



Luci RECTA

Instruction Manual

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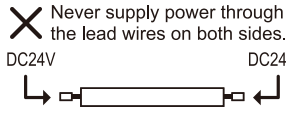
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To ensure safe usage

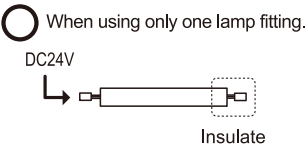
The following is the safety cautions to prevent any harms or damages to others.
If the product is used against cautions, it may cause damages • electrifications • smoke.

**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 lamp fitting, insulate the unused lead with self-adhesive tape or vinyl tape.



Never supply power through the lead wires on both sides.



When using only one lamp fitting.

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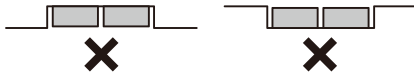
Use a DC24 V power supply.
Do not connect to other types of power supply.
Always use a circuit breaker of suitable capacity in the power supply.
If the capacity is not suitable, the breaker may not work when abnormal current occurs, creating risk of fire.
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Always shut off the main power supply before performing work or inspection.
Do not connect or disconnect the lead wires of the lamp fitting while power is supplied.
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Firmly insert and connect the connectors.
Incomplete connection may cause heating, smoke, and fire.
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Do not touch the ends of the connectors. Risk of electrical shock.
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If you touch the product for a long time, there is a danger of low temperature burns.
When installing the product in a place where it can be easily touched, please take measures to prevent contact.
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The product must be allowed to dissipate heat.
Allow sufficient space for ventilation (heat dissipation) between the LED fixture and building structure.
Highly recommend not to be recessed on the wall.
Avoid installing the light appliances close to each other.
It may shorten product life or cause fire.
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When there is abnormal situations, please cut off the power immediately, consult with electricians, and do not touch the LED fixture with hands.
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Do not place flammable objects such as cloth or paper or a insulating material on top or cover the lighting device. It may cause the LED fixture to not turn on or catch fire.
Do not put a piece of metal or a flammable object in clearance of the LED fixture. The outline of the LED fixture main unit must not contact equipment in or out of the ceiling. It may cause fall, electric shock, or fire. Do not operate the fixture with wet hands. It may result in an electric shock.
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Do not use the product if the cover is damaged.
Risk of an accident and electrical shock.
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Do not use a brush or an abrasive to polish metal parts.
Risk of damage and corrosion.
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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.
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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.
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This lamp fitting is for indoor use only.
Do not use in the following environments:
- Outdoors
- A location at high temperature (+35°C or higher)
(usage environment temperature is 0°C to 35°C).
- A location where water may splash onto the product.
- A location with high humidity.
- A dusty location.
- A location with corrosive or inflammable gases.
- A highly airtight location.
- A location where the product is directly exposed to salt water or organic solvents.
- A location where the product is exposed to direct sunlight.
- 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.
- 

Do not do the following to the lamp fitting:
- 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.
- Press down on 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 lamp fitting 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 regarding installation environment of power supply

Regarding the temperature, humidity, and other conditions of the operating environment, follow the instructions in the manual for the power supply.

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.

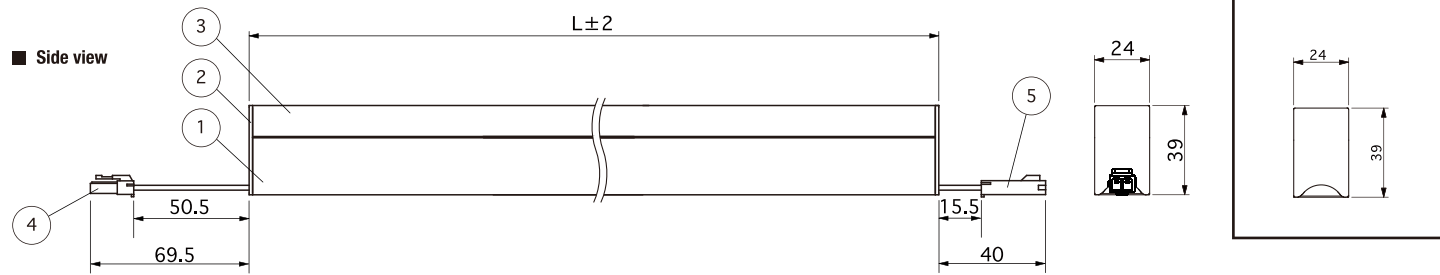
Product specifications

unit of measure=mm

Front view

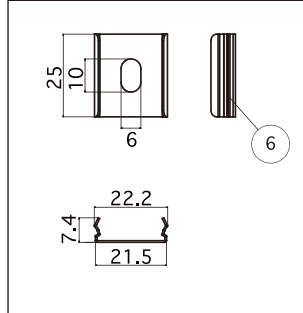


Side view

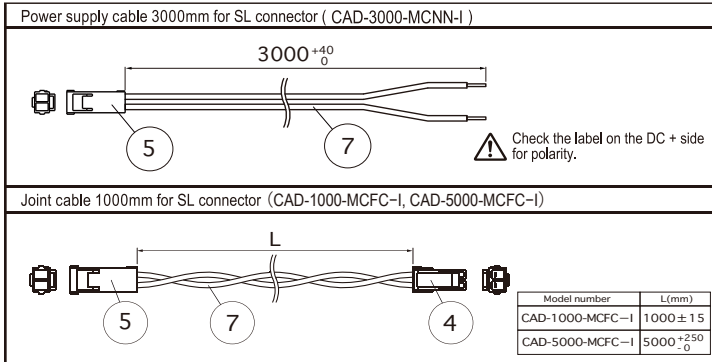


Accessories • Option parts

Mounting parts A (LTH-PTA) (2pcs/1bag) ※2pcs included



Option parts

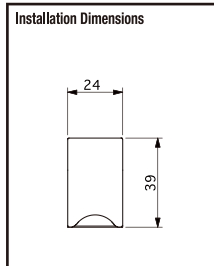


#	Item	Name Materials etc.
①	Body	Aluminum (Silver)
②	Side cover	Polycarbonate, Diffuser
③	Cover	Polycarbonate, Diffuser
④	Connector	UL94 V-2 White
⑤	Connector	UL94 V-2 White
⑥	Mounting parts	Stainless steel
⑦	Lead wire	UL1007 AWG20



Input voltage

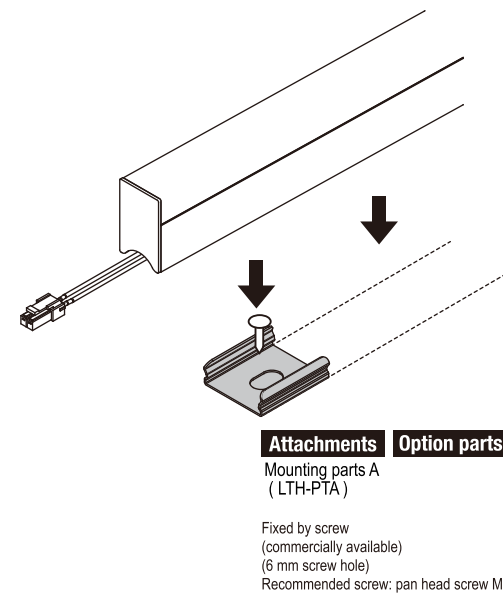
DC24V



Installing the product

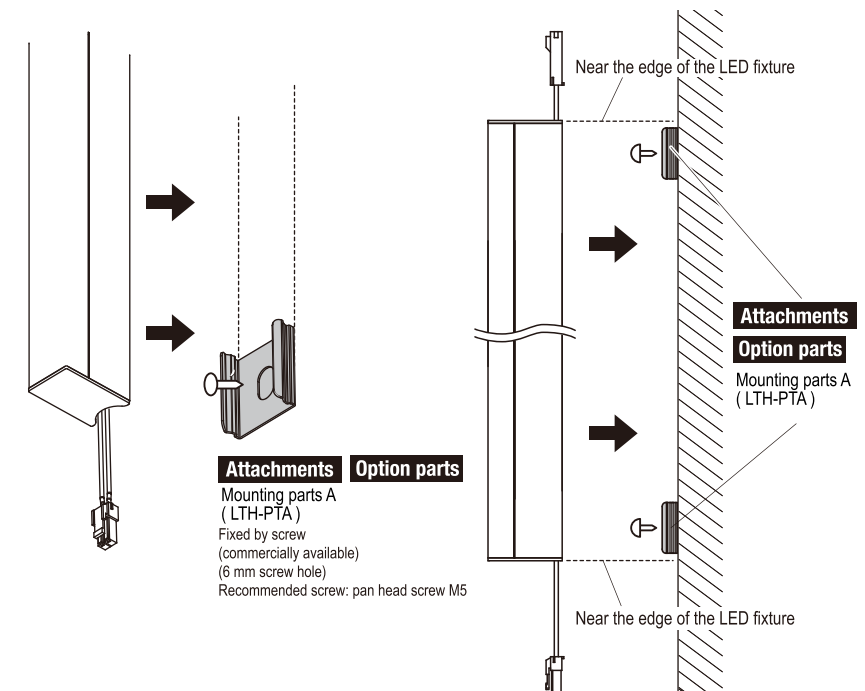
For horizontal LED fixture installation

Mark the center line for the LED fixture on the installation surface, then aligned the mounting parts A using the line as the center point. Fix the mounting parts A by screw supplied by installer (Pan head screw M5), then install the LED fixture on the mounting parts A.



For vertical LED fixture installation

Mark the center line for the LED fixture on the installation surface, then aligned the mounting parts A using the line as the center point. Fix the mounting parts A by screw supplied by installer (Pan head screw M5), then install the LED fixture on the mounting parts A. In order to prevent displacement, attach the mounting parts A near the edge of the LED fixture.



⚠ Cautions

To avoid the mounting parts A being deformed, do not over-screw the screws do not use countersunk screw and do not install the LED fixture forcefully when the mounting parts A is misaligned. When using deformed Mounting parts A, the LED fixture may drop from the Mounting parts A. Make sure the LED fixture is fixed tightly after installation.

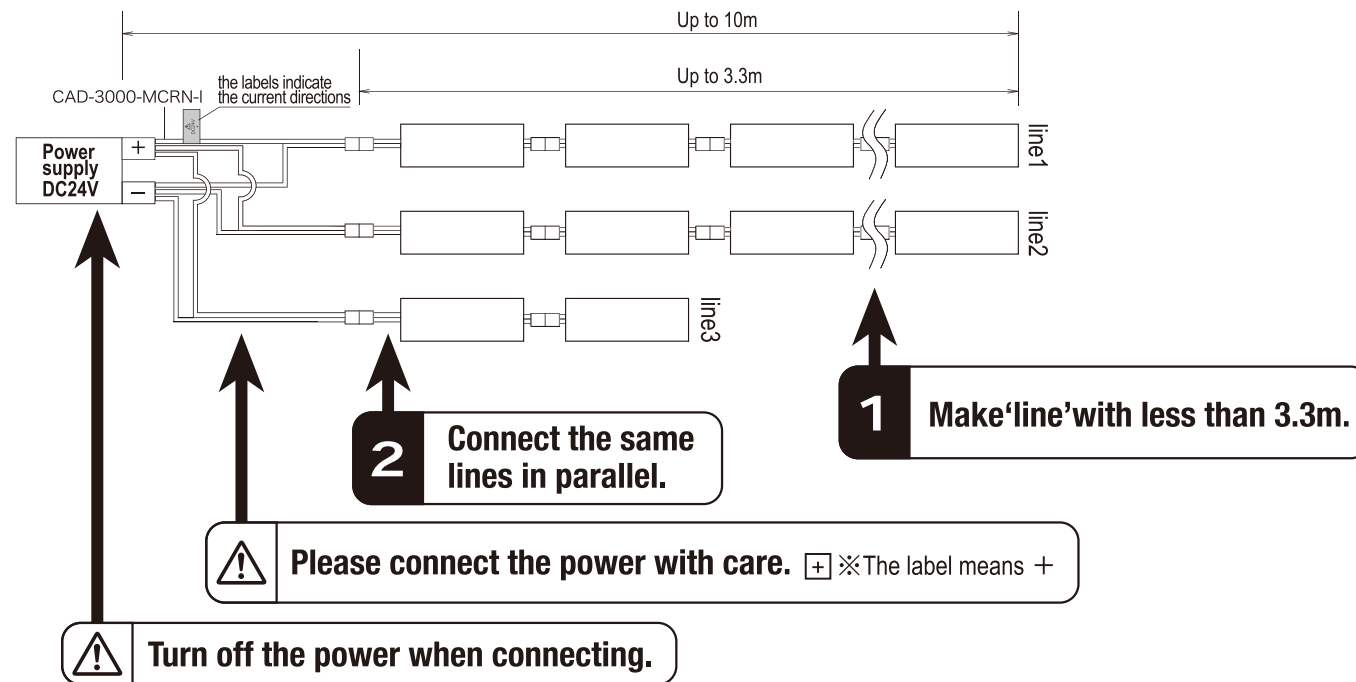
⚠ Cautions

- 1) When install the mounting clips, ensure that those are installed in the same level on a plane surface and alined on the centre line.
- 2) When install the LED fixture on the mounting clip, ensure to insert onto the clip tab and check if it is completely attached.

Otherwise, caused by that distortion and incomplete attachment, the LED fixture might have unexpected crack sound and fall down from the clips.

Item / Product Name	Luci RECTA				
Model No.	LRE-0103- *-DF-I	LRE-0205- *-DF-I	LRE-0306- *-DF-I	LRE-0407- *-DF-I	LRE-0503- *-DF-I
Power consumption	3.1W	6.2W	9.3W	12.5W	15.6W
Input current	0.13A (Max)	0.26A (Max)	0.39A (Max)	0.52A (Max)	0.65A (Max)
Lamp fitting length (L)	103mm	205mm	306mm	407mm	503mm
Number of LEDs	12	24	36	48	60
Weight	50g	90g	140g	180g	220g
Item / Product Name	Luci RECTA				
Model No.	LRE-0604- *-DF-I	LRE-0705- *-DF-I	LRE-0806- *-DF-I	LRE-0907- *-DF-I	LRE-1003- *-DF-I
Power consumption	18.7W	21.8W	24.9W	28.0W	31.2W
Input current	0.78A (Max)	0.91A (Max)	1.04A (Max)	1.17A (Max)	1.3A (Max)
Lamp fitting length (L)	604mm	705mm	806mm	907mm	1003mm
Number of LEDs	72	84	96	108	120
Weight	260g	310g	350g	390g	420g
Max. sets connectable	3.3 m				
Ambient temperature	0°C~+35°C (No Condensation)				
Environment	Indoors				
Material (Body)	Aluminum, Polycarbonate				
Attachments	Mounting parts A				
Option parts	Mounting parts A, Power supply cable 3000mm for SL connector, Joint cable 1000mm／5000mm for SL connector				
Dimmable	Yes				
Power Supplies	Required				
Light source color (※)	Natural light(N), White(W), Warm white 3500K(WW), Warm white 3000K(L30), Warm white 2700K(L27), Warm white 2400K(L24)				

Connecting lamp fittings



⚠ Cautions

The number of LED fixture that can be connected to the power supply depends on the output (W) of the power supply. For Luci RECTA, the **maximum number connectable in series is 3.3 m**. If more than the maximum number must be connected, connect in separate systems.

LED fixture lengths (103, 205, 306, 407, 503, 604, 705, 806, 907, 1003) can be combined freely; however, the maximum number of meters connectable in series (3.3 m) must be strictly observed.

Small noise may be emitted from the appliance and the dimmer while using the dimmer, but it is normal. Load capacity of 60% is recommended to reduce noise.(normal operation: 70%), or to connected with multiple systems.

Power supply	Total connectable length	
	Normal operation	During dimmer use
50W	1.1m	0.9m
100W	2.2m	1.9m
150W	3.3m	2.8m

Connecting to the power supply

Caution: Installation environment of power supply

Follow the instructions in the manual for the power supply regarding the temperature, humidity, and other operating environment conditions.

■ Cables used for connecting LED 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 dispatching may occur and result in brightness decreasing.

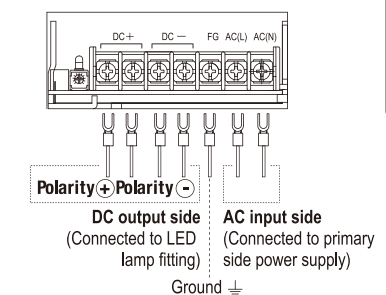
Caution: When separating one cable to multiple circuits in the same gauge, the current loading focuses on the junction of the branch circuit and high temperature will liberate on there. Please consider the loading of the power supply (quantity of LED fixture) and review the wiring system to avoid the 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 LED fixture. Please choose an appropriate power supply and consider a place to install. Reducing the loading factor of LED fixture might improve the noise from the power supply while the noise for the LED fixtures might be improved by splitting the circuit of LED 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 by lowering the load factor (number of connected devices).

Ex: 150W dedicated power supply connection section details



⚠ Important!

Check with the labels indicating the current directions and be sure to correctly connect to the power supply.

