



Luci silux K(4.3W/m)

Instruction Manual

Luci Pte. Ltd. Singapore World HQ
52A Tanjong Pagar Road, Singapore 088473
Tel:+65-6291-2410

Luci CO.,LTD.
Tokyo Japan Regional HQ
Akasaka Bldg. 4F, 4-13-13, Akasaka, Minato-ku,
Tokyo 107-0052, Japan
Tel:+81-3-6327-7409 Fax:+81-3-6327-7410

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

 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.





 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.


 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 put 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 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.

※unit of measure=mm



#	Item	Name Materials etc.
①	Body	Aluminum (alumite treatment)
②	Body cover	Polycarbonate, Diffuser
③	Side cover	Polycarbonate, Diffuser
④	Lead Wire	UL1007 AWG22
⑤	Connector	UL94 V-2 White
⑥	Magnet	Neodymium magnet
⑦	Mounting Clip	Polycarbonate, Clear
⑧	Mounting Clip (Liftclip)	Polycarbonate, Clear
⑨	Lead Wire	UL1007 AWG20
⑩	Mounting Clip (Outercfp)	Polycarbonate, Clear

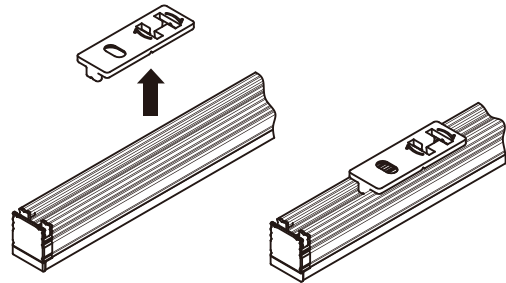
Installation Dimension
(Side View)

Item / Product Name	Luci Silux K(4.3W/m)				
Length	0074	0259	0388	0509	0573
Model No.	LSXK-0074-※-DF-I-4	LSXK-0259-※-DF-I-4	LSXK-0388-※-DF-I-4	LSXK-0509-※-DF-I-4	LSXK-0573-※-DF-I-4
Power consumption	0.3W	1W	1.6W	2.1W	2.4W
Input current	0.02A	0.05A	0.07A	0.09A	0.10A
Lamp fitting length (L)	74mm	259mm	388mm	509mm	573mm
Number of LEDs	14	49	77	98	112
Weight	15g	40g	59g	76g	84g
Item / Product Name	Luci Silux K(4.3W/m)				
Length	0702	0823	1008	1137	1451
Model No.	LSXK-0702-※-DF-I-4	LSXK-0823-※-DF-I-4	LSXK-1008-※-DF-I-4	LSXK-1137-※-DF-I-4	LSXK-1451-※-DF-I-4
Power consumption	3W	3.5W	4.3W	4.9W	6.3W
Input current	0.13A	0.15A	0.18A	0.21A	0.27A
Lamp fitting length (L)	702mm	823mm	1008mm	1137mm	1451mm
Number of LEDs	140	161	196	224	287
Weight	110g	120g	145g	160g	206g
Light source color (※)	Natural white(N), White (W), Warm white 3500K(WW), Warm white 3000K(L30), Warm white 2700K(L27), Warm white 2400K(L24), Warm white 2100K(L21)				
Environment	Indoors (No Condensation)				
Operating temperature	0℃～+35℃ (No Condensation)				
Max. sets connectable	6m				
Material (Body)	Aluminum (alumite treatment), Polycarbonate				
Accessories	Multiclip K : 3pcs for 702mm or shorter, 5pcs for 823mm or longer				
Option parts	Power supply cable 3000mm, Joint cable 1000mm/5000mm, Multiclip K(3pcs / 1bag), Liftclip(2pcs / 1bag), Outerclip(5pcs / 1bag), Magnet attachment				
Dimmable	○				
Power Supplies	○				
Certification	CE				

Installing the product

For horizontal installation

Multiclip K installation: behind fixing



1. The mounting clip should be preset on the installation spot with screws supplied by installer.
(Flat head screws M3 recommended)
Required number of clips is 4pcs per 1m. Each distance of number of clips should not be exceeded 300mm.
2. Snap the LED fixture on the mounting clip.
Ensure click should when inserting.
3. Check if the LED fixture is fixed surely, not being rattled or having distortion.
When detaching LED fixture, please be careful not giving any damage on clips.

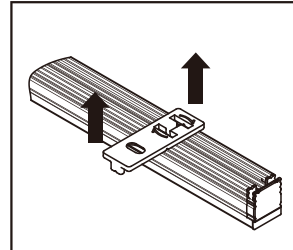
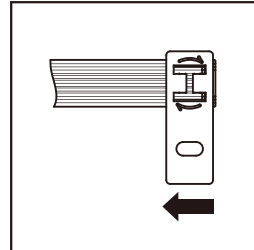
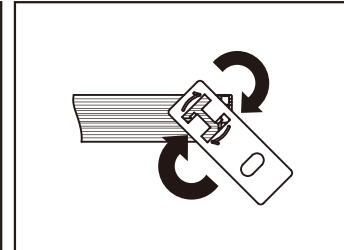
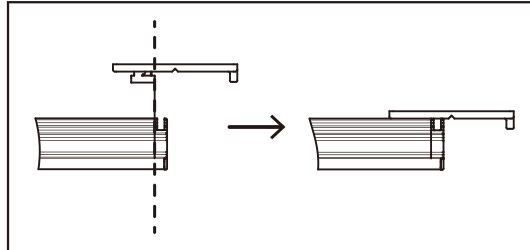


Cautions

Do not repeatedly attach and detach the LED fixture to the multiclip K. The clip tab may be damaged in case repeating it more than 5 times.

Multiclip K installation: side fixing

For installation with protruding edge, Multiclip K installation should follow the diagram below.



- (1) Insert the multi-clip K at the spot shown in the upper diagram.
Ensure click should when inserting.

- (2) Rotate the Multiclip K in 90 degrees in the direction as the arrow mark shown on the back of the Multiclip.

- (3) Slide the Multiclip to the desired fixing position.

- (4) Use the recommended screws supplied by installer to fix the Multiclip with the LED fixture.
(Flat head screws M3 recommended.) Required number of clips is 4pcs per 1m. Each distance of clips should not be exceeded 300mm.



Cautions

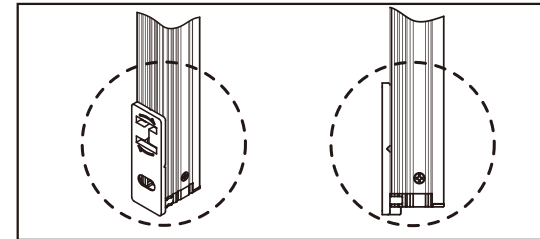
**Do not rotate the clip more than 90 degree or opposite derection of the arrow.
The clip may be damaged and unusable.**

Installing the product

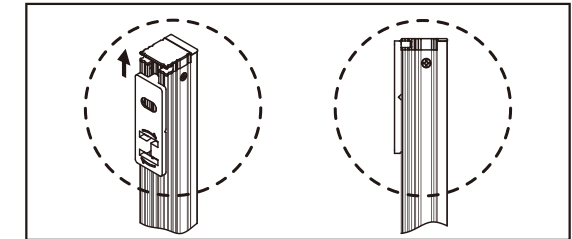
For vertical installation

Multiclip K installation: behind fixing

For vertical installation, make sure the top and bottom of LED fixture hook on the edge of the Multiclip K in accordance with the diagram.
Caution: If the weight of the LED fixture is not supported by the edge of the Multiclip, it may slide down fall.



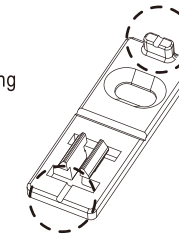
Bottom



Top

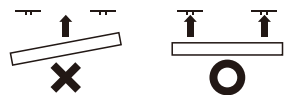
Marking function

The two grooves of Multiclip K can be used for installing the clip straight aligned on the center line.



Cautions

When installing the light appliance to the installation spot, ensure that it is kept level and insert onto the clip tabs. Check if it is completely attached.

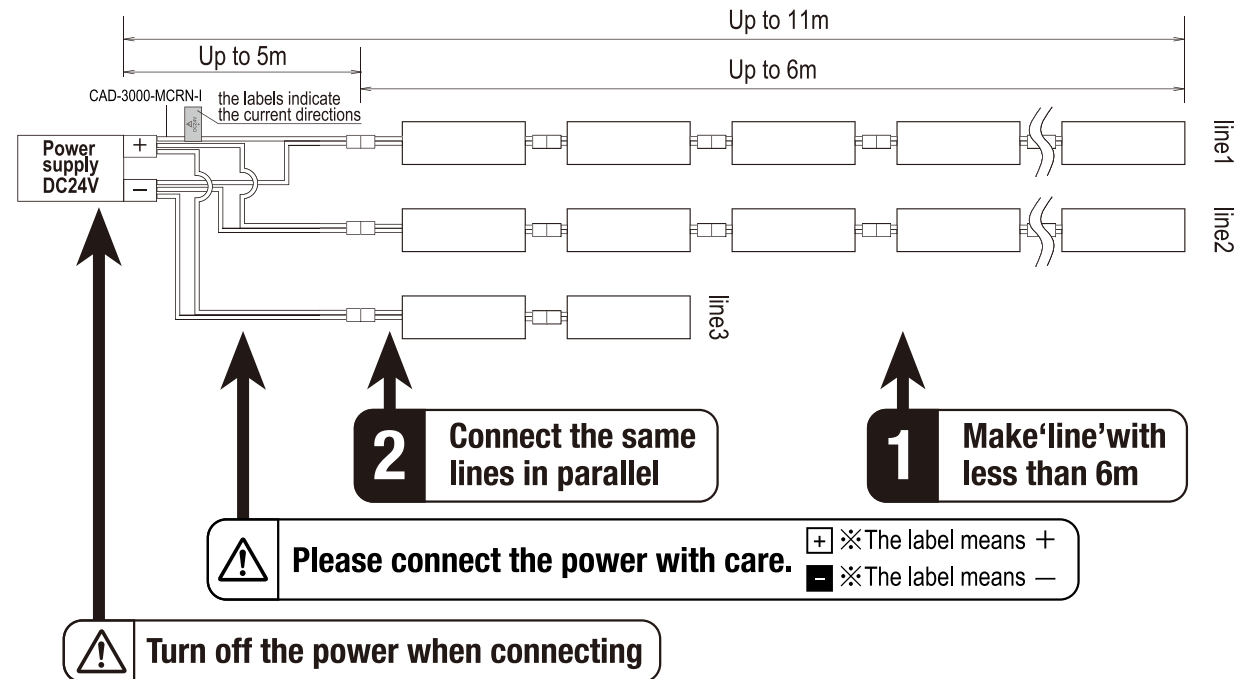


Cautions

- 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 lamp fittings



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 silux K, the **maximum number connectable in series is 6 m**. If more than the maximum number must be connected, connect in separate systems.

Lamp fitting lengths (74, 259, 388, 509, 573, 702, 823, 1008, 1137, 1451) can be combined freely; however, the maximum number of meters connectable in series (6 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.

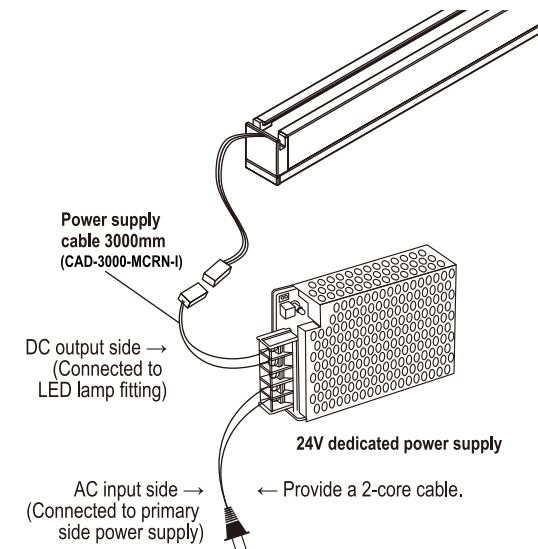
Power supply	Max. connectable length per power supply	
	Normal operation	During dimmer use
50W	~8.7m*	~7.5m*
100W	~17.5m*	~15.0m*
150W	~26.2m*	~22.5m*

* : split into multiple circuits

Connecting to the power supply

Caution: Installation environment of power supply

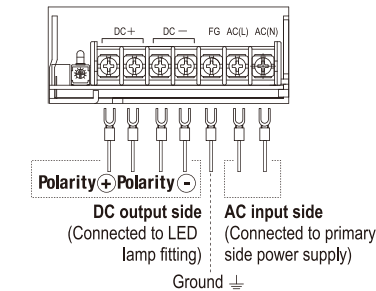
Follow the instructions in the manual for the power supply regarding the temperature, humidity, and other operating environment conditions.



Important!

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

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
Max. allowable current (A)	7	12

* Use the U terminal or O terminal for the power connection and make sure the screw is tightened completely.

- 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.



Luci silux K(8.1W/m)

Instruction Manual

Luci Pte. Ltd. Singapore World HQ

52A Tanjong Pagar Road, Singapore 088473
Tel:+65-6291-2410

Luci CO.,LTD.
Tokyo Japan Regional HQ

Akasaka Bldg. 4F, 4-13-13, Akasaka, Minato-ku,
Tokyo 107-0052, Japan
Tel:+81-3-6327-7409 Fax:+81-3-6327-7410



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.

DC24V

DC24V



When using only one lamp fitting

DC24V

Insulate



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.



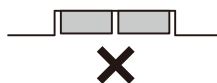
Firmly insert and connect the connectors.
Incomplete connection may cause heating, smoke, and fire.



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.



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.



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 put 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 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?

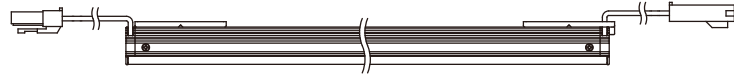
Cleaning Method

- 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.

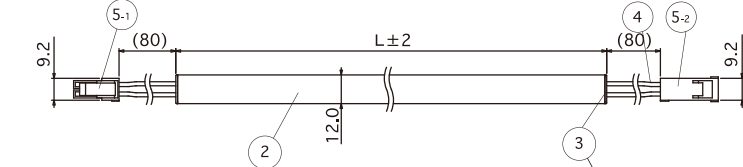
Product specifications

※unit of measure=mm

Side view 1



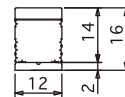
Front view



Side view 2



Side view 3

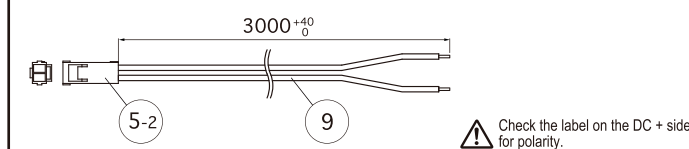


Input voltage
DC24V

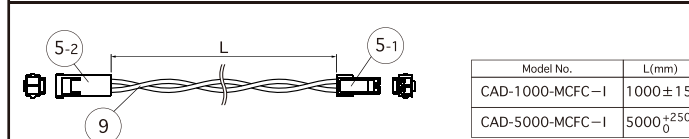
#	Item	Name Materials etc.
①	Body	Aluminum (alumite treatment)
②	Body cover	Polycarbonate, Diffuser
③	Side cover	Polycarbonate, Diffuser
④	Lead Wire	UL1007 AWG22
⑤	Connector	UL94 V-2 White
⑥	Magnet	Neodymium magnet
⑦	Mounting Clip	Polycarbonate, Clear
⑧	Mounting Clip (Liftclip)	Polycarbonate, Clear
⑨	Lead Wire	UL1007 AWG20
⑩	Mounting Clip (Outerclip)	Polycarbonate, Clear

Option parts

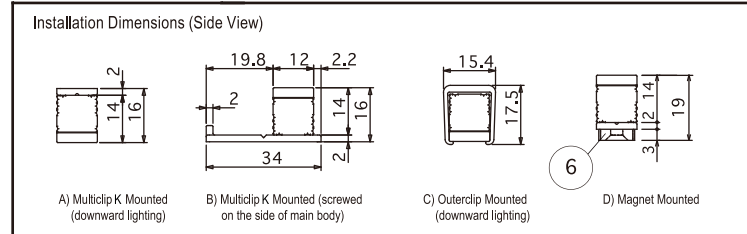
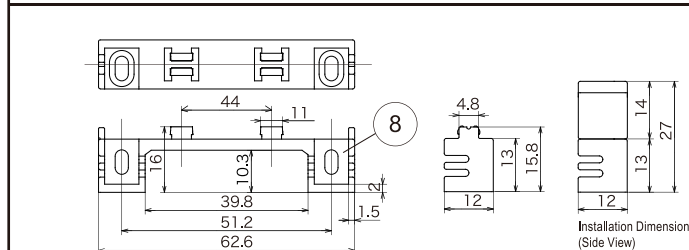
Power supply cable 3000mm for SL connector (CAD-3000-MCNN-I)



Joint cable 1000mm / 5000mm for SL connector (CAD-1000-MCFC-I)(CAD-5000-MCFC-I)

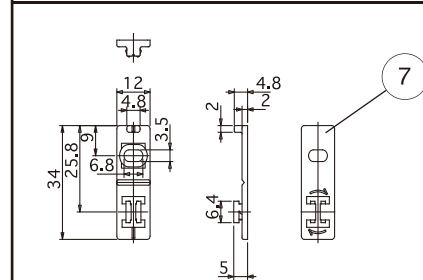


Liftclip for silux (LSX-PTL) (2pcs / 1bag)

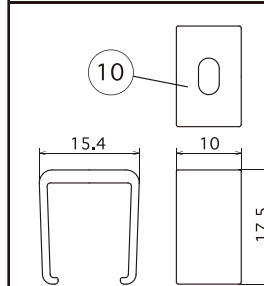


Accessories

Multiclip K for silux(LSX-PTM-C)(3 or 5pcs / 1bag)



Option parts : Outerclip for silux (LSX-PT-A) (5pcs / 1bag)

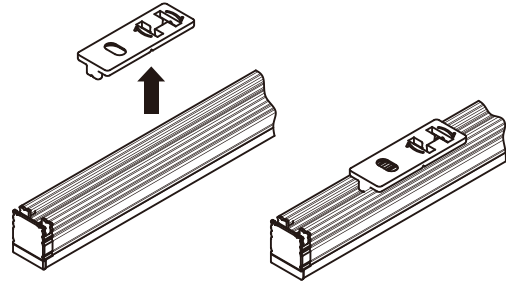


Item / Product Name	Luci Silux K(8.1W/m)				
Length	0074	0259	0388	0509	0573
Model No.	LSXK-0074-※-DF-I-8	LSXK-0259-※-DF-I-8	LSXK-0388-※-DF-I-8	LSXK-0509-※-DF-I-8	LSXK-0573-※-DF-I-8
Power consumption	0.5 W	2.0W	3.1W	4W	4.6W
Input current	0.02A	0.09A	0.13A	0.17A	0.20A
Lamp fitting length (L)	74mm	259mm	388mm	509mm	573mm
Number of LEDs	14	49	77	98	112
Weight	15g	40g	59g	76g	84g
Item / Product Name	Luci Silux K(8.1W/m)				
Length	0702	0823	1008	1137	1451
Model No.	LSXK-0702-※-DF-I-8	LSXK-0823-※-DF-I-8	LSXK-1008-※-DF-I-8	LSXK-1137-※-DF-I-8	LSXK-1451-※-DF-I-8
Power consumption	5.7W	6.6W	8.1W	9.2W	11.8W
Input current	0.24A	0.28A	0.34A	0.39A	0.50A
Lamp fitting length (L)	702mm	823mm	1008mm	1137mm	1451mm
Number of LEDs	140	161	196	224	287
Weight	110g	120g	145g	160g	206g
Light source color (※)	Natural white(N), White (W), Warm white 3500K(WW), Warm white 3000K(L30), Warm white 2700K(L27), Warm white 2400K(L24), Warm white 2100K(L21)				
Environment	Indoors (No Condensation)				
Operating temperature	0℃～+35℃ (No Condensation)				
Max. sets connectable	6m				
Material (Body)	Aluminum (alumite treatment), Polycarbonate				
Accessories	Multiclip K : 3pcs for 702mm or shorter, 5pcs for 823mm or longer				
Option parts	Power supply cable 3000mm, Joint cable 1000mm/5000mm, Multiclip K(3pcs / 1bag), Liftclip(2pcs / 1bag), Outerclip(5pcs / 1bag), Magnet attachment				
Dimmable	<input type="radio"/>				
Power Supplies	<input type="radio"/>				
Certification	CE				

Installing the product

For horizontal installation

Multiclip K installation: behind fixing



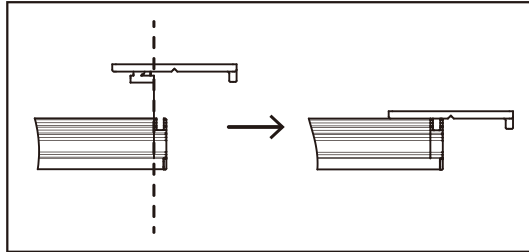
1. The mounting clip should be preset on the installation spot with screws supplied by installer.
(Flat head screws M3 recommended)
Required number of clips is 4pcs per 1m. Each distance of number of clips should not be exceeded 300mm.
2. Snap the LED fixture on the mounting clip.
Ensure click should when inserting.
3. Check if the LED fixture is fixed surely, not being rattled or having distortion.
When detaching LED fixture, please be careful not giving any damage on clips.

Cautions

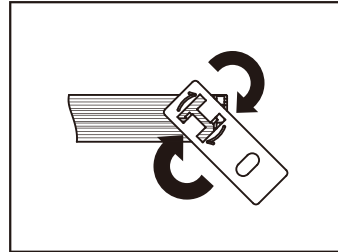
Do not repeatedly attach and detach the LED fixture to the multiclip K. The clip tab may be damaged in case repeating it more than 5 times.

Multiclip K installation: side fixing

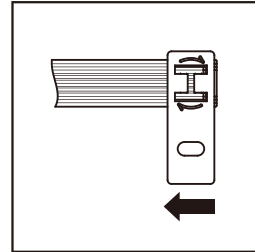
For installation with protruding edge, Multiclip K installation should follow the diagram below.



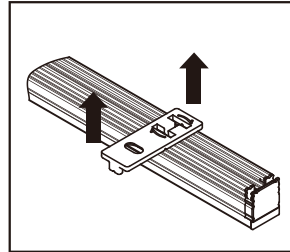
- (1) Insert the multi-clip K at the spot shown in the upper diagram.
Ensure click should when inserting.



- (2) Rotate the Multiclip K in 90 degrees in the direction as the arrow mark shown on the back of the Multiclip.



- (3) Slide the Multiclip to the desired fixing position.



- (4) Use the recommended screws supplied by installer to fix the Multiclip with the LED fixture.
(Flat head screws M3 recommended.) Required number of clips is 4pcs per 1m. Each distance of clips should not be exceeded 300mm.

Cautions

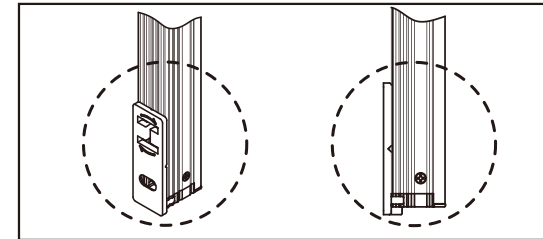
Do not rotate the clip more than 90 degree or opposite direction of the arrow.
The clip may be damaged and unusable.

Installing the product

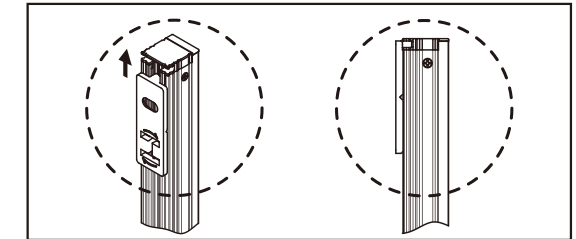
For vertical installation

Multiclip K installation: behind fixing

For vertical installation, make sure the top and bottom of LED fixture hook on the edge of the Multiclip K in accordance with the diagram.
Caution: If the weight of the LED fixture is not supported by the edge of the Multiclip, it may slide down fall.



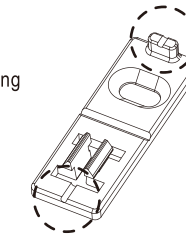
Bottom



Top

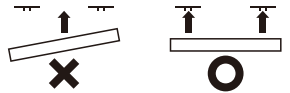
Marking function

The two grooves of Multiclip K can be used for installing the clip straight aligned on the center line.



Cautions

When installing the light appliance to the installation spot ensure that it is kept level and insert onto the clip tabs.
Check if it is completely attached.

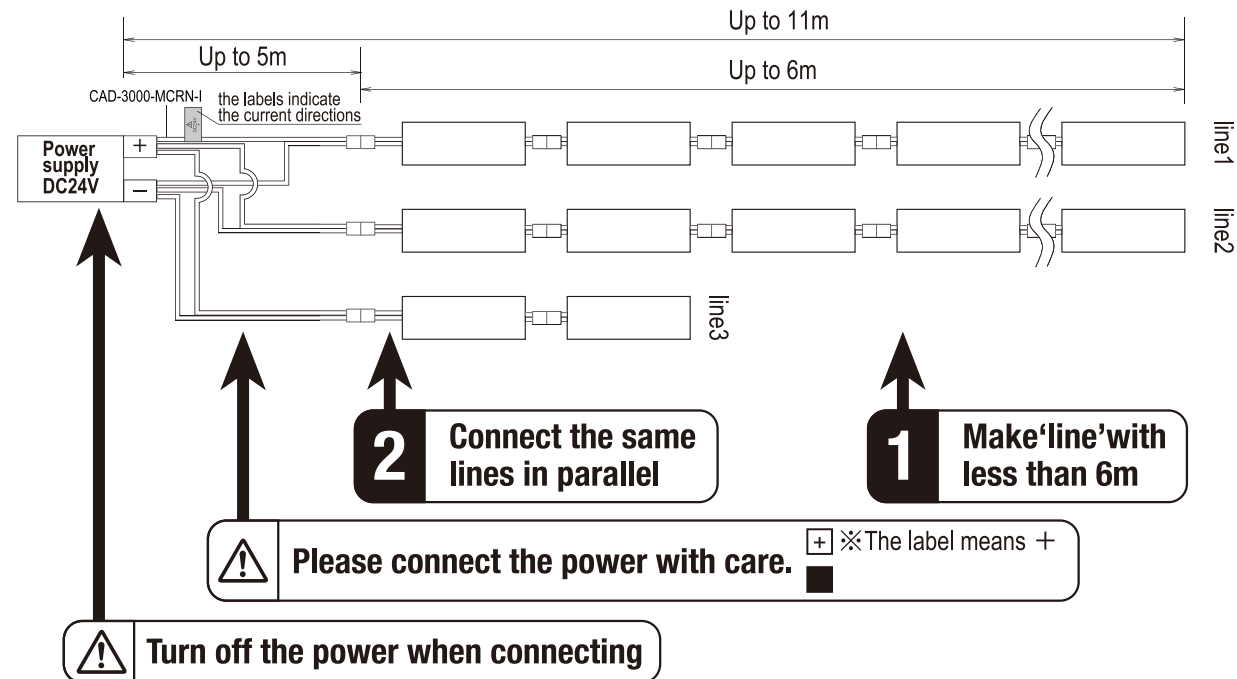


Cautions

- 1) When install the mounting clips, ensure that those are installed in the same level on a plane surface and aligned 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 lamp fittings



⚠️ 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 silux K, the maximum number connectable in series is 6 m. If more than the maximum number must be connected, connect in separate systems.

Lamp fitting lengths (74, 259, 388, 509, 573, 702, 823, 1008, 1137, 1451) can be combined freely; however, the maximum number of meters connectable in series (6 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.

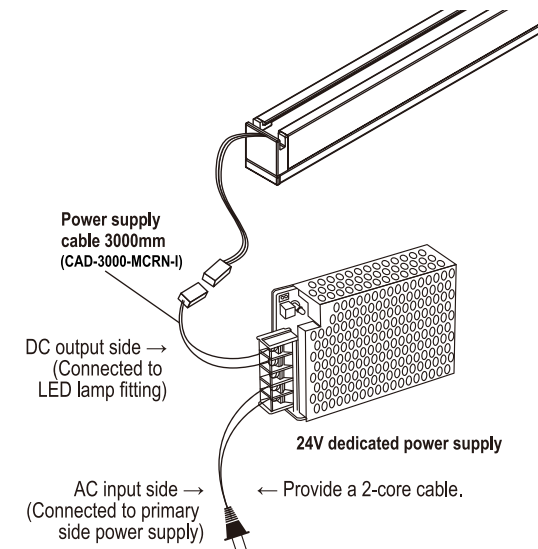
Power supply	Max number connectable per power supply	
	Normal operation	During dimmer use
50W	~4.3m	~3.7m
100W	~8.7m*	~7.5m*
150W	~13.1m *	~11.2m *

* : split into multiple circuits

Connecting to the power supply

Caution: Installation environment of power supply

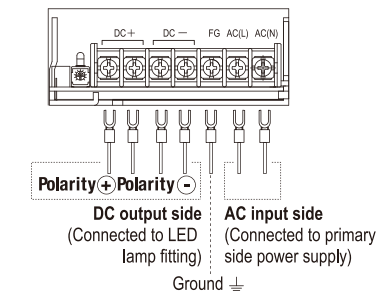
Follow the instructions in the manual for the power supply regarding the temperature, humidity, and other operating environment conditions.



⚠️ Important!

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

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
Max. allowable current (A)	7	12

* Use the U terminal or O terminal for the power connection and make sure the screw is tightened completely.

- 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.



Luci silux K(13.3W/m)

Instruction Manual

Luci Pte. Ltd. Singapore World HQ
52A Tanjong Pagar Road, Singapore 088473
Tel:+65-6291-2410

Luci CO.,LTD. Tokyo Japan Regional HQ
Akasaka Bldg. 4F, 4-13-13, Akasaka, Minato-ku,
Tokyo 107-0052, Japan
Tel:+81-3-6327-7409 Fax:+81-3-6327-7410

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, insulate the unused lead.

 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.





 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.


 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

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?

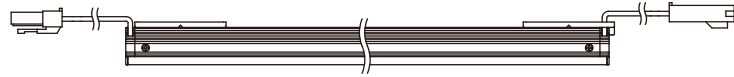
Cleaning Method

- 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.

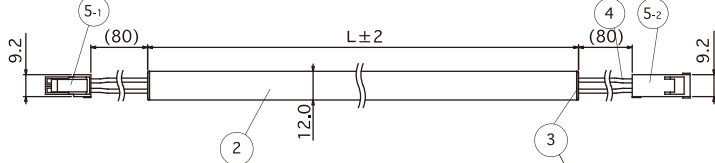
Product specifications

※unit of measure=mm

Side view 1



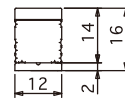
Front view



Side view 2



Side view 3

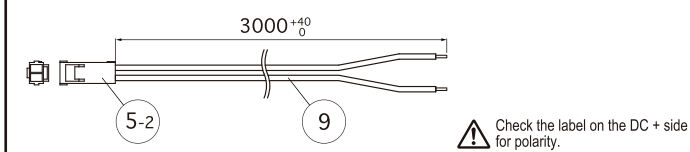


Input voltage
DC24V

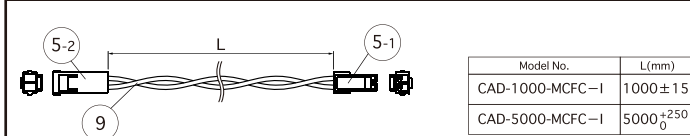
#	Item	Name Materials etc.
①	Body	Aluminum (alumite treatment)
②	Body cover	Polycarbonate, Diffuser
③	Side cover	Polycarbonate, Diffuser
④	Lead Wire	UL1007 AWG22
⑤	Connector	UL94 V-2 White
⑥	Magnet	Neodymium magnet
⑦	Mounting Clip	Polycarbonate, Clear
⑧	Mounting Clip (Liftclip)	Polycarbonate, Clear
⑨	Lead Wire	UL1007 AWG20
⑩	Mounting Clip (Outerclip)	Polycarbonate, Clear

Option parts

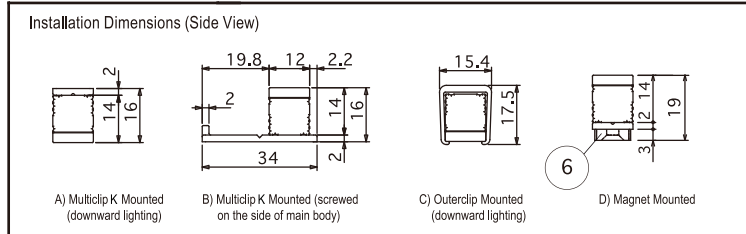
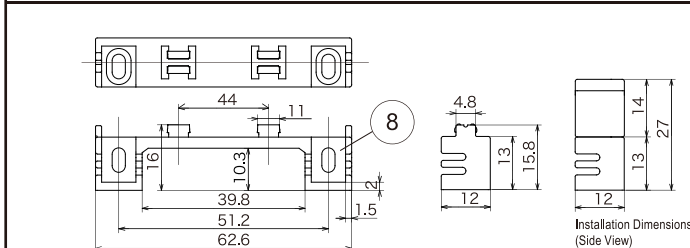
Power supply cable 3000mm for SL connector (CAD-3000-MCNN-I)



Joint cable 1000mm / 5000mm for SL connector (CAD-1000-MCFC-I)(CAD-5000-MCFC-I)

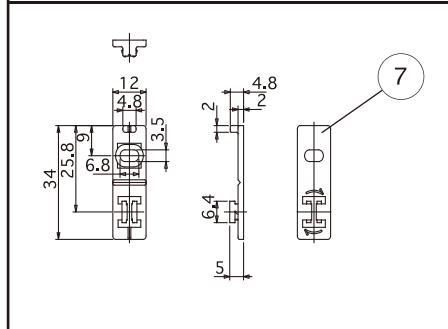


Liftclip for silux (LSX-PTL) (2pcs / 1bag)

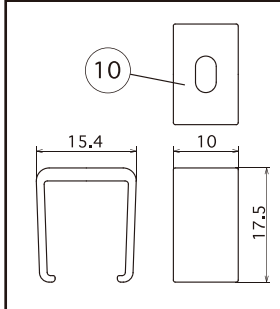


Accessories

Multiclip K for silux(LSX-PTM-C)(3 or 5pcs / 1bag)



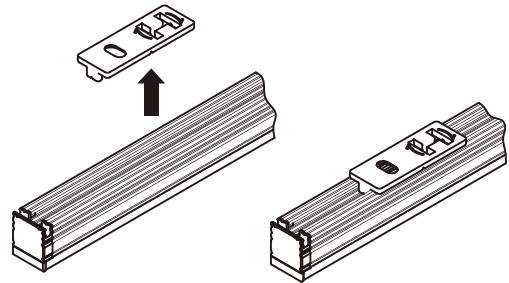
Option parts : Outerclip for silux (LSX-PT-A) (5pcs / 1bag)



Installing the product

For horizontal installation

Multiclip K installation: behind fixing



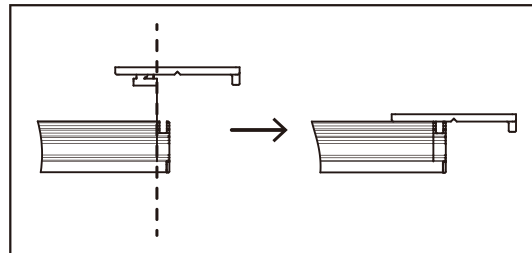
1. The mounting clip should be preset on the installation spot with screws supplied by installer.
(Flat head screws M3 recommended)
Required number of clips is 4pcs per 1m. Each distance of number of clips should not be exceeded 300mm.
2. Snap the LED fixture on the mounting clip.
Ensure click should when inserting.
3. Check if the LED fixture is fixed surely, not being rattled or having distortion.
When detaching LED fixture, please be careful not giving any damage on clips.

Cautions

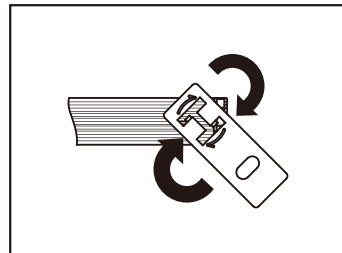
Do not repeatedly attach and detach the LED fixture to the multiclip K. The clip tab may be damaged in case repeating it more than 5 times.

Multiclip K installation: side fixing

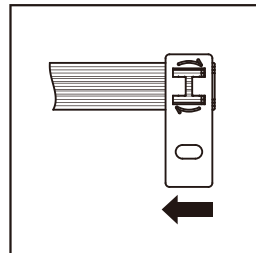
For installation with protruding edge, Multiclip K installation should follow the diagram below.



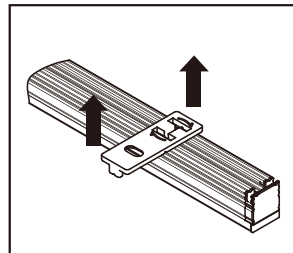
- (1)** Insert the multi-clip K at the spot shown in the upper diagram.
Ensure click should when inserting.



- (2)** Rotate the Multiclip K in 90 degrees in the direction as the arrow mark shown on the back of the Multiclip.



- (3)** Slide the Multiclip to the desired fixing position.



- (4)** Use the recommended screws supplied by installer to fix the Multiclip with the LED fixture.
(Flat head screws M3 recommended.) Required number of clips is 4pcs per 1m. Each distance of clips should not be exceeded 300mm.

Cautions

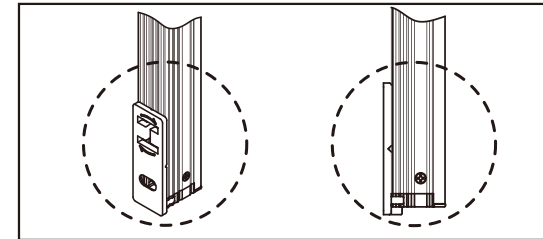
**Do not rotate the clip more than 90 degree or opposite direction of the arrow.
The clip may be damaged and unusable.**

Installing the product

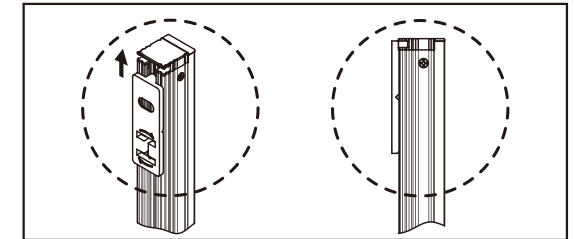
For vertical installation

Multiclip K installation: behind fixing

For vertical installation, make sure the top and bottom of LED fixture hook on the edge of the Multiclip K in accordance with the diagram.
Caution: If the weight of the LED fixture is not supported by the edge of the Multiclip, it may slide down fall.



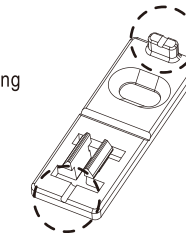
Bottom



Top

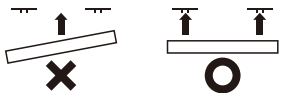
Marking function

The two grooves of Multiclip K can be used for installing the clip straight aligned on the center line.



Cautions

**When installing the light appliance to the installation spot, ensure that it is kept level and insert onto the clip tabs.
Check if it is completely attached.**

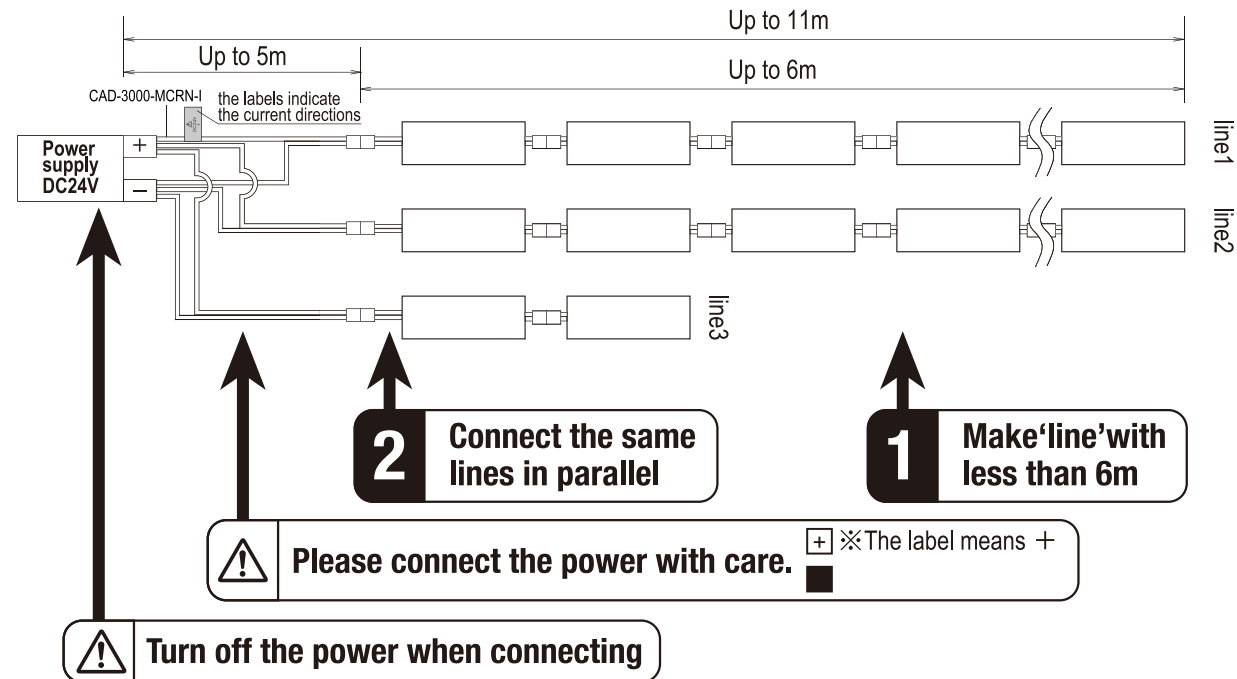


Cautions

- 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 lamp fittings



⚠️ 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 silux K, the **maximum number connectable in series is 6 m**. If more than the maximum number must be connected, connect in separate systems.

Lamp fitting lengths (74, 259, 388, 509, 573, 702, 823, 1008, 1137, 1451) can be combined freely; however, the maximum number of meters connectable in series (6 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.

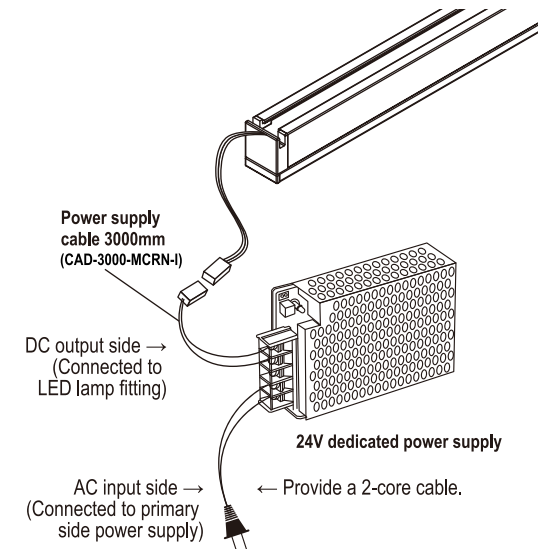
Power supply	Max number connectable per power supply	
	Normal operation	During dimmer use
50W	~2.6m	~2.3m
100W	~5.3m	~4.5m
150W	~7.9m *	~6.8m *

* : split into multiple circuits

Connecting to the power supply

Caution: Installation environment of power supply

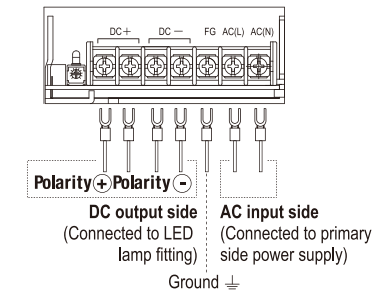
Follow the instructions in the manual for the power supply regarding the temperature, humidity, and other operating environment conditions.



⚠️ Important!

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

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
Max. allowable current (A)	7	12

* Use the U terminal or O terminal for the power connection and make sure the screw is tightened completely.

- 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.