USER MANUAL OF 2 WIRE FLEXILIGHT

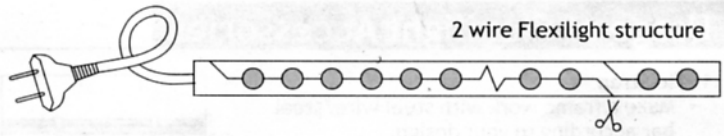
Flexilight is the most versatile, practical and affordable product to bring your creative ideas to real life and to provide you unsurpassed illuminating elegance. Besides, lighting up your country, Flexilight can enhance the decor around your home. Flexilight can be put inside and outside of buildings, used for putting around signs, making signs or even lettering, lighting up windows, doorways, stairs, decks, cabinets, edges, cars, trucks, motorcycles, trailers, homes and more and more. Just beyond your imagination.

Various Models of 2 Wire Flexilight

Models	Dimensions	No.of bulbs/m (Bulb spacing)	Cutting Unit				Features
			12V	24V	100-120V	220-240V	
Mini-Flexilight	Ø10.2mm	36 (2.78cm)	11.1cm	22.2cm	50cm	100cm	smallest size, highest flexibility, good for acute bending, precise decoration and lettering
Square Mini-Flexilight	10x10mm	36 (2.78cm)	11.1cm	22.2cm	50cm	100cm	square in shape, mini size, fit for corner and wall decoration
Instant-Flexilight	Ø13mm	36 (2.78cm)	11.1cm	22.2cm	50cm	100cm	medium size, perfect for building outline or large/small-scaled project
Super Instant-Flexilight	Ø13mm	48 (2.08cm)	8.3cm	16.6cm	37.5cm	75cm	high level of brightness, bulb density increased, ideal substitute for neon light
Super Brite Instant-Flexilight	Ø16mm	36 (2.78cm)	11.1cm	22.2cm	50cm	100cm	brightest model, larger bulb size, larger diameter, good for outline decoration of building and large-scaled projects
Square Instant-Flexilight	13x13mm	36 (2.78cm)	11.1cm	22.2cm	50cm	100cm	square in shape, medium size,brightness enhanced, fit for corner and wall decoration
Rectango Instant-Flexilight	11x18mm	48 (2.08cm)	8.3cm	16.6cm	37.5cm	75cm	rectangular in shape, high level of brightness, good for framing linear object.

3 wire, 4 wire, 5 wire Flexilight are available, please contact your authorized Flexilight distributor for more information.

Notice: To prevent inappropriate installation and damage, please read carefully the following instruction manual to ensure a safe installation and operation.



2 wire Flexilight structure

Main Technical Parameter

Rated Voltage	AC/DC 12V	AC/DC 24V	AC 100-120V	AC 220-240V
Rated Frequency	50-60Hz	50-60Hz	50-60Hz	50-60Hz
Rated Current	7A	7A	7A	7A
Rated Current of Super Brite Instant-Flexilight	8A	8A	8A	8A
Bulb Specification	0.21W,3V	0.21W,3V	0.46W,6.5V	0.46W,6.5V
Bulb Specification of Super Brite Instant-Flexilight			0.6W, 6V	0.6W, 6V
Type of Electricity Protection	II	II	II	II
Appropriate Environmental Temperature	-30°C to 45°C	-30°C to 45°C	-30°C to 45°C	-30°C to 45°C

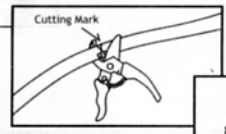
Maximum Loading Length of Various Models of Flexilight

	12V	24V	100V-120V	220V-240V
Mini-Flexilight (MF)	10m	20m	50m	100m
Square Mini-Flexilight (SF2)	10m	20m	50m	100m
Instant-Flexilight (IF)	10m	20m	50m	100m
Super Instant-Flexilight (SP)	9m	18m	45m	90m
Super Brite Instant-Flexilight (IF2CU)			40m	80m
Square Instant-Flexilight (SF2C)	10m	20m	50m	100m
Rectango Instant-Flexilight (RI)	9m	18m	45m	90m

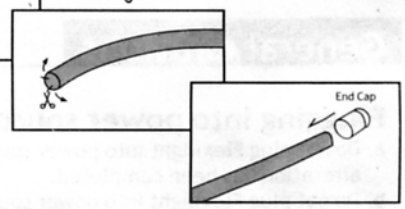
Instructions to Use

1. Cutting Flexilight

a. Cut Flexilight according to the Cutting Mark as indicated, to the preferred length.
b. To avoid short circuiting the Flexilight, make sure the copper wires inside the Flexilight are cut neatly. Bend the Flexilight left and right, then cut off any extra copper wires.
c. Cover the end of Flexilight with an appropriate End Cap and seal with silicone adhesive or tie with a tie strap for insulation. The other end of Flexilight can be joined to a power cord.



Be careful!
Don't forget to bend cut the tin wire

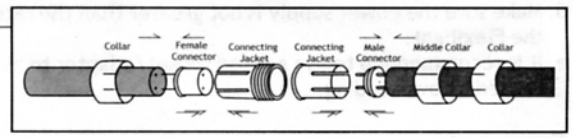


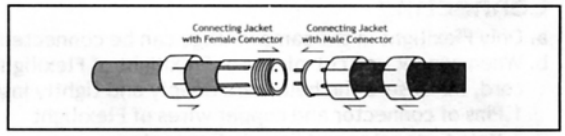
2. Connecting cut-pieces of Flexilight

Caution: Only cut-pieces of Flexilight in the same voltage can be connected.

Method 1: By Splice Connector

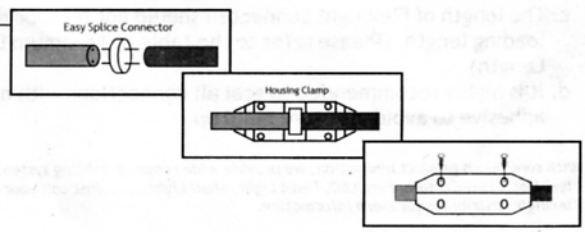
a. Unscrew the Middle Collar and disassemble the Splice Connector.
b. Slip Collars over the Flexilight.
c. Vertically insert Male Connector and pins of Female Connector into the wire points of Flexilight. Be sure the Connectors are exactly matched with the wires and inserted all the way.
d. Slip the Connecting Jackets over Male Connector and Female Connector accordingly. Twist Collars until firm.
e. Insert the Male Connector into the Female Connector, aiming at the holes of Female Connector. Tighten the Middle Collar until firm.



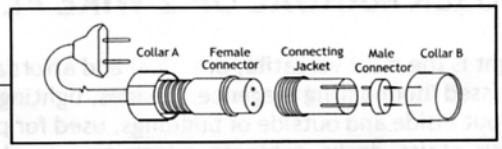


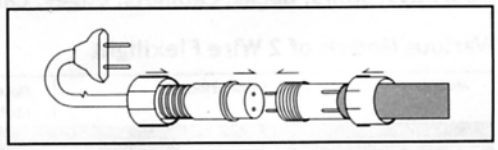
Method 2: By Housing Clamp (splice)

a. Insert the Easy Splice Connector into the wire points of Flexilight.
b. Place the cut-pieces of Flexilight with Easy Splice Connector in the middle of the Housing Clamp. Make sure the Easy Splice Connector is in the center channel of the Housing Clamp.
c. Fill the Housing Clamp with neutral silicone adhesive to cover the connection fully to prevent build up of moisture.
d. Lock together upper and lower parts of the Housing Clamp and fasten tightly.



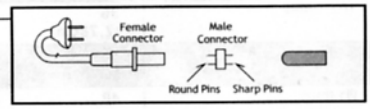
3. Connecting Flexilight with a power cord

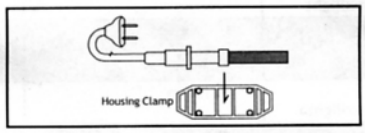


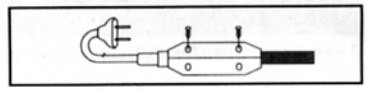


Method 1: By power Connector

a. Disassemble the Power Connector.
b. Slip Collar B over the Flexilight. Pull out the Male Connector and then vertically insert into the wire points of Flexilight. Be sure the Male Connector is inserted all the way and exactly matched with the wires.
c. Slip the Connecting Jacket over the Male Connector and Flexilight. Twist Collar B until firm.
d. Insert the Male Connector into the Female Connector, ensuring it is secure. Twist Collar A over Connecting Jacket until firm.







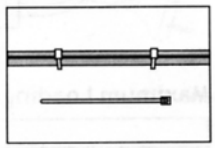
Method 2: By Housing Clamp (cord)

a. Insert the Male Connector of the Housing Clamp into the wire points of Flexilight. Then insert the round pins of Male Connector into the female part of the power cord.
b. Place the Flexilight with power cord in the middle of the Housing Clamp. Make sure the Male Connector is in the center channel of the Housing Clamp.
c. Fill the Housing Clamp with neutral silicone adhesive to cover the connection fully to prevent build up of moisture.
d. Lock together upper and lower parts of the Housing Clamp and fasten tightly.

Usage of Flexilight Accessories

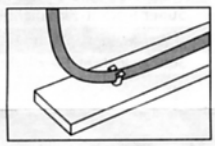
1. Tie Strap

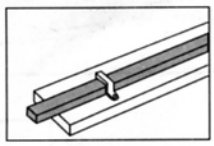
- Make a frame work with steel wire/steel bar according to your design.
- Use Tie Straps to secure Flexilight onto the wire.
- Good for making artwork or building highlight.



2.Mounting Clip

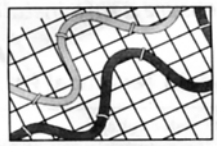
- Fix Mounting Clips with nails on wooden surface, or with glue or double-sided tape on smooth metal surface according to your design.
- Or secure Rectangular/Square shaped Flexilight by appropriate Mounting Clips and fix by nails.
- Can be applied on concrete/wooden/ smooth metal surface. Perfect for big lighting projects.





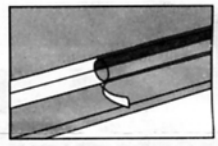
3. Steel Net

- Sketch your design on paper at actual size.
- Put it under the Steel Net and fix Flexilight on the net with Tie Straps according to your drawing.
- Good for making artwork.



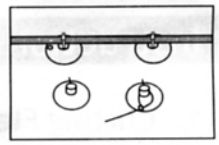
4. Channel

- For straight line, stick Channel on glass surface with double-sided tape, or nail Channel on wooden surface.
- Press Flexilight in the Channel.
- Applicable to straight line decoration.



5. Suction Cup

- Fix Suction Cups on glass surface, or on metal surface with glue.
- Use Tie Straps to fix Flexilight to the Suction Cups.
- Suitable to be applied on glass surface/ window display/smooth metal surface.



General Cautions

Plugging into power source

a. Do not plug Flexilight into power source until installation or alteration has been completed.
b. Do not plug Flexilight into power source until End Cap has been securely fixed on the end of Flexilight.
c. To avoid damage caused by intensive heat, do not plug Flexilight into power source for more than 5 minutes while it is still packed in roll.
d. Make sure the power supply is not greater than the rated voltage of the Flexilight.
e. It is recommended to use a fused socket/adaptor to avoid damage caused by overloading.

Connecting

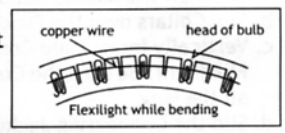
a. Only Flexilight in the same voltage can be connected.
b. When connecting cut-pieces of Flexilight of Flexilight with power cord, make sure the below are deeply and tightly inserted together:
   1.Pins of connector and copper wires of Flexilight
   2.Male Connector and Female Connector
c. The length of Flexilight connected should not be over the maximum loading length. (Please refer to the table of Maximum Loading Length)
d. It is highly recommended to seal all connections with neutral silicone adhesive to avoid moisture build up.

Cutting

a. Flexilight can only be cut at the Cutting Mark.
b. To avoid short circuit of Flexilight, make sure its copper wires are cut neatly.

Using

a. Warm up Flexilight by connecting power before shaping into design. Unplug it while shaping.
b. For the best effect of Flexilight which is in vertical bulb structure, it is suggested that head of bulb faces up, especially when bending. Please see the picture.



c. Do not use conducting metal wire to tie Flexilight.
d. Make sure Flexilight does not come into contact with any inflammable material or any material likely to melt or distort.
e. Ensure adequate ventilation around Flexilight. Never Wrap or install Flexilight in any enclosure.
f. Do not submerge Flexilight into water.
g. When planning your installation, it is recommended to review your plan with a licensed electrician.

With continuous product innovation, we provide wide range of lighting systems: Flexi-Star, Flexi-Net, Flexi-Curtain, FlexiLED, Pearl Light, Shell Light.....Just call your authorized Flexilight distributor for more information.