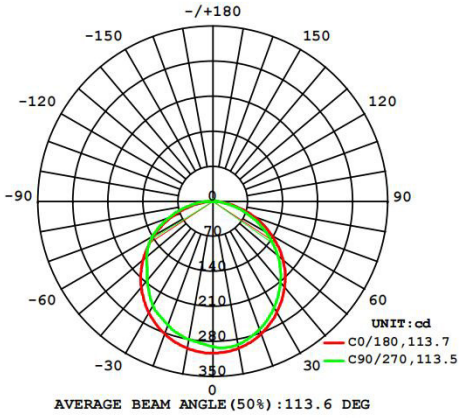
Min. Cutting Length
4.17mm @White 12Watt

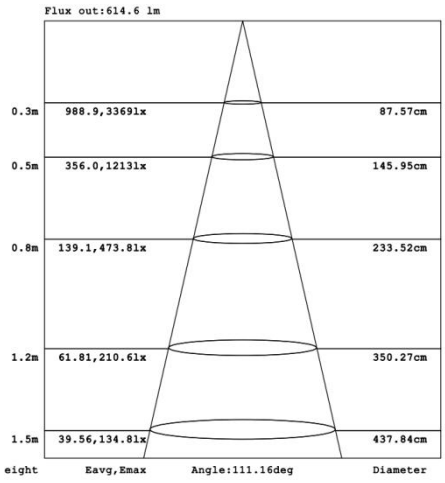
Electrical & Output Data

Model No.	ANFT1308
Step length (mm)	4.17mm (@white 12W)
Voltage (v)	24V
Color	2700K 3000K 4000K 6000K
Ra	90
Beam Angle(°)	110
Power (w/m)	12W(@white 12W)
Lumen(lm/m)	790 @12Watt @ Ra90 @ 4000K
IP rate	20/67
Installation	Mounting Clips / Aluminum Profiles / Soldering free connector

The electrical data provided on the each product pages are for reference only; the data values are not guaranteed. Specification may be subject to change without announcement.

Illuminance Distribution

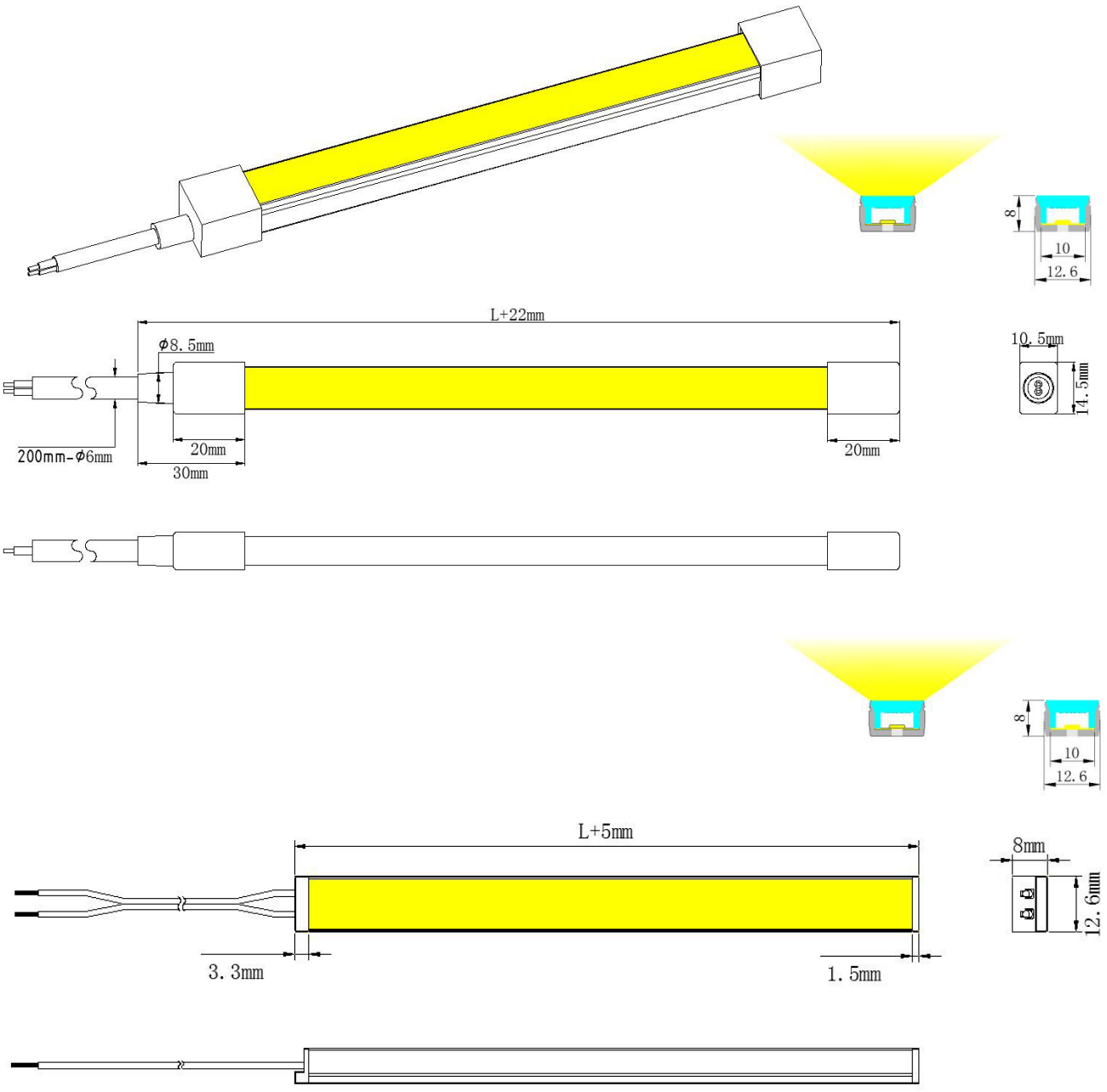




Light effciency & Lumen Output

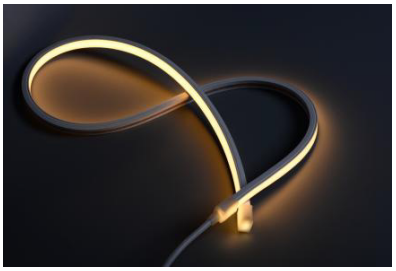
Item No.	Color temperature	Ra	Beam angle	Luminous flux (lm/m)	Luminaire efficacy (lm/W)	Power (W/M)
ANFT130812W24	2700K	90	110°	744	62	12W/M
ANFT130812W06	3000K	90	110°	756	63	12W/M
ANFT130812W08	4000K	90	110°	792	66	12W/M
ANFT130812W04	6000K	90	110°	768	64	12W/M

Dimensions & available lengths



Note:The length of "L" is the length of the light strip, which is an integer multiple of the minimum cutting length.

Max. Running Length

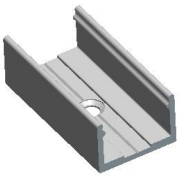
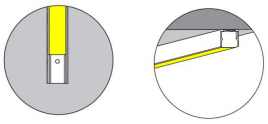
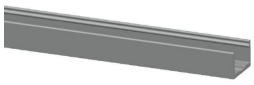
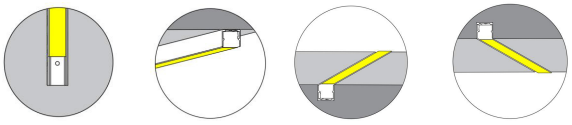
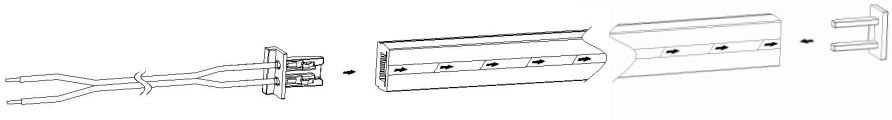


Type IP Rate	White 66
	12Watt
Item Code	Single-end
max.length (m)	11.19% @5M
	30.19%@6.5M

Note:

1. Above conclusion is based on voltage drop testing result of the light with 200mm cable only.
2. The maximum running length is based on the light in static full loading status.
3. Above running length is only the light length excluding lengths of connectors.
4. The delivery length might be subject to the maximum packing length.

ANFT1308 Mounting Profile

Name/Item Code	Picture	Installation Way
Install aluminum clips ANFZ1308A02 L25*W14.8*H9.2mm		
Install aluminum clips kit ANFZ1308A01 L950*W14.8*H9.2mm		
Soldering free connector Kit ANFZ1308A14		

ANFT1308 Wiring Diagram

Please use a constant voltage power supply with corresponding output voltage, and rated wattage of the power supply shall be 25% more than the actual power consumption of light to increase its life expectancy;

1. This w ring diagram is using the mains of AC 220-240V with brown and blue wires as an example, and please connect with the corresponding live and neutral wires for other mains electricity;
2. Dimming frequency ranges from 100Hz to 2000Hz, and 500Hz is recommended.

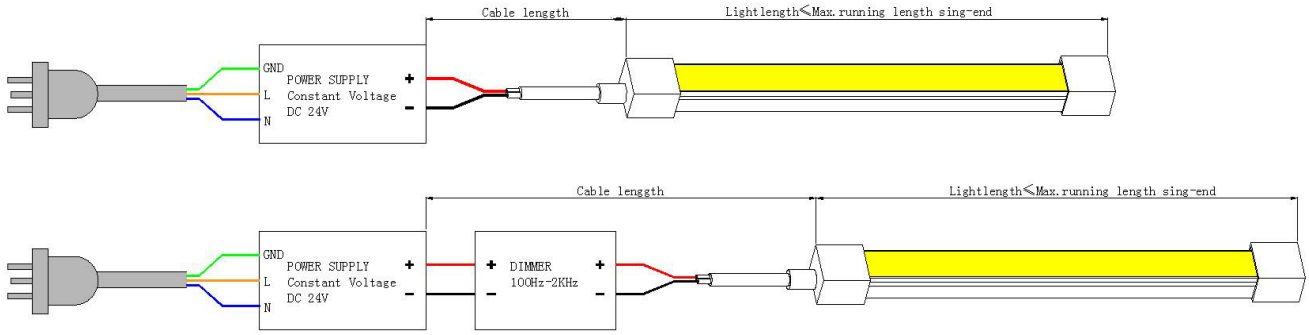
Light Length:
The length of the longest single light in parallel connection or sum of lights in series connection.

Cable Length:
The length of an electrical cable between power output end and light input end, and the cables for serial interconnection are inclusive.

How to Minimize Voltage Drop:

1. Please ensure the cable length is not more than the table "Max. Cable Length" according to light length and its wire gauge.
2. Please ensure the light length is less than the cable "Max. Running Length Single-end Feed".

Single-end Feed



Double-end Feed

The following wiring diagram with double-end feed to run length that is longer than max. running length for single-end feed but less than twice the value.

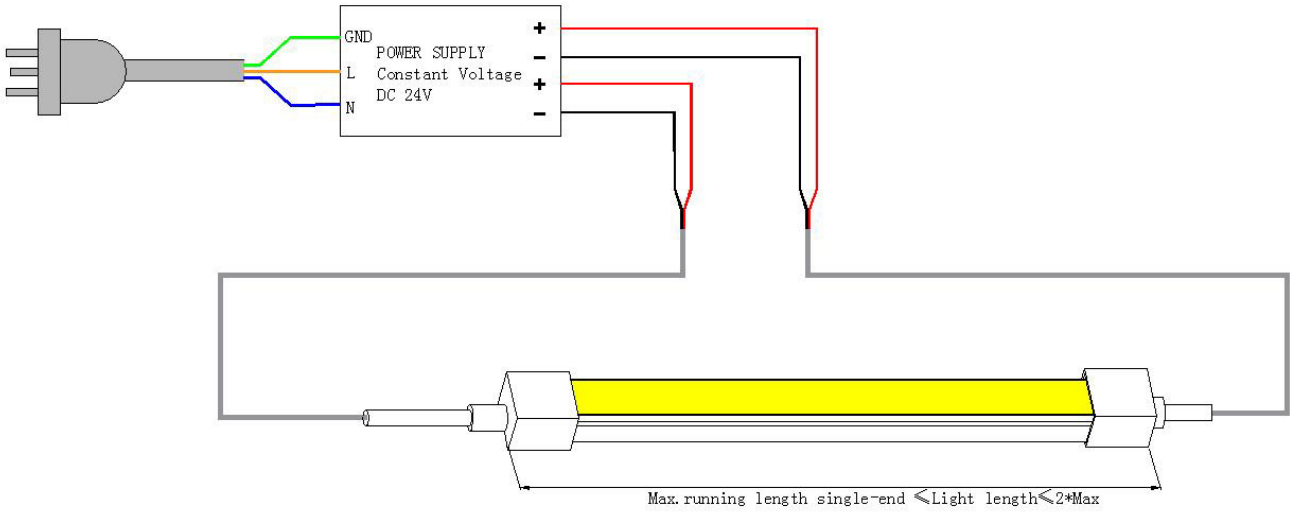
WARNING
Please ensure the polarity connection is correct on both ends, and short circuit might occur if powering the light from both ends with reverse polarity. It is not recommended to feed both ends of light with two separated power supplies, which would lead to overloading and overheating problem if either power supply is failed.

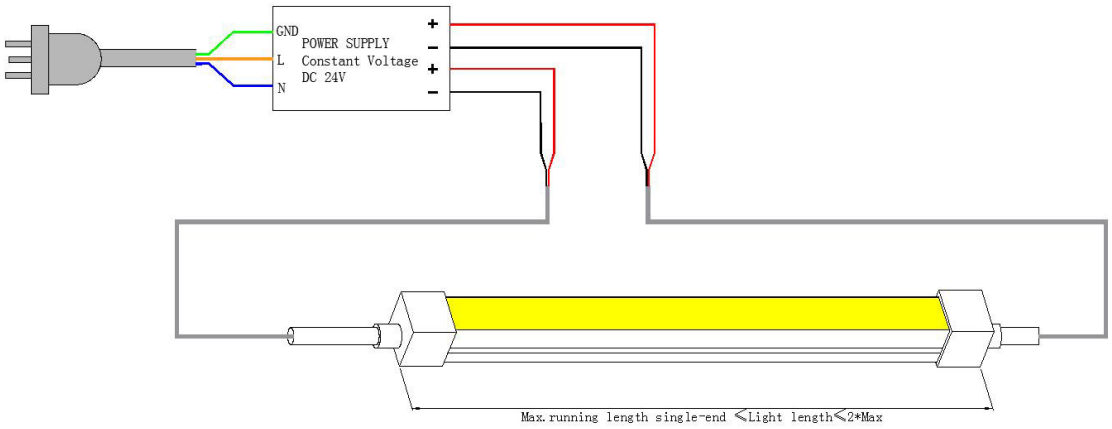
Light Length:
The length of the longest single light in parallel connection or sum of lights in series connection.

Cable Length:
The length of an electrical cable between power output end and light input end, and the cables for serial interconnection are inclusive.

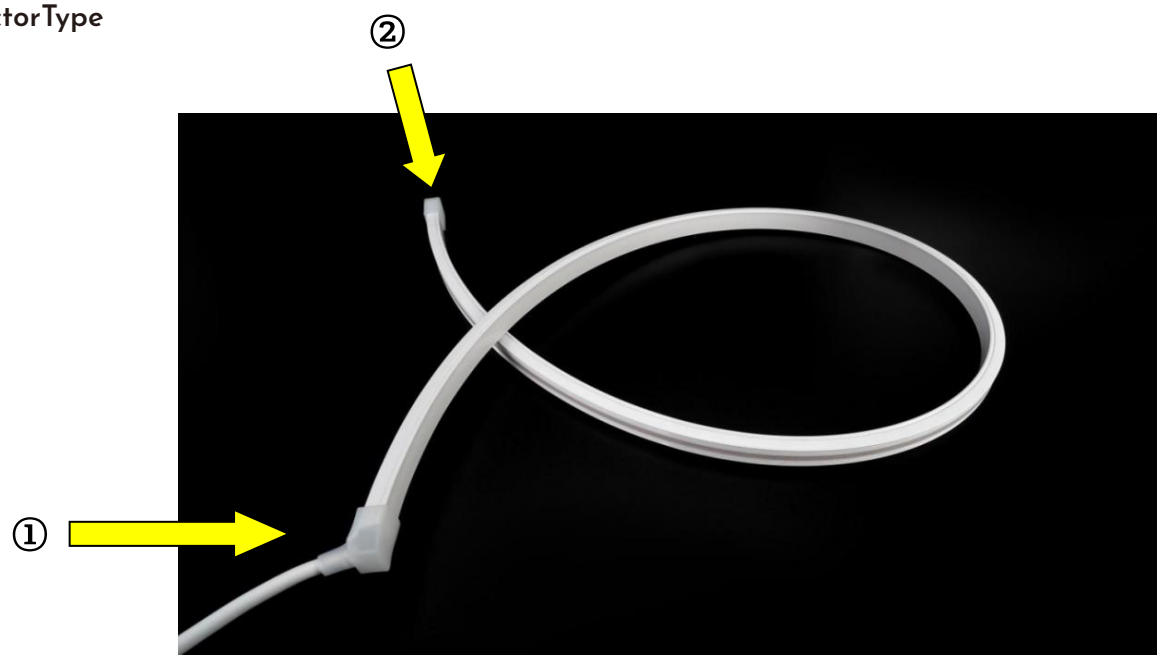
How to MinimizeVoltage Drop:

1. It is optimal to position the power supply in the middle of a single light or multiple lines in daisy chain to keep the equivalent cable length on both ends for double-end feed.
2. Please ensure the cable length is not more than the table "Max. Cable Length" according to the half of light length and its wire gauge.
3. Please ensure the light length is less than the table "Max. Running Length Double-end Feed".





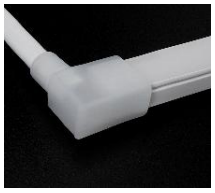
ConnectorType



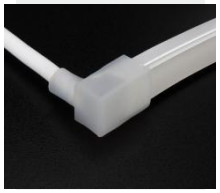
---

❶ Outlet End Cap

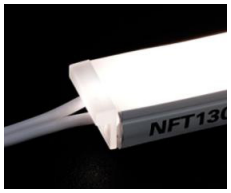
Waterproof Top



Waterproof Right

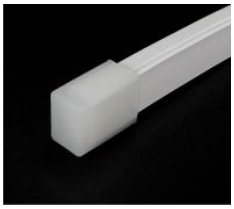


Waterproof Bottom



No welding plug

2 No outlet End Cap



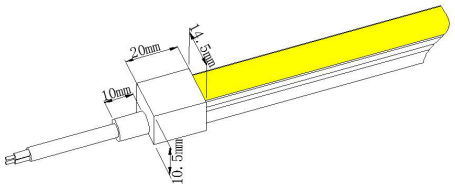
Waterproof End cap
ANFZ1308A13

No welded end cap
(in Kit ANFT1308A14)

Dimension: mm

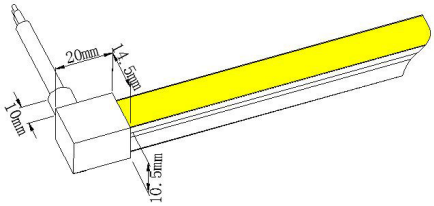
Waterproof End Cap-Top

ANFZ1308A10



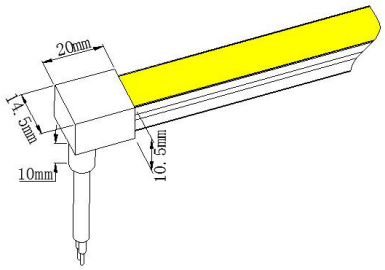
Waterproof End Cap-Right

ANFZ1308A11



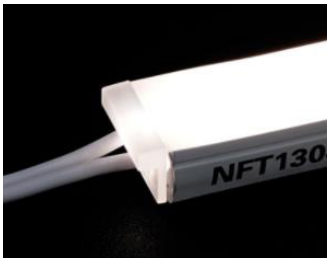
Waterproof End Cap-Bottom

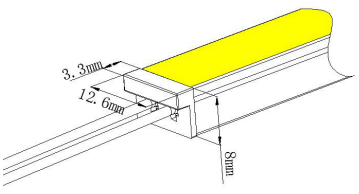
ANFZ1308A12



No welding plug

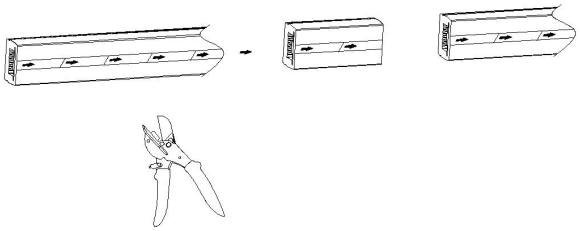
ANFZ1308A14

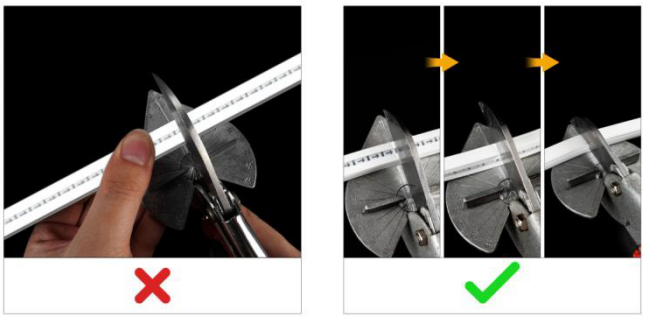




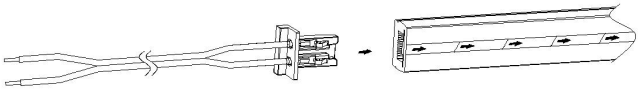
Note: To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

Cutting, welding and assembling instructions (No welding required):

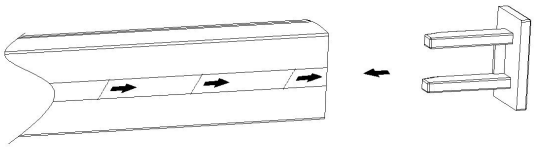




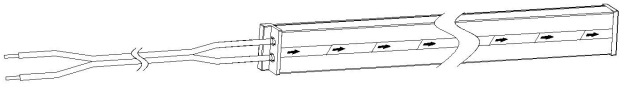
1. Cut the LED strips at the cutting mark line according to the required length.



2. Insert the welding plug into the lamp strip. Note: direction of arrow.

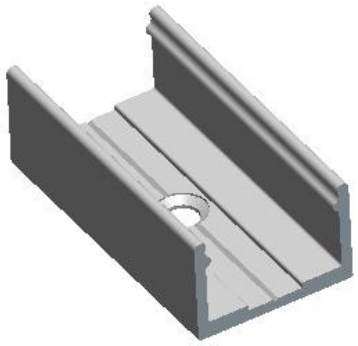


3. The end plug is inserted into the silicone lamp strip



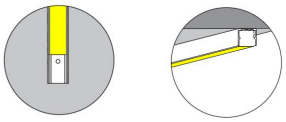
4. Installation complete

Install aluminum clips

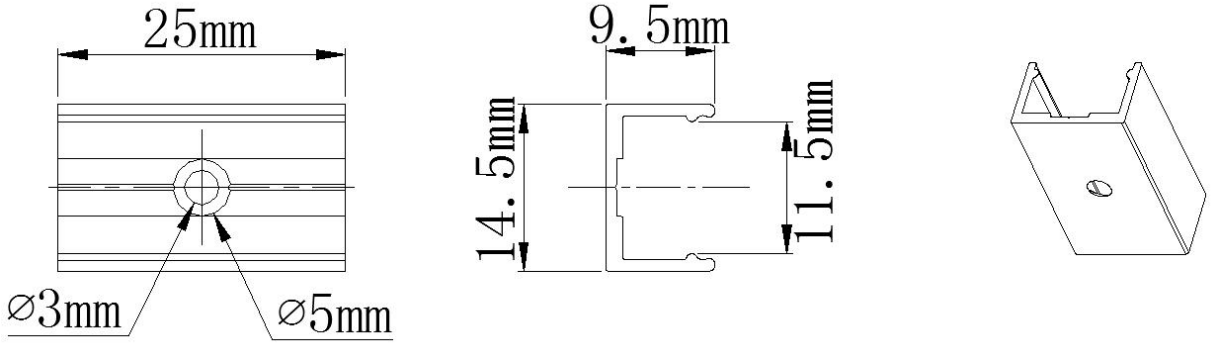


It uses high-quality 6063 aluminum with thin-wall, lightweight design to fit tightly the light body. It is deformation and rust resistant, and cost-effective.

Please refer to the applicable installation ways.

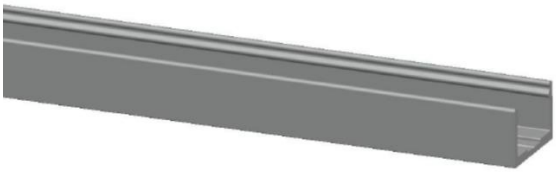


Dimension: mm



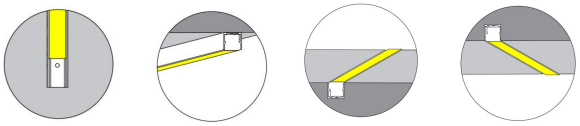
Item Code	Standard Length	Slotted Hole	Hole Number
ANFZ1308A02	25mm/0.98in	Ø3mm/Ø0.12in	1

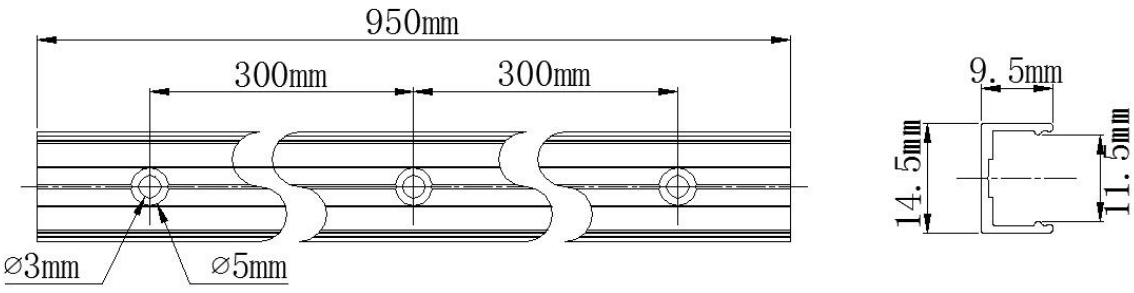
Aluminum Profile



It uses high-quality 6063 aluminum with thin-wall, light-weight design to fit tightly the light body. It is deformation and rust resistant, and cost-effective.

Please refer to the applicable installation ways.





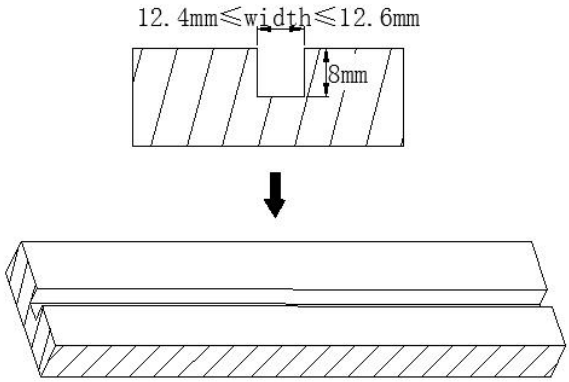
Item Code	Standard Length	Slotted Hole	Hole Number
ANFZ1308A01	950mm/37.4in	Ø3mm/Ø0.12in	3

awLed
experts in led-stripes

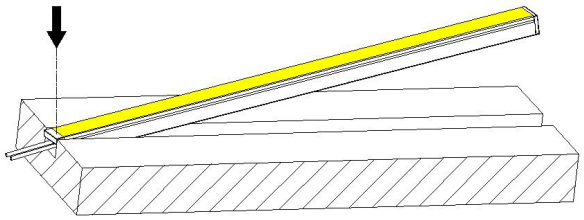
Installation Instructions

Friendly Reminder: please read instructions carefully before operation.

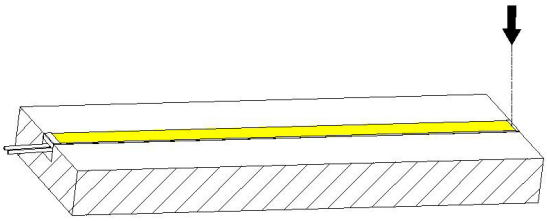
Installation methods 1



1. Slotting as shown.

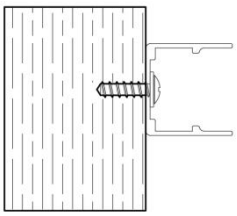


2 Press one end of the neon strip into the slot .

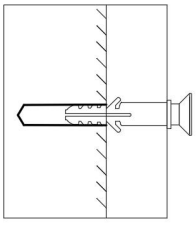


3. Press the other end of the neon strip into the slot.

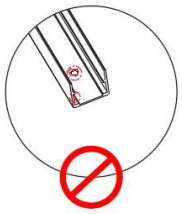
Profile Installation



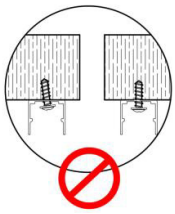
Install the screw into position and ensure the screw head is in line with or lower than the base of aluminum profile.



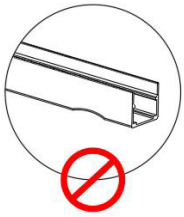
Place the rubber expansion bolt to assist with the screw fixation if the mounting surface is rigid.



Make sure no debris in the profile before installation to avoid the light housing being impaled and cause water ingression.

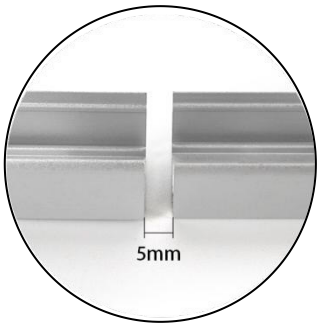


Make sure no bulges on the slot to avoid the damage on the light and cause water ingression.

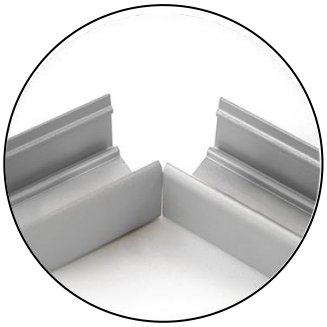


Do not use the profile deformed seriously.

Profile Jointing



1.Please reserve at least 5mm for profile jointing to enable enough space for contraction and expansion.



2.The profile can be jointed to a right angle only if there are two pieces of lights connected to be a right angle.

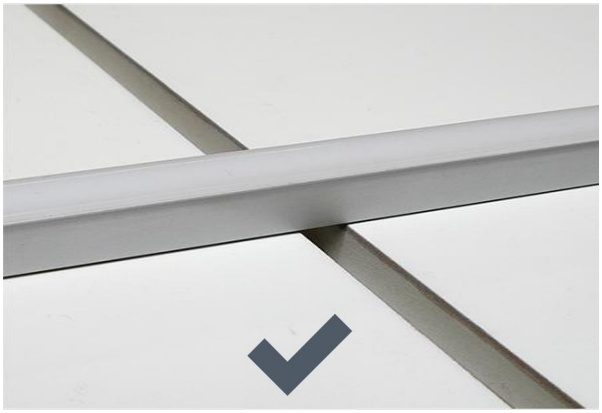
3.For the curve shaping of light, make sure to leave enough space to separate profiles in between or use the bendable profile instead.

4.Splice Structure on Mounting Surface

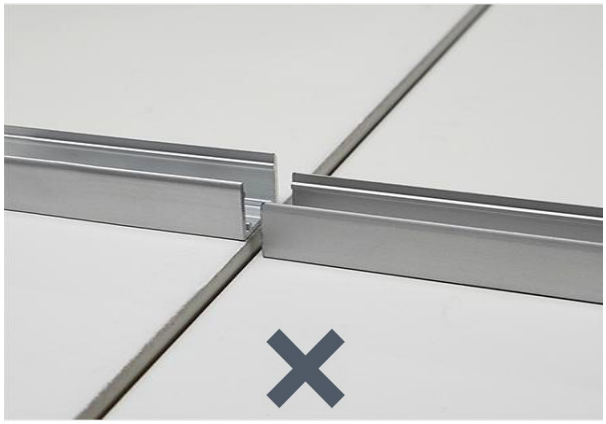
Angular Misalignment

Parallel Vertical Misalignment

Parallel Horizontal Misalignment



In the case of an outdoor mounting surface with the splice structure, please make sure the mounting profile goes across the gap or separate the light and profile as per the splice structure.

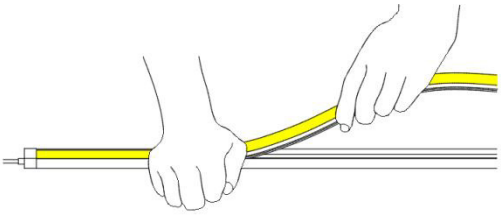


When the profile jointing lies where the mounting surface splices, contraction and expansion of the mounting surface in the long term will cause the misalignment of profiles and lights, and lead to the damage of inside PCB.

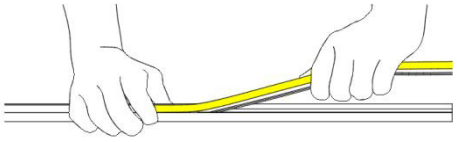
Above wrong misalignments will make the light improperly bent, and lead to the wrinkle or fracture on PCB.

Light Installation

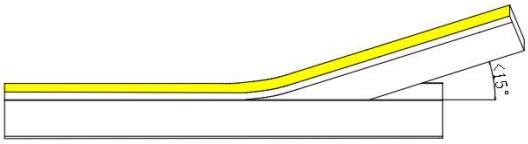
It's not recommended to install the light repeatedly, otherwise the light inside might be damaged.



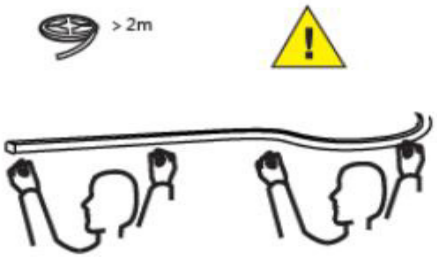
Make sure the light is fitted in vertically.



Press the light into the profile by the palm instead of the finger, otherwise it might damage inside electronic components due to the overpressure caused.

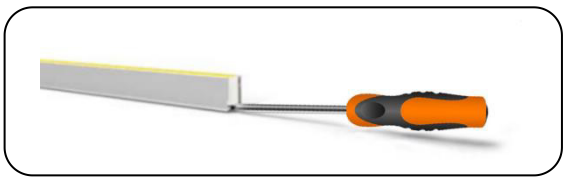


Make sure the angle between the light and profile is not bigger than 15°, otherwise inside PCB might be damaged.



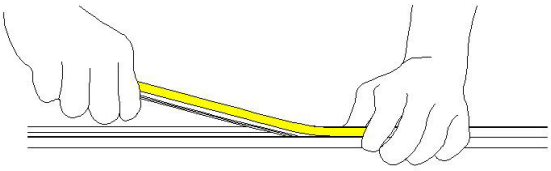
When light length>2m, make sure somebody helps to lift the light, in case the heavy weight of light itself generates too small bending angle or twisting, which may damage inside PCB.

Light Uninstallation

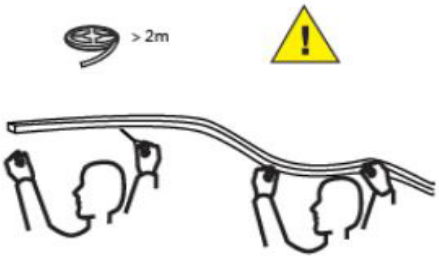


Prepare a screwdriver, and put the screwdriver at the bottom of light.

Move the screwdriver and unclench the light upwardly. Be careful the angle between the light and profile should not be bigger than 15°.



Once the end of light is out, hold both sides of light by hand and pull it out along the profile slowly and orderly. Make sure the angle between the light and profile is not bigger than 15°, otherwise inside PCB might be damaged.



When light length>2m, make sure somebody helps to lift the light, in case the heavy weight of light itself generates too small bending angle or twisting, which may damage inside PCB.