



Luci FLEX α F Indoor

10mm pitch

Instruction Manual

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⚠ Safety Cautions

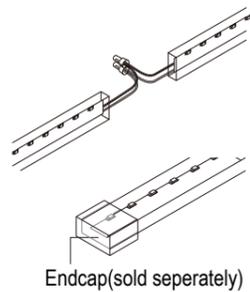
The following is the safety cautions to prevent any harms or damages to others.
If the product is used against cautions, it may cause damages.

⚠ Electrical work certificate is needed to install and inspect this product. Please ask electrician for the installation.

⊘ Please use DC24V power supply.
Do not use other power supplies such as AC220~240V.

⊘ Please turn off all the powers when installation and inspection.
Do not connect or disconnect the lead wires with its power on.

⚠ If the charges are in wrong direction, electric resistances will become hot and lighting will be destroyed. Please connect the lead wires with same color and insulate with sleeve-insulation tape-shrinkage tube.



Endcap(sold seperately)

⊘ Do not place a heatable object such as a cloth or paper or an insulating material on top of the lighting device or cover it with such a material. It may cause the device not to turn on or fire.
Do not put a piece of metal or a flammable object in clearance of the lighting device. The outline of the lighting device main unit must not contact equipment in or out of the ceiling. It may cause fall, electric shock, or fire.
Do not operate the device with wet hands. It may result in an electric shock.

⊘ Important notice for storage
Observe the storing temperature of our light fittings: 0 °C to 55°C
Please do not store the carton or the packages of our light fittings in the following conditions:
- wet location
- places of high humidity
- places with much litter or dust
- places of exposing against sun light directly
- places a solvent such as a paint liquid is stored

During storing period, please do not leave the cartons or individual packages vertically.
Please do not open individual package until just before installing light fittings to avoid any damage to the light fittings.

Please do not keep the carton in horizontally.
Please do not place heavy object on the carton.
Please do not use our light fittings as the working light during construction period.

⚠ When this product is cut, please use endcaps to coat the surface.

⊘ Please rainproof using rainproof endcaps and lead wire coating when this product is used outside.

⊘ This lamp fitting is for indoor use only. Do not use in the following environments:
- A location at high temperature (+35°C or higher) (usage environment temperature is 0°C to +35°C.)
- A location with high humidity.
- A dusty location.
- A location with corrosive or inflammable gases.
- A location where the product is exposed to direct sunlight.
- A highly airtight location.
- A location where the product is directly exposed to salt water or organic solvents.
- A location subject to the effects of electric or magnetic fields.
- A location subject to intense vibration or shock, or a location subject to continuous vibration.

⊘ Please do not do the followings to the product.
- Cut where there is no cut-mark
- Decompose or modify
- Pull or twist strongly
- Push strongly
- Bend more than the max angle(R50mm)

⚠ When there is abnormal situations, please cut off the power immediately, consult with electricians, and do not touch the lighting with hands.

Please read before the usage

- For safety, do not directly view the LED light source.
- The minimum allowable bend range of this lamp fitting is R 50 mm. This means that the lamp fitting can be bent at most to a circle of diameter 100 mm. See the illustration in the lower right.
- When the air temperature is low, the lamp fitting may become stiff. Forcibly bending the fitting may cause damage. In this situation, it is recommended that you connect the lamp fitting to the power supply, turn on the light, wait until it warms up, and then bend.
- When handling the product, take care not to bend or twist it. This may cause malfunctioning. When mounting on a ceiling, under a shelf, or on a wall, mount tightly with no looseness or sagging.
- Use a mounting rail (option) to mount the lamp fitting in the mounting position.
- To mount the mounting rail in the mounting position, use mounting clips (option) and screws (commercially available).
- If you are using an instantaneous adhesive agent, wipe off all foreign matter, moisture, and oil from the mounting rail and mounting surface. Dirt on the surfaces to be glued may cause the mounting rails to detach.
- The product has been manufactured with the utmost care; however, please understand that slight deviations in LED color are unavoidable due to the characteristics of the product.
- For safety, do not directly view the LED light source.
- The minimum allowable bend range of this lamp fitting is R 50 mm. This means that the lamp fitting can be bent at most to a circle of diameter 100 mm. See the illustration in the lower right.

Maintenance and Inspection

- Lighting apparatus has a life span.
- Degradation occurs inside after 8-10 years of installation even when the apparatus looks fine from the outside. Parts of the lighting apparatus degrade due to heat when the light is on for a long time. This causes not only safety issues, but also reduces power efficiency and it is recommended to have regular maintenance and inspection.
- Cleaning and inspection should be performed at least once every 6 months.
- Inspection by a specialist, such as a product contractor, should be performed at least once every 3 years.
- If the apparatus is used for a long time without having an inspection, there is a small possibility that it could lead to fuming, igniting, electric shock and the like.

Inspection Methods

- Is LED operating normally?
- Is there any unusual smell, sound or heat?
- Are there any cracks, splits, or detached parts on any parts or joints?

Cleaning Method

- Lightly wipe the lighting apparatus with a soft cloth.
- To best clean the apparatus, wipe dirt with a soft cloth which has been soaked in a neutral detergent diluted with water and wrung firmly. To finish off, wipe it with a damp cloth and dry it.

This product cannot be bent less than this angle →

Product specifications

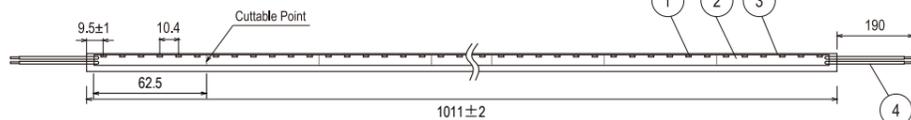
※unit of measure=mm



Input voltage
DC24V

Front view

【LFXF10-T1000-※-CL/DF-I】

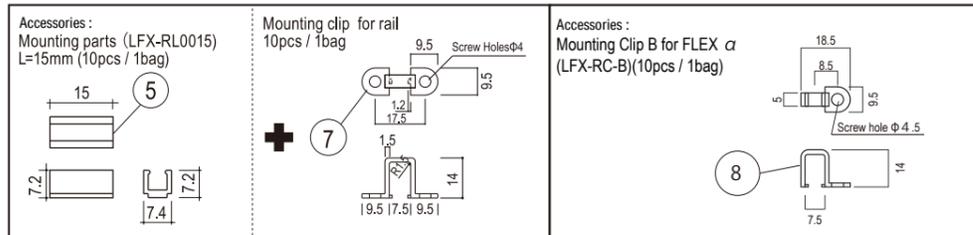


Side view

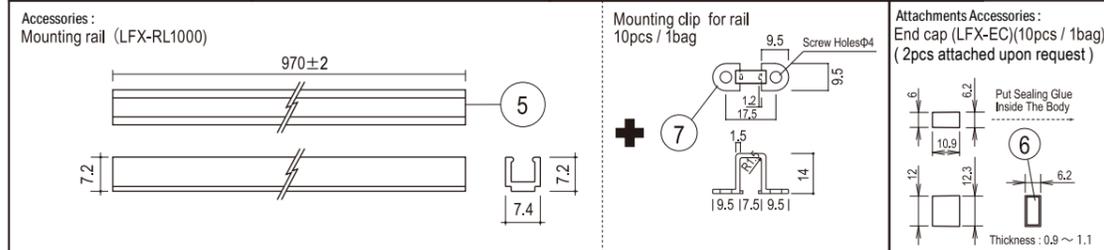


#	Item	Name Materials etc.
①	LED	SMD type
②	Tape Substrate	FPC
③	Body	Flexible Acrylic, Clear
④	Lead Wire	Black+, White
⑤	Mounting rail / Parts	AES
⑥	End cap	Polycarbonate, Clear
⑦	Mounting clip for rail	Polycarbonate, Clear
⑧	Mounting clip B	Polycarbonate, Clear

Accessories



Cables
Recommended : VCTF-2C 0.75sq
※Cables are not included

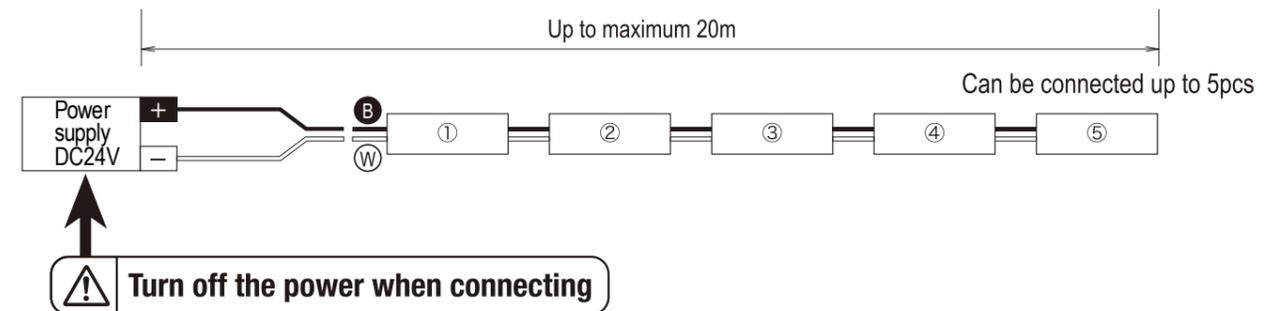


Power supply	
Use appropriate power supply. Max connectable Unit : Max 5pcs (5m)	
4.2W /m	Output
8.3m	50W
16.7m	100W
25.1m	150W

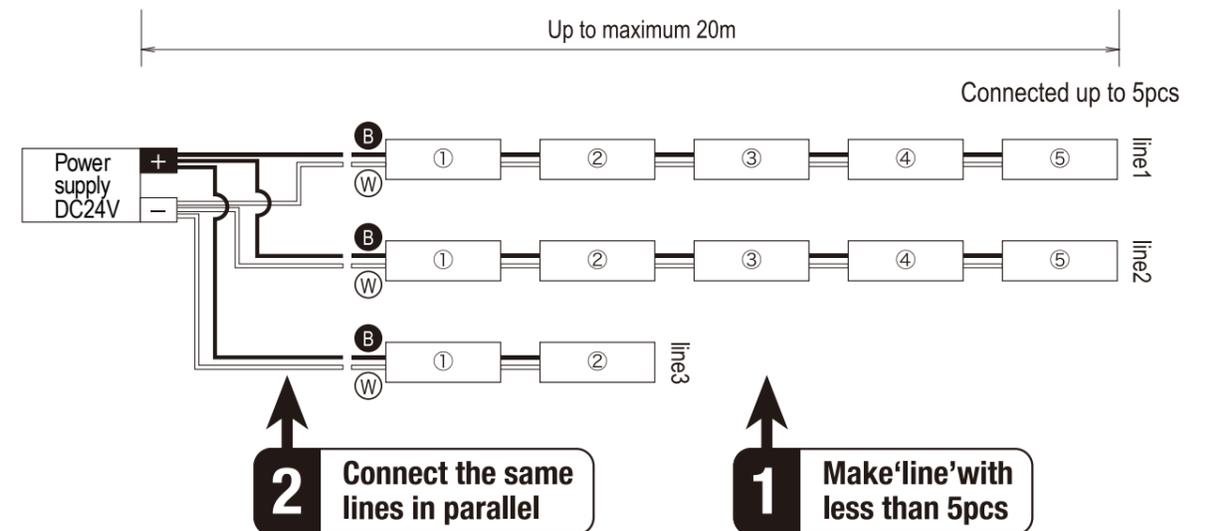
Item / Product Name	Luci FLEX α F
LED pitch	10mm pitch
	Indoor
Model No.	LFXF10-T1000-※-CL/DF-I
Wattage	4.2W /m
Input current	193mA (max)
Number of LEDs	96 LED
Weight	40g
Environment	Indoors (No Condensation)
Operating temperature	0°C ~ +35°C (No Condensation)
Max. length per circuit	5m
Material (Body)	Soft Acrylic
Min. allowable bend range	R50mm
Attachments	End cap×2 (※upon request)
Accessories	Mounting rail, Mounting parts, Mounting clip, Mounting clip B, End cap
Light source color (※)	Day light, Natural white, White, Warm white 3000K(L30), Warm white 2700K(L27), Warm white 2400K(L24), Warm white 1900K(L19)
Dimmable	○

Connecting lamp fittings

For 5 devices or less



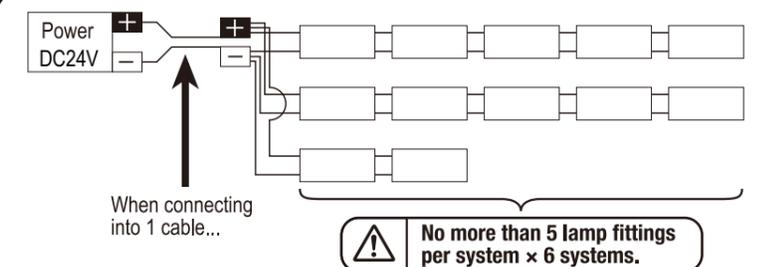
For 6 devices or more



※Amount of the connecting device depends on the power output(W).
 ※Luci FLEX α F can be connected up to 5pcs. The max distance between the power to the last device is 20m.
 ※Divide into multiple lines when the amount exceeds more than the max connectable units.

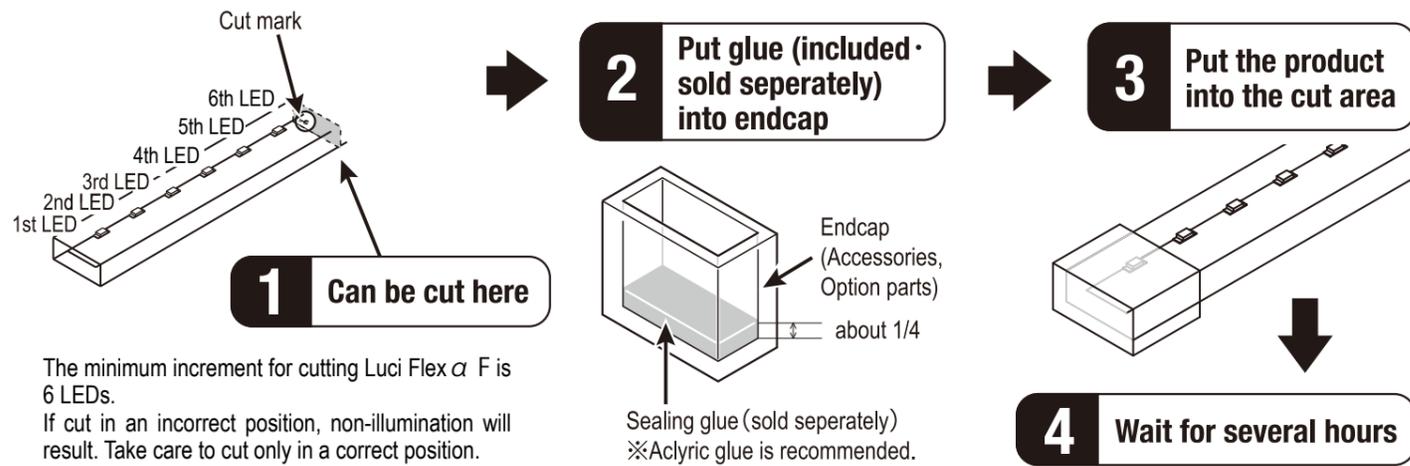
⚠ Cautions

- It is recommended to connect directly same lines. (diagram above)
- When connecting multiple lines into one, please connect less than 5 pcs*6 lines. (right diagram)



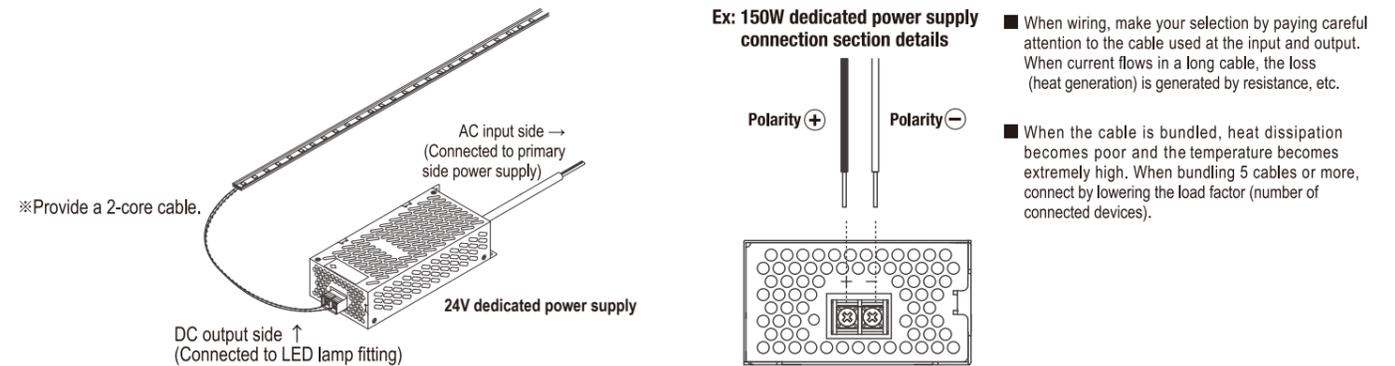
Cutting of lamp fitting

The lamp fitting can be shortened by cutting in increments of 6 LEDs.



The minimum increment for cutting Luci Flex α F is 6 LEDs.
If cut in an incorrect position, non-illumination will result. Take care to cut only in a correct position.

Connecting to the power supply



■ When wiring, make your selection by paying careful attention to the cable used at the input and output. When current flows in a long cable, the loss (heat generation) is generated by resistance, etc.

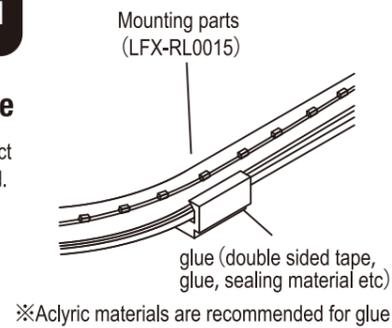
■ When the cable is bundled, heat dissipation becomes poor and the temperature becomes extremely high. When bundling 5 cables or more, connect by lowering the load factor (number of connected devices).

Installing the product

Usage when flexed

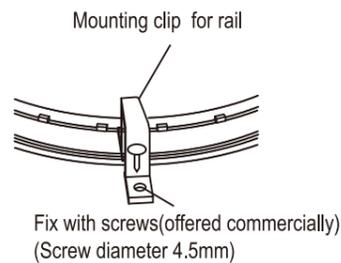
Mounting with glue

Use glue to mount the product when screws cannot be used.



Screw fixing

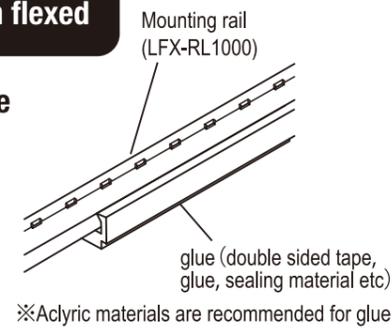
Mounting clip have screw holes so use them to fix the product.



Direct usage when flexed

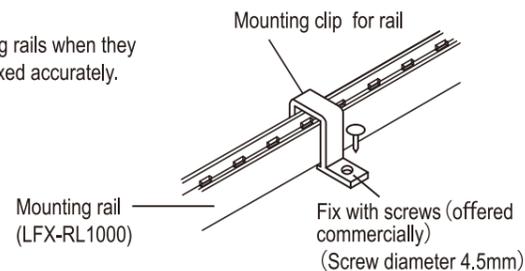
Mounting with glue

Use mounting rail where screws cannot be used.



Screws

Use mounting rails when they need to be fixed accurately.



Checklist before turning on

- Cut area must be sealed with endcaps.
- Black & black lead wires and white & white lead wires are connected.
- "+" with black lead wire and "-" with white lead wires must be connected for DC24V power.
- All the cut areas and connecting areas must be waterproofed.

