



Luci RIMiT flex-s IP65

Instruction Manual

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⚠ To ensure safe usage

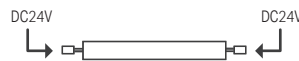
The following are the safety cautions to prevent any harm or damage to others.

If the product is used against cautions, it may cause damage, electric shock, smoke or fire.

⊘ Only supply power through the lead wire on one side using the dedicated connection cable for this product.

Supplying power through the lead wires on both sides may cause failure and fire. If using only one **LED fixture**, insulate the **unused connector** with self-adhesive tape or **electrical tape**.

✗ Do not supply power through the lead wires on both sides.



✓ When using only one **LED fixture**.



A Certified Electrical Worker / Engineer is recommended to install



Use a DC24 V power supply. Never connect to any other power supply. Always use a circuit breaker of suitable capacity in the power supply. If the capacity is not suitable, the breaker may not work when abnormal current occurs, which may cause fire.



Always shut off the main power supply before working or inspection. Do not connect or disconnect the lead wires of the LED fixture while power is supplied.



Firmly connect the connectors. Incomplete connection may cause heating, smoke, and fire.



Do not touch the ends of the connectors. Risk of electrical shock.



Do not use the product if the cover is damaged. Risk of an accident and electrical shock.



If the product is dirty, wipe with a dry cloth. Do not use thinner, benzene, or other organic solvents to clean the product and do not wash with water.



Do not use a brush or an abrasive to polish metal parts. Risk of damage and corrosion.



Important notice for storage
Please ensure the fixture is stored within -10°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
- Dusty or dirty places
- Place that sunlight is directly exposed.
- Places where a solvent such as a paint liquid is stored

During storing period, please do not place the cartons or individual packages vertically.

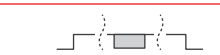
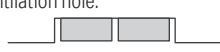
Please do not place heavy object on the carton.
Please do not use our LED fixture as the working light during construction period.



Always test before connecting the LED fixture to a switch or dimmer.



Allow sufficient space for ventilation (heat dissipation) between the LED fixture and building structure. Avoid installing the LED fixture close to each other. It may shorten product life or cause fire. When installing the LED fixture in a box, please make sure to provide the air ventilation hole.



Do not use the product if the cover is damaged. Risk of an accident and electrical shock. Avoid spraying detergent directly on the LED fixture. If this happens, immediately rinse with water.



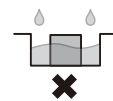
If the product is dirty, wipe with a dry cloth. Do not use thinner, benzene, or other organic solvents to clean the product, and do not wash with water.



Do not use a brush or an abrasive product to polish metal parts. Risk of damage and corrosion.



Do not use in the following environments :
- Location at high temperature (+35°C or higher) (Operating temperature is 0°C to 35°C.
- Location where water may splash onto the product.



- Location with corrosive or inflammable gases.
- Airtight location.
- Location where the product is directly exposed to salt water or organic solvents.
- Location subject to the effects of electric or magnetic fields.
- Location subject to intense vibration or shock, or a location subject



Do not do the following :
- Forcibly remove the product after mounting it.
- Disassemble, modify, or add holes to the product.
- Forcibly pull or twist the product.
- Cut or damage the power cable. Use a damaged cable.
- Use or connect with a damage cable.
- Do not apply pressure to the product.
- Drop the product or subject the product to intense vibration or shock.

Please read before the usage

Use the special mounting fixture to mount the LED fixture to the mounting location, and verify that the mounting is secure.

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.

Caution : Must choose suitable power supply

Refer to the power supply manual for temperature, humidity and other operating conditions.

Maintenance and Inspection

- LED fixture has a life span.
- Degradation of inner materials occurs after 8-10 years of installation even when the LED fixture looks fine from the outside. Components of the LED fixture degrade due to the generation of 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 carried out at least once every 6 months.
- At least once every 3 years, an inspection should be carried out by a specialist such as a product contractor.
- If the LED fixture 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. Cleaning Method

Inspection Methods

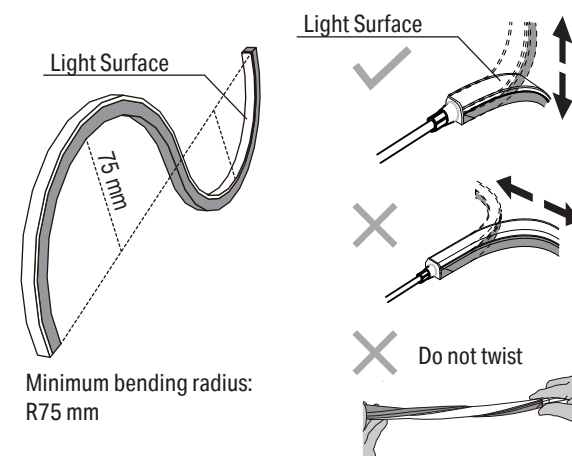
- Is LED operating normally?
- Is there any unusual smell, sound or heat?
- Are there cracks, slits, or detached parts on any part or joint?

Cleaning Method

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

Bendable direction and minimum bending radius

Caution: If LED fixture is bend in the wrong direction or over-bended during installation work, it may damage the fixture and it may stop working.

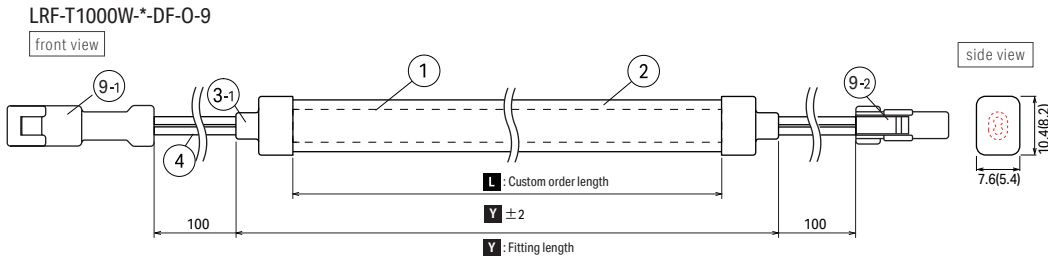




Luci RIMiT flex IP65

Instruction Manual

Product specification



| Input Voltage | | |
|---------------|-----------------|---|
| DC24V | | |
| No. | Item name | Material etc. |
| ① | Body | Flexible circuit board |
| ② | Tube | Silicone, Diffuser / White |
| ③ | Cap | Silicone, Diffuser |
| ④ | Lead wire | UL1007 AWG26 Black:+ White:- |
| ⑤ | Mounting clip A | Polycarbonate, Clear |
| ⑥ | Mounting clip B | Polycarbonate, Clear |
| ⑦ | Rail cover | Polycarbonate, Clear |
| ⑧ | Mounting rail | Polycarbonate, Clear Aluminum, White |
| ⑨ | Connector | Nylon, UL94V-0, White |

Connector

Technical drawings of two connectors with dimensions:

- Left connector: Width 8.1, Height 7.0, Total length 25.8. Label 9-1.
- Right connector: Width 16.5, Height 6.7, Total length 15.5. Label 9-2.

Installation dimensions (Side view)



A) Mounting rail



B) Mounting rail



C) Mounting rail



D) Mounting rail



E) Mounting



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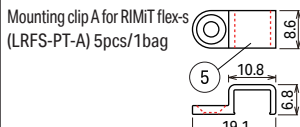


Q14. *What is the most important factor in determining the success of a business?*

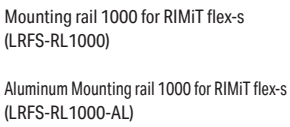


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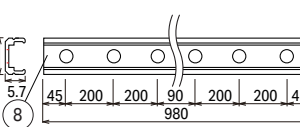
Accessories



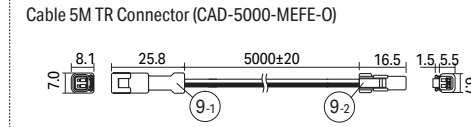
Mounting clip B for RIMiT flex-s
(LRFS-PT-B) 5pcs/1bag



Rail cover for RIMiT flex-s
(LRFS-C1000)



Technical drawing of a bent pipe. A vertical dimension line on the left indicates a height of 2.4. The pipe is shown in a bent configuration, with a horizontal section on the right and a vertical section on the left. A dashed red line is visible in the horizontal section.

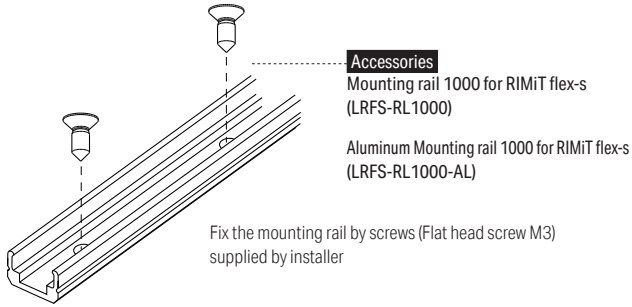


| Item / Product Name | Luci RIMIT flex IP65 |
|---------------------------------|--|
| Model No. | LRFS-T1000W-~-DF-O-4 |
| Wattage (Ta=25°C) | 4.5 W |
| Input current (A/m) | 188 mA (Max.) |
| Length (L1000) | 1022 mm |
| Weight (L1000) | 47 g / 1022mm |
| Number of LED | 320 |
| Max. connectable Length per run | 4 m |
| Operating temperature | 0°C to 35°C |
| Environment | In/Outdoor (No Condensation), IP65 |
| Material | Silicone |
| Attachments | - |
| Accessories | Mounting clip, Mounting rail, Aluminum mounting rail, Rail cover Custom order : Lead wire length |
| Light source color | Natural white 4100K(N), White 3400K(W), Warm white 3000K(WW), Warm white 2700K(L30), Warm white 2400K(L27), Warm white 2200K(L24) |
| Dimmable | Yes (0-10V, 1-10V, DMX, DALI, PWM, Casambi) |

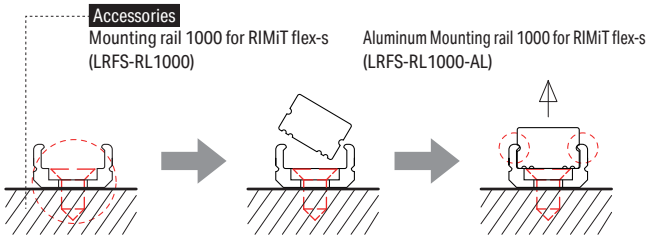
| Max. connectable length per PSU | |
|--|-------|
| Length of LED fixture (70% loading factor) *: split into multiple circuits | PSU |
| 4.5 W/m | |
| 7.8 m* | 50 W |
| 15.6 m* | 100 W |
| 23.4 m* | 150 W |

Installing the product

| |
|---------------|
| Mounting rail |
|---------------|

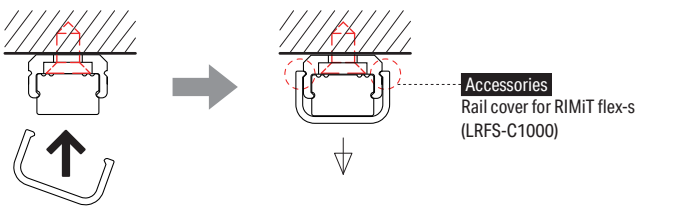


For upward installation



Insert the LED fixture into the mounting rail by sliding it in at an angle while pushing it. Fit the dashed circle properly.

For downward or vertical installation



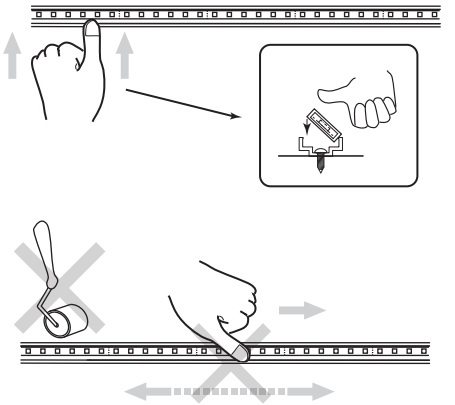
To prevent detachment, use a rail cover. After attaching the LED fixture into the rail, insert the rail cover at an angle while gently spreading it open. Ensure the dashed circle is hooked.



Important Instructions for Installing and Removing LED Fixtures

- Do not forcefully slide the LED fixtures along the rail.
Prolonged pulling force on the fixture can cause issues such as circuit board damage and LED failure.

1. Insert the LED fixture into the mounting rail at an angle (*Note 1*).
2. Press the side of the LED fixture downward into the rail using your thumb.
3. Do not use a roller or other tool to install the LED fixture into the rail while pulling in the longitudinal direction.
4. Do not apply pressure to the lighting surface as the tube is made of soft material.
5. When removing the LED fixture from the rail, insert your fingers between the rail and the fixture and gently lift it away.

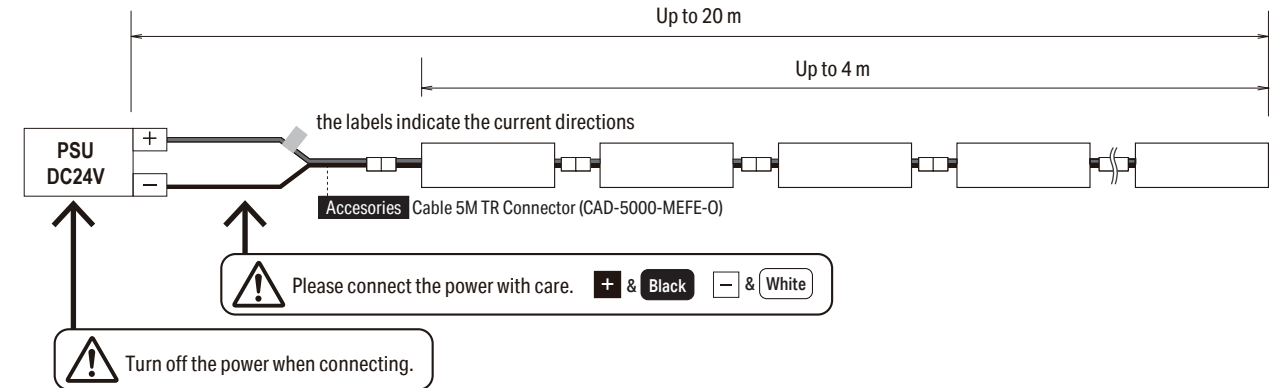


System configuration diagram

Series connection

Up to 20 m

Up to 4 m



 Turn off the power when connecting.

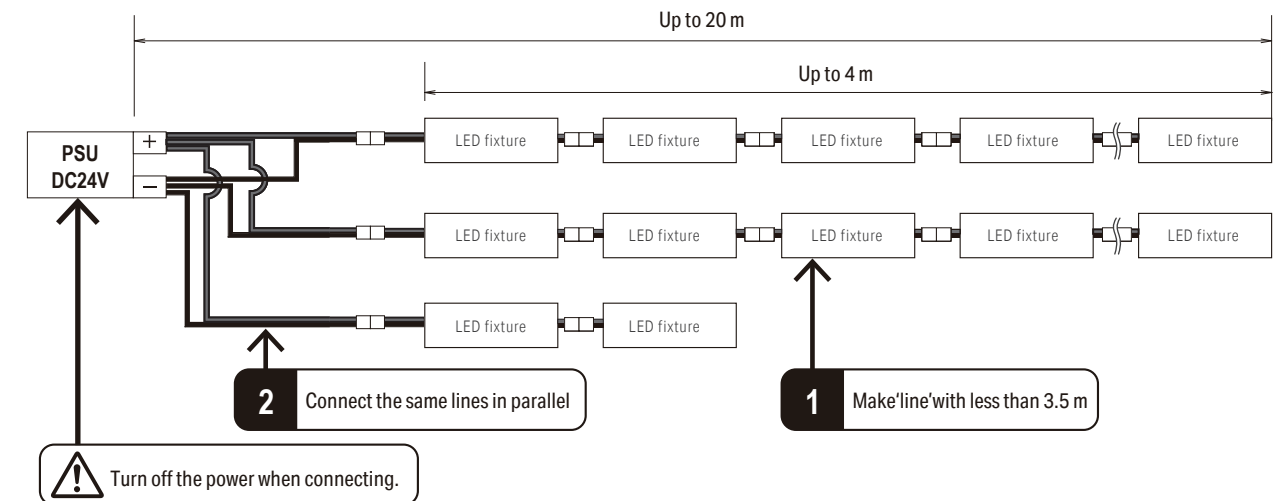
Please connect the power with care. & &



Parallel connection Up to 4 m

Up to 20 m

Up to 20 m



Caution : Must choose suitable power supply

■ Cables used for connecting light fixtures and Power supply must be a suitable type and gauge.

■ Cables should be joined with suitable terminal block or methods as appropriate to the installation and operating environment.

Caution: When using a long cable with thin dimension, the resistance of cable will increase. Voltage drop and heat discharging may occur and result in a drop in brightness.

Caution: When separating one cable to multiple circuits in the same gauge, the current loading focuses on the junction of the branch circuit and high temperature will liberate on there. Please consider the loading of the power supply (quantity of light fixture) and review the wiring system to avoid the above problem.

■ When connecting the dimmer driver with power supply, unpredicted noise might occur. It is a characteristic of electronic devices, not a malfunction of the light fixture. Please choose an appropriate power supply and consider to have enough space to install. Reducing the loading factor of light fixture might improve the noise from the power supply while the noise for the light fixtures might be improved by splitting the circuit of light fixtures into multiple.

■ When you adjust the length of the power supply cable, please be careful not to damage the core wire.

■ When the cable is bundled, heat dissipation becomes poor and the temperature becomes extremely high. When bundling 5 cables or more, connect less number of light fixture for one cable.

