



# Luci RIMiT flex 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**.



⚠ 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.

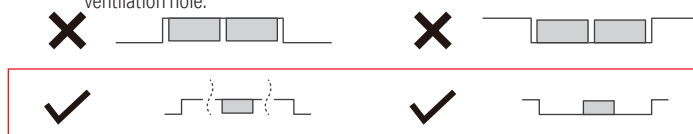
⊘ Important notice for storage  
Please ensure the fixture is stored within -10°C to 55°C  
Please do not store the carton or the packages of our light fittings in the following conditions :  
- Wet location  
- Places of high humidity  
- Dusty or dirty places  
- Place that sunlight is directly exposed.  
- 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.

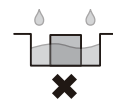


⊘ Do not use the product if the cover is damaged. Risk of an accident and electrical shock. Avoid spraying detergent directly on the LED fixture. If this happens, immediately rinse with water.

⊘ 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

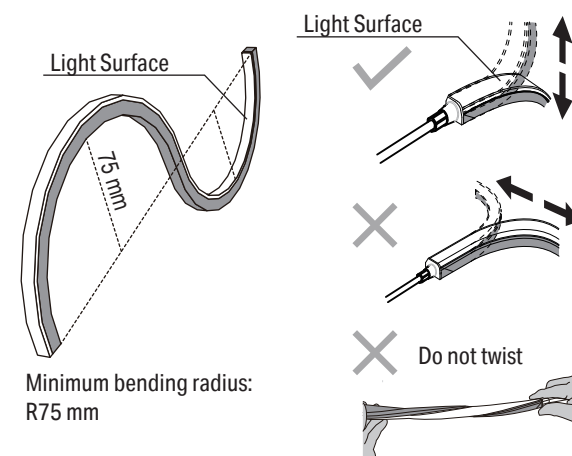
- Is LED operating normally?
- Is there any unusual smell, sound or heat?
- Are there cracks, slits, or detached parts on any part or joint?

#### 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.

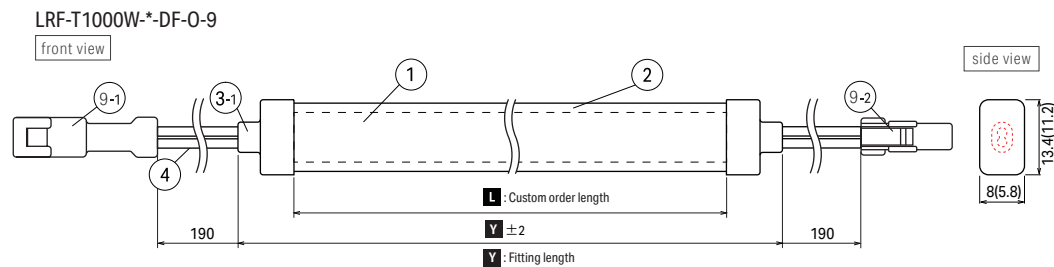




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# Instruction Manual

## Product specification

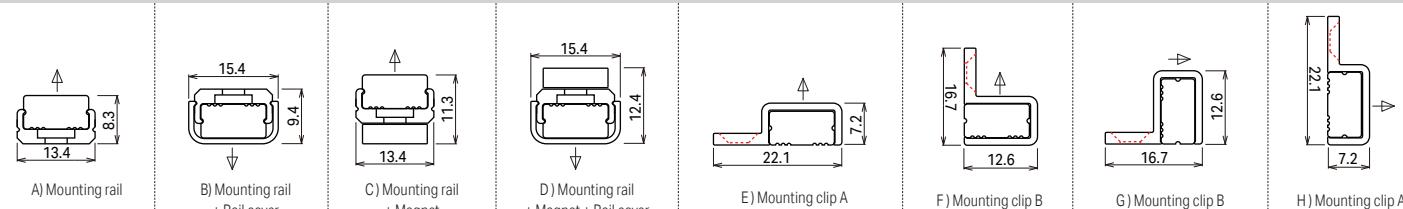


Input Voltage		
DC24V		
No.	Item name	Material etc.
①	Body	Flexible circuit board
②	Tube	Silicone, Diffuser / White
③	Cap	Silicone, Diffuser
④	Lead wire	UL1007 AWG26 Black:+ White:-
⑤	Mounting clip A	Polycarbonate, Clear
⑥	Mounting clip B	Polycarbonate, Clear
⑦	Rail cover	Polycarbonate, Clear
⑧	Mounting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

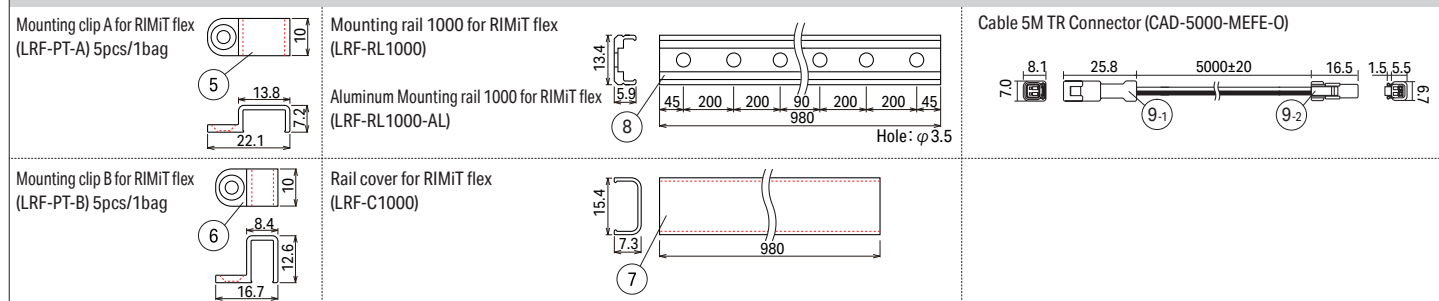
**Connector**

Technical drawings of the connector for the 1000 Series. The drawings show the connector from three perspectives: side, top, and bottom. Dimensions are provided in millimeters. The side view shows a width of 8.1 mm, a length of 25.8 mm, and a height of 7.0 mm. The top view shows a width of 16.5 mm, a height of 1.5 mm, and a depth of 5.5 mm. The bottom view shows a width of 9.1 mm and a depth of 9.2 mm. The connector is labeled '1000'.

### Installation dimensions (Side view)



## Accessories

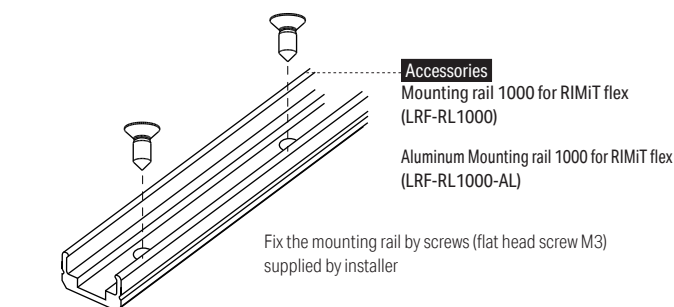


Item / Product Name	Luci RIMiT flex IP65
Model No.	LRF-T1000W-*DF-O-9
Wattage (Ta=25°C)	9.7 W
Input current (A/m)	404 mA (Max.)
Length (L1000)	1022 mm
Weight (L1000)	67 g / 1022mm
Number of LED	320
Max. connectable Length per run	4 m
Operating temperature	0°C to 35°C
Environment	In/Outdoor (No Condensation), 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)

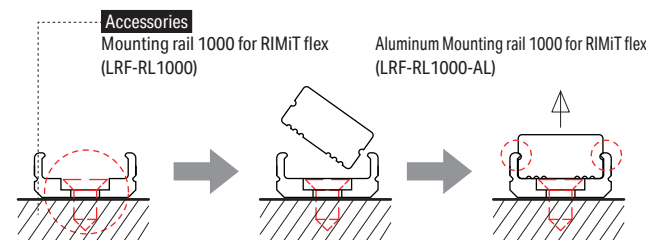
Max. connectable length per PSU	
Length of LED fixture (70% loading factor) *: split into multiple circuits	PSU
9.7 W/m	
3.6 m	50 W
7.2 m*	100 W
10.8 m*	150 W

## Installing the product

### Mounting rail

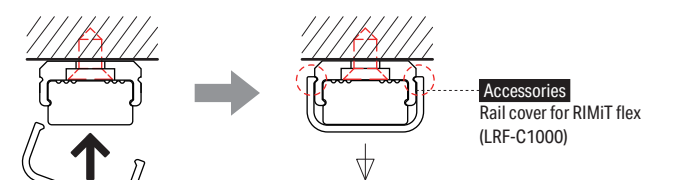


For upward installation



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



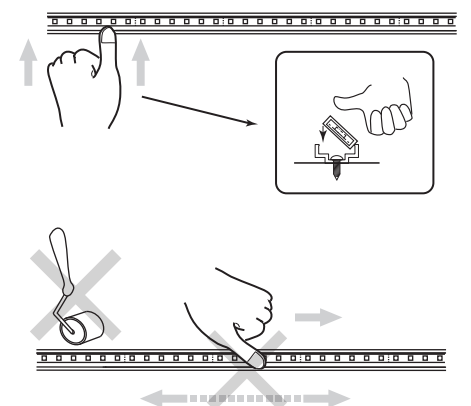
To prevent detachment, use a rail cover. After attaching the lighting fixture into the rail, insert the rail cover at an angle while gently spreading it open. Ensure the dashed circle is hooked.



### Important Instructions for Installing and Removing LED Fixture:

- Do not forcefully slide the lighting fixtures along the rail.  
Prolonged pulling force on the fixture can cause issues such as circuit board damage and lighting 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 4 m



Please connect the power with care.  &   & 

Turn off the power when connecting.

Fix the light fixture with mounting clips and screws (flat head screws M3) supplied by installer

\* If a part of the lighting fixture sags or deforms, use more clips.

\* Do not use mounting clips A or B when installing the lighting fixture with the light-emitting surface facing downward to avoid sagging, deformation, or malfunction of the fixture.

Parallel connection Up to 4 m

Recommended mounting position (pitch: 20mm to 240mm, quantity: 2 to 5 pieces) depends on the length of the LED fixture.

Diagram illustrating a bus structure with segments of 25, 240, 240, 240, and 25, totaling 1012.

Caution : Must choose suitable power supply

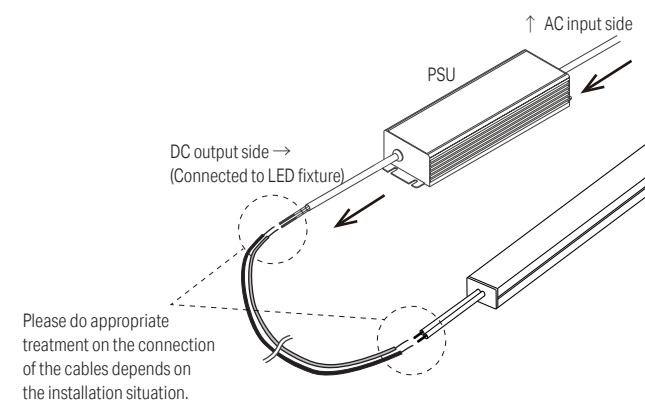
- Cables used for connecting light fixtures and Power supply must be a suitable type and gauge.
- Cables should be joined with suitable terminal block or methods as appropriate to the installation and operating environment.

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.

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



Please do appropriate treatment on the connection of the cables depends on the installation situation.

Up to 20 m

Up to 4 m

PSU

**2** Connect the same lines in parallel

**1** Make 'line' with less than 3.5 m

Turn off the power when connecting.