



Luci THOF

Instruction Manual

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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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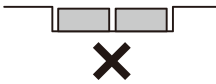
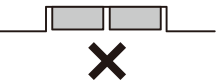

Use a DC24 V power supply.
Never connect to any other power supply.
Always use a circuit breaker of suitable capacity in the power supply.
If the capacity is not suitable, the breaker may not work when abnormal current occurs, creating risk of fire.
- 


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.
- 


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


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


The product must be allowed to dissipate heat.
Allow sufficient space for ventilation (heat dissipation) between the lamp fitting and building structure.
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 lighting with hands.
- 


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.
- 


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


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.
- 

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.
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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.
- 

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

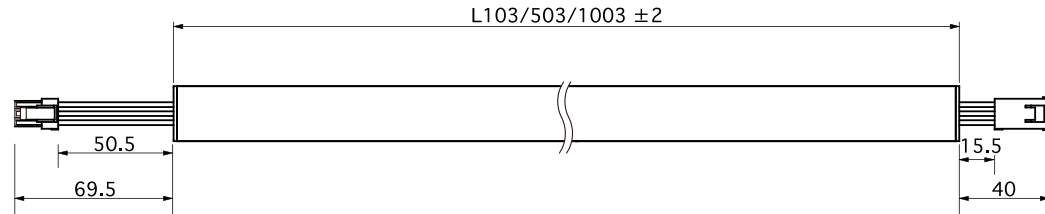
Lightly wipe the lighting apparatus with a soft cloth.

- 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.

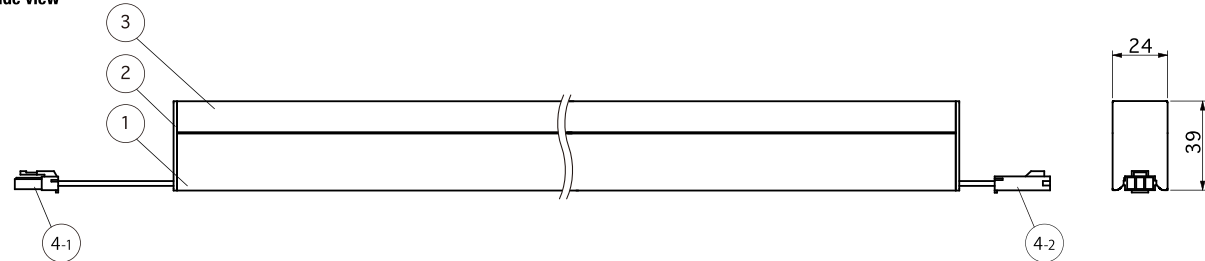
Product specifications

unit of measure=mm

■ Front view



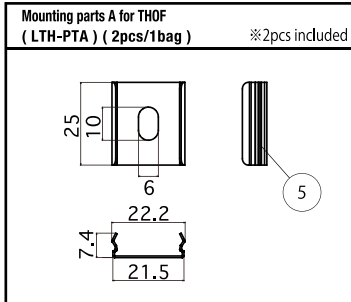
■ Side view



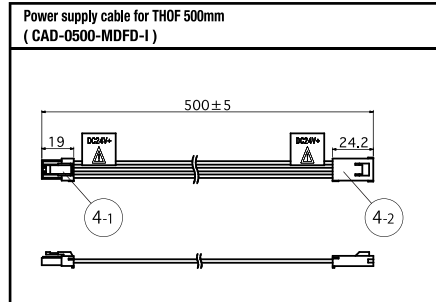
Input voltage

DC24V

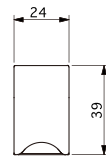
■ Accessories • Option parts



■ Option parts



Installation Dimensions



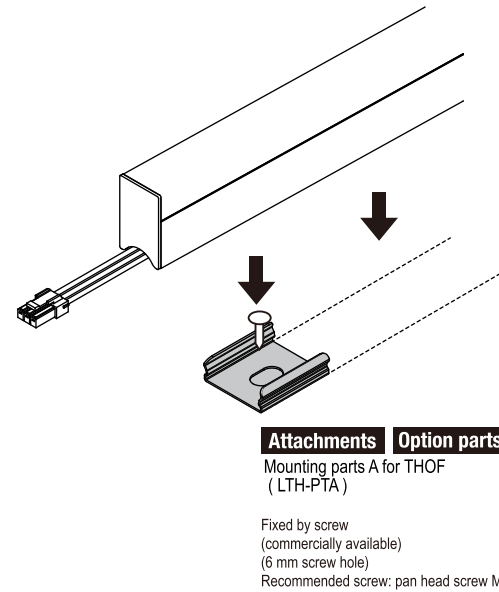
#	Item	Name Materials etc.
①	Body	Aluminum (Silver)
②	Side cover	Polycarbonate, Diffuser
③	Cover	Polycarbonate, Diffuser
④	Connector	UL94 V-2 White
⑤	Mounting parts	Stainless steel

Item / Product Name	Luci THOF		
Model No.	LTH-0100-**-DF-I	LTH-0500-**-DF-I	LTH-1000-**-DF-I
Power consumption	3.1W	15.6W	31.2W
Input current	0.1A (Max)	0.7A (Max)	1.3A (Max)
Lamp fitting length (L)	103mm	503mm	1003mm
Number of LEDs	12	60	120
Weight	50g	210g	400g
Max. sets connectable	4 m		
Ambient temperature	0℃～+35℃ (No Condensation)		
Environment	Indoors		
Material (Body)	Aluminum, Polycarbonate		
Attachments	Mounting parts A for THOF		
Option parts	Mounting parts A for THOF, Power supply cable for THOF 500mm		
Light source color (※)	Natural white (N:5000K), White (W:4000K), Warm white (WW:3500K), Warm white (L30:3000K), Warm white (L27:2700K), Warm white (L24:2400K)		

Installing the product

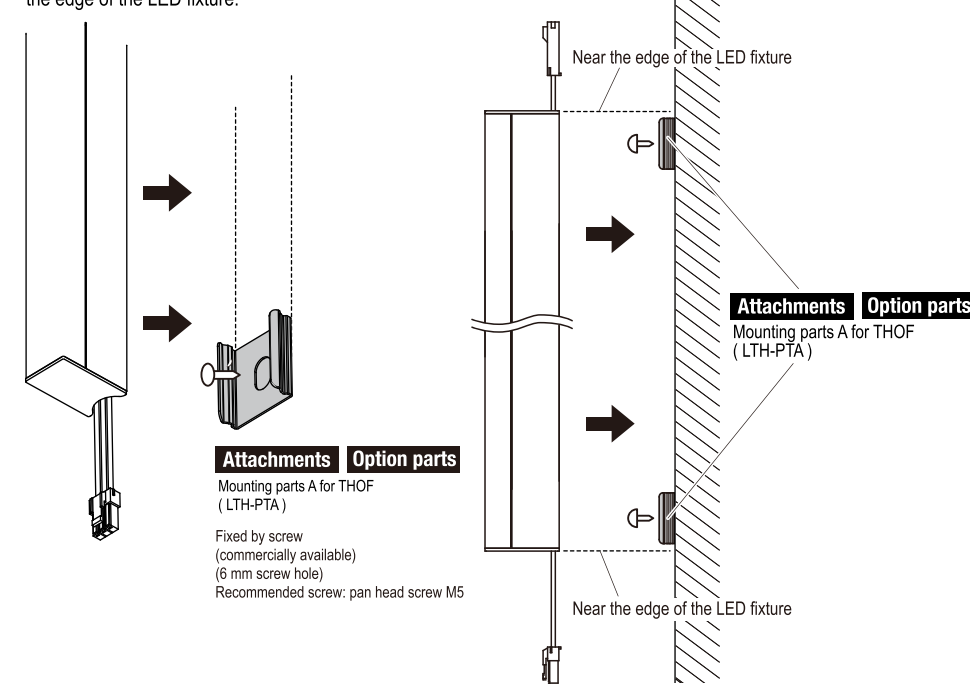
For horizontal LED fixture installation

Attach installation parts A with screws and insert the LED fixture.



For vertical LED fixture installation

Attach installation parts A with screws and insert the LED fixture. In order to prevent displacement, attach the installation parts A near the edge of the LED fixture.



⚠ Cautions

Pay attention on the displacement and deformation of the Mounting Clip A while installing. 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.

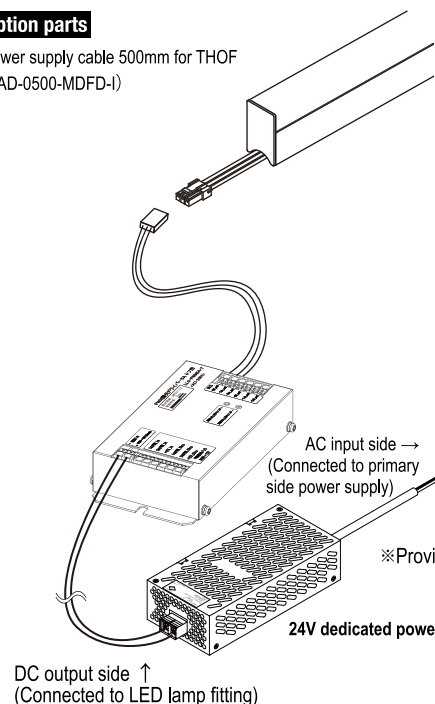
Connecting to the power supply

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.

Option parts

Power supply cable 500mm for THOF (CAD-0500-MDFD-I)



※Provide a 2-core cable.

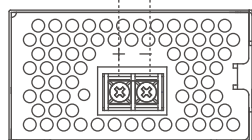
24V dedicated power supply

DC output side ↑
(Connected to LED lamp fitting)

Cautions

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

Polarity + Polarity -



Ex: 150W dedicated power supply connection section details

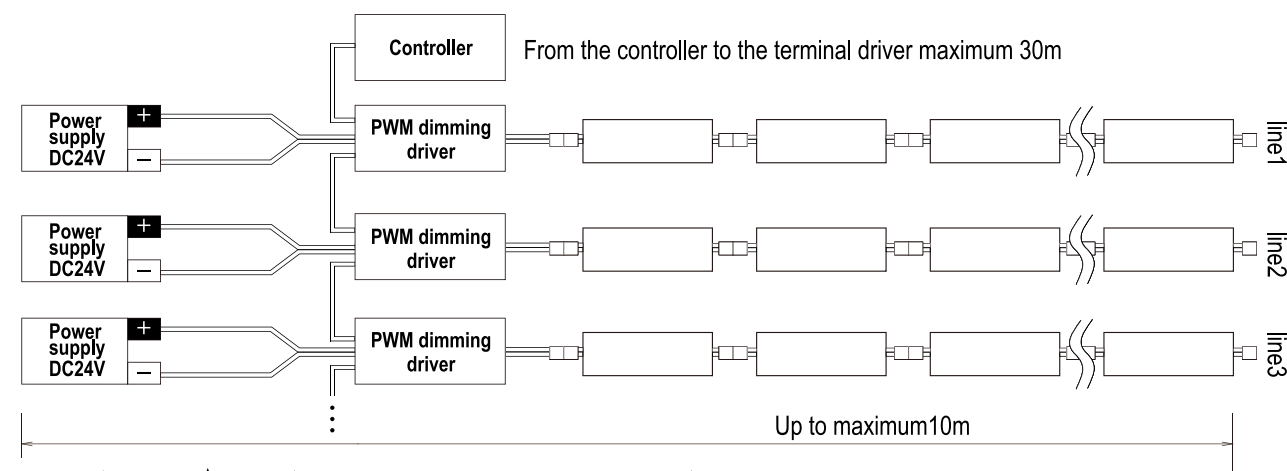
About the connection cable

Cable thickness and allowable current (reference value according to manufacturer documentation)
Ambient temperature 30°C

	VCTF-2C-□sq		
Conductor nominal cross-section area	0.75	1.25	2
Max. allowable current (A)	7	12	17

- 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.
- Thick, short wiring is ideal. 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).
- Divide connection to the DC output side terminals into 2 to 4 systems so that wire of the same size as the cable connecting to the Luci product body or a little thicker is connected. Connection with maximum VCTF-2C-2.0sq is recommended.
- To prevent electrical shock and noise, be sure to correctly connect the L (live), N (neutral), and FG terminal of the AC input correctly.
- Use terminals (R-type, U-type, etc.) to connect to a power source.

Connecting lamp fittings



2 Connect the same lines in parallel.

1 Make 'line' with less than 4m.

⚠ Please connect the power with care.



※The label means +

⚠ Turn off the power when connecting.

Cautions

The number of lamp fittings that can be connected to the power supply depends on the output (W) of the power supply.
For Luci THOF, the **maximum number connectable in series is 4 m**.
If more than the maximum number must be connected, connect in separate systems.
Lamp fitting lengths (100, 500, 1000) can be combined freely; however, the maximum number of meters connectable in series (4 m) must be strictly observed.

Power supply	Total connectable length	
	During dimmer use	Normal Operation
50W	~1.2 m	~1.1 m
75W	~2 m	~1.6 m
100W	~2.5 m	~2.2 m
150W	~4 m	~3.3 m