










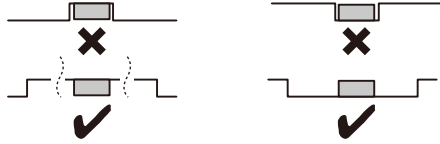






# Luci Vivoxy Graze

## 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.

-  Use with the constant-current power supply of 700mA, 500mA or 350mA.  
Do not connect to other power supply.  
Use the earth leakage breaker with appropriate capacity for given power supply.  
If the breaker with inappropriate capacity has an abnormality, it may not function and may cause fire.
-  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.
-  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.
-  This product 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.
-  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.  
Risk of shortened service life and fire.  
Allow sufficient space for ventilation (heat dissipation) between the LED fixture and building structure.  
When installing the LED fixture in a box, please make sure to provide the air ventilation hole.  

-  Do not do the following to the LED fixture:
  - 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.
-  When there is abnormal situations, please cut off the power immediately, consult with electricians, and do not touch the lighting with hands.
-  Important notice for storage  
Observe the storing temperature of our LED fixtures: 0°C to 55°C  
Please do not store the carton or the packages of our LED fixtures 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 LED fixtures to avoid any damage to the LED fixtures.  
Please do not place heavy object on the carton.  
Please do not use our LED fixtures as the working light during construction period.
-  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.

### 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?

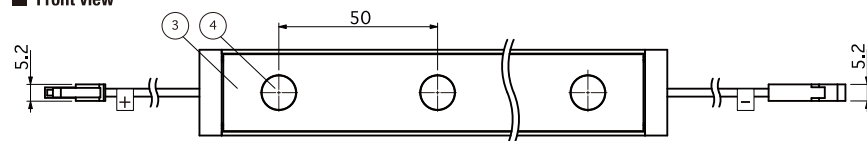
#### Cleaning Method

- 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.

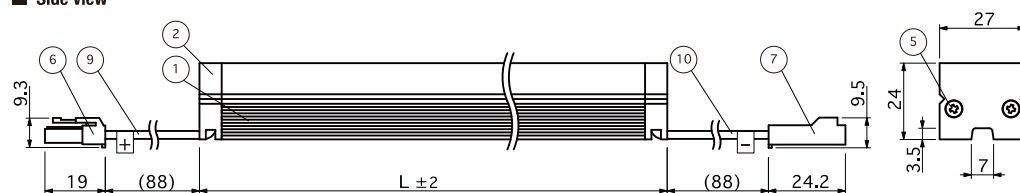
## Product specifications

unit of measure=mm

### Front view

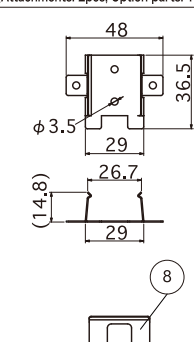


### Side view



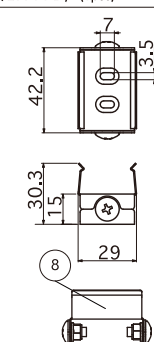
### Attachments / Option parts

Mounting fixture for Vivoxy Graze (LVV-PT-A)  
(Attachments: 2pcs, Option parts: 1pcs)

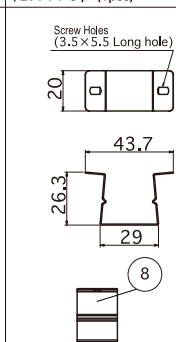


### Option parts

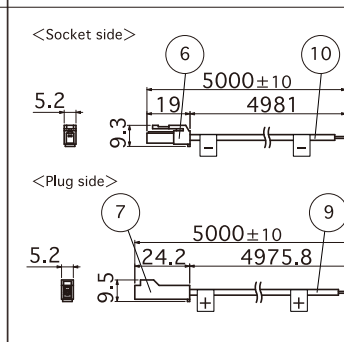
Adjustable mounting fixture for Vivoxy Graze (LVV-PT-B) (1pcs)



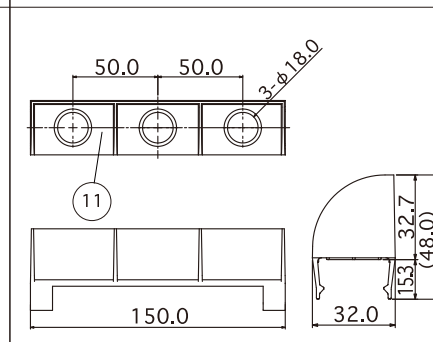
Fall prevention mounting fixture for Vivoxy Graze (LVV-PT-C) (1pcs)



Joint cable 5000mm for Vivoxy Graze (CAD-5000-SETB-I) (1set)



Louver for Vivoxy Graze 300 (LVV50-LV0150) (150mm×2pcs/1set)



### Input current

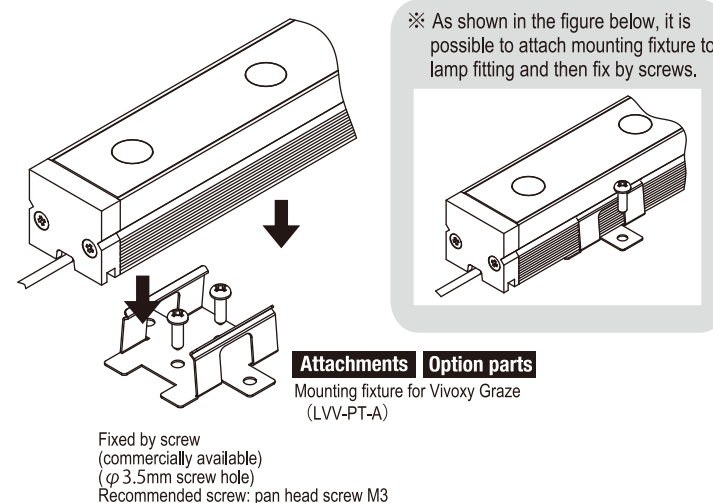
700mA / 500mA / 350mA

#	Item	Name Materials etc.
①	Body	Aluminum, Black
②	Side cover	Polycarbonate, Black
③	Top cover	Aluminum, Black
④	Lens cover	Polycarbonate, Clear
⑤	Screw	
⑥	Connectors	UL94V-2 White
⑦	Connectors	UL94V-2 White
⑧	Mounting part	Stainless steel, Black
⑨	Lead wire	UL1015 AWG22 Red
⑩	Lead wire	UL1015 AWG22 Black
⑪	Louver	PC/ABS Polymer Alloy Black

## Installing the product

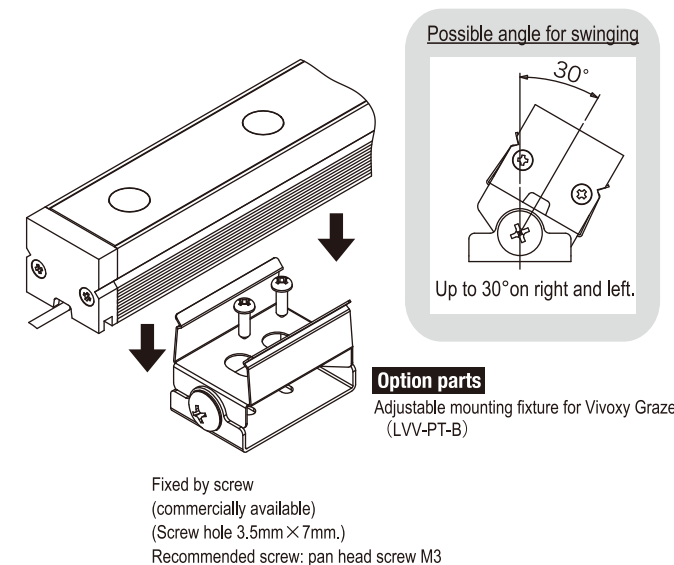
### (A) Horizontal installation of lamp fittings

Fix mounting fixture by screws and insert lamp fitting.



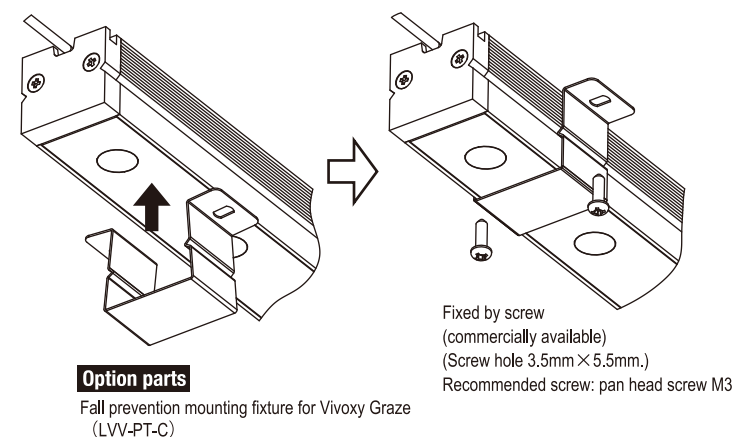
### (B) If using adjustable mounting fixture ※Only for horizontal installation.

Fix adjustable mounting fixture by screws and insert lamp fitting.



### (C) Upside down installation of lamp fittings

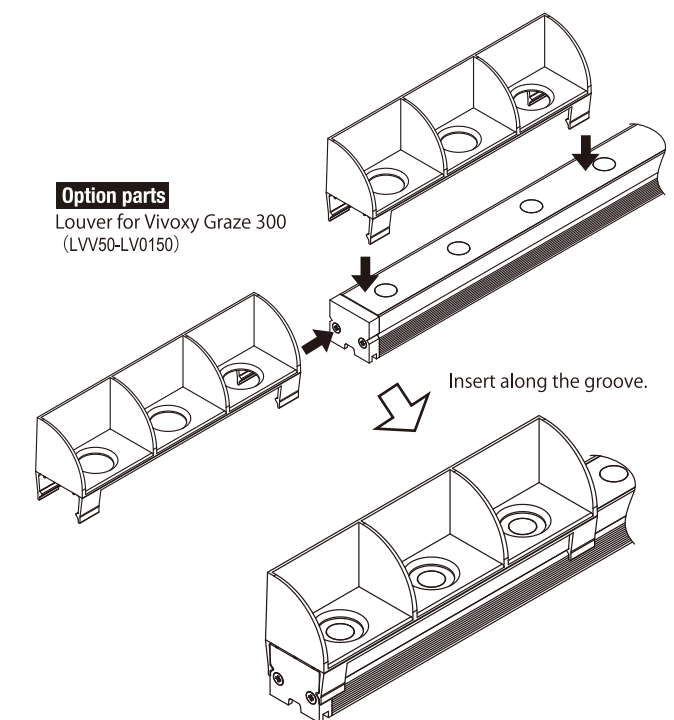
Install fall prevention mounting fixture on lamp fitting and fix by screws.



## Option Installation Methods

### a) Installation of a louver for cutting glare

Install the louver from the side or top of the lamp fitting.



- Center the spaces in the louver with the lens cover.
- Use two louvers for every 300 mm of lamp fitting.
- When using mounting fixtures with louvers, be careful with the positioning of the mounting fixtures and the attachment locations for the louvers.

Item / Product Name	Luci Vivoxy Graze											
Model No.	LVV50-0300- *- SP-I			LVV50-0600- *- SP-I			LVV50-0900- *- SP-I			LVV50-1200- *- SP-I		
Rated input current	700mA	500mA	350mA	700mA	500mA	350mA	700mA	500mA	350mA	700mA	500mA	350mA
Rated current consumption ※1	12W	8W	6W	24W	17W	11W	35W	25W	17W	47W	33W	23W
Length	300mm			600mm			900mm			1200mm		
Number of LEDs	6			12			18			24		
Weight	180g			360g			540g			720g		
Max. sets connectable ※2	2.7m(700mA) / 4.2m(500mA) / 6.0m(350mA)											
Operating temperature ranges	0℃～+35℃ (No Condensation)											
Environment	Indoors (No Condensation)											
Material (Body)	Aluminum, Polycarbonate											
Attachments	Mounting fixture 2pcs											
Option parts	Mounting fixture 1pcs , Adjustable mounting fixture 1pcs , Fall prevention mounting fixture 1pcs , Joint cable 5000mm,Louver 2pcs											
LED beam angle(┘)	SP ( 15° × 32.5°)											
Light source color (＊)	White (W), Warm white 3500K (WW), Warm white 3000K (L30), Warm white 2700K (L27)											
Dimmable	○											
Power supplies	○											

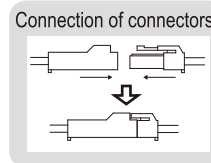
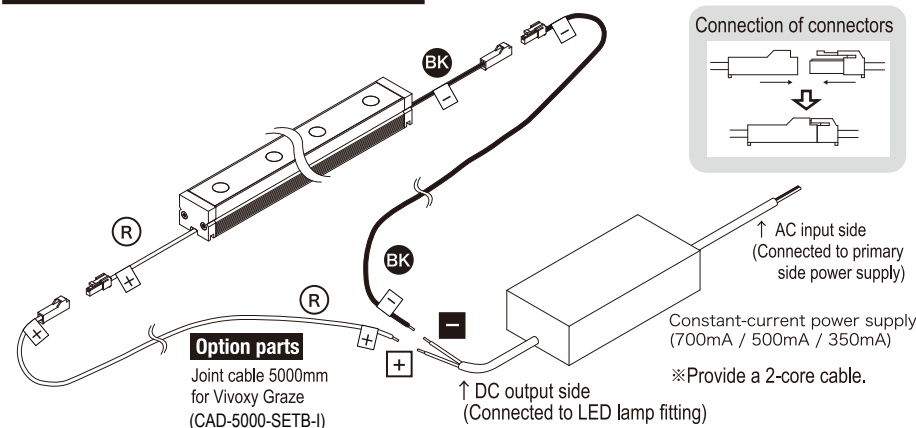
※1. Numerical values change depending on your power supply.

※2. The number of connectable lamp fitting is different depending on your power supply. Check the instructions in the manual for the power supply. Use the additional cable set of feed wiring if the cables need to be 5 m or longer by connection.

## Connecting to the power supply

**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.**



■ Connect the Red cable of the feed wiring cable to + (plus) and the black cable of the feed wiring cable to - (minus) of the LED constant-current power supply (700mA/500mA/350mA).

■ Prior to the connection, make sure that the power supply is turned off.

■ Always use the power supply corresponding to the number of lamp fitting connections.

■ Parallel connection of the lamp fittings is not possible.

■ 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.

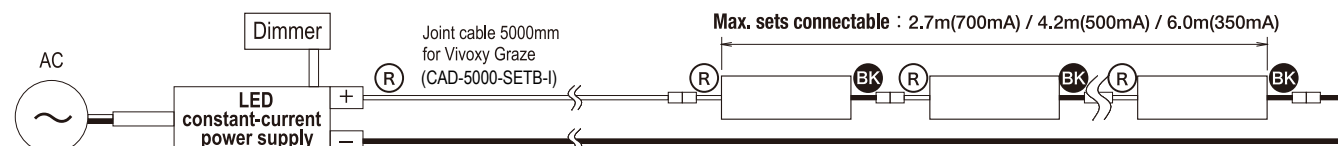
■ When the cable is bundled, heat dissipation becomes poor and the temperature becomes extremely high. When bundling 5 cables or more, connect by lowering the load factor (number of connected devices).



**Warning**

- Do not perform with live cables. Perform the construction work when the power is off. LED will be damaged immediately if the lamp fittings are connected in an energizing state.
- Wait for 1 minute or more after cut the power supply if the power was turned on before the connection of the lamp fittings or reconnection is made. The lamp fittings will be damaged due to accumulated electricity inside if the lamp fittings are connected immediately.

## Connecting lamp fittings



**Parallel connection of the lamp fittings is not possible.**



**Always use the power supply corresponding to the number of lamp fitting connections.**



**Connect the  $\textcircled{R}$  cable of the feed wiring cable to  $\oplus$  and the  $\textcircled{BK}$  cable of the feed wiring cable to  $\ominus$  with attention to the output power indication labels.**



**Do not perform with live cables.**

## Recommended power supply

Maker	Model No.	Rated input current	Rated current consumption	Output		Connectable length in one series	
				Min.	Max.	Min.	Max.
MEAN WELL	HVGC-65-700	700mA	65W	9V	93V	0.3m	1.2m
	HVGC-100-700		100W	15V	142V	0.6m	1.8m
	HVGC-150-700		150W	21V	215V	0.6m	2.7m
	HVGC-65-500	500mA	65W	13V	130V	0.6m	1.8m
	HVGC-150-500		150W	30V	300V	0.9m	4.2m
	HVGC-65-350	350mA	65W	18V	186V	0.6m	2.4m
	HVGC-100-350		100W	29V	285V	0.9m	3.9m
	HVGC-150-350		150W	42V	428V	1.2m	6.0m

- Always use the power supply which is certified with respect to safety in the country of use.
- Power supply required.
- Always connect the lamp fittings by following the instructions in the manual for the power supply.
- Connect securely with the harnesses of the LED modules by following the instructions in the manual for the power supply.
- Use the correct polarity, plus (+) and minus (-).
- The number of maximum series circuit is assumed with the power load ratio of 90%. It is recommended to use the lamp fittings with the power load ratio of 70% if the temperature of the power case becomes high.










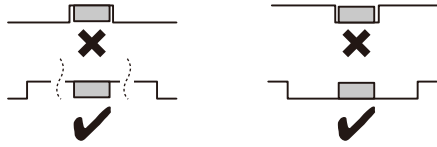








# Luci Vivoxy Graze 2200K

## Instruction Manual

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### To ensure safe usage

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If the product is used against cautions, it may cause damages • electrifications • smoke.

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Use the earth leakage breaker with appropriate capacity for given power supply.  
If the breaker with inappropriate capacity has an abnormality, it may not function and may cause 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.  
Risk of shortened service life and fire.  
Allow sufficient space for ventilation (heat dissipation) between the LED fixture and building structure.  
When installing the LED fixture in a box, please make sure to provide the air ventilation hole.  

-  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.
-  This product 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 LED fixture:
  - 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.
-  Important notice for storage  
Observe the storing temperature of our LED fixtures: 0°C to 55°C  
Please do not store the carton or the packages of our LED fixtures 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 LED fixtures to avoid any damage to the LED fixtures.  
Please do not place heavy object on the carton.  
Please do not use our LED fixtures as the working light during construction period.

### Please read before the usage

- For installing the fixtures, use dedicated mounting accessories and make sure to be fixed securely.
- 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 LED.

#### 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

- LED fixture has a life span.
- Degradation occurs inside after 8-10 years of installation even when the fixture looks fine from the outside.  
Parts of the LED fixture 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 LED fixture is used for a long time without having an inspection, there a small possibility that it could lead to smoke, fire, electric shock.

#### 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

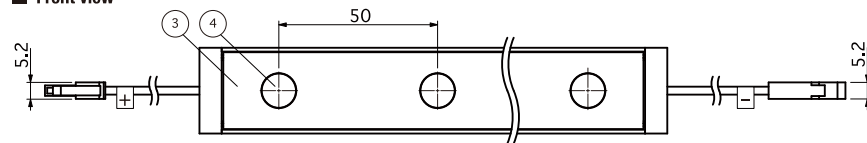
- Lightly wipe the LED fixture with a soft cloth.
- To best clean the LED fixture, wipe dirt with a soft cloth which has been soaked in a neutral detergent diluted with water squeezed dry. To finish off, wipe it with a damp cloth and dry it.



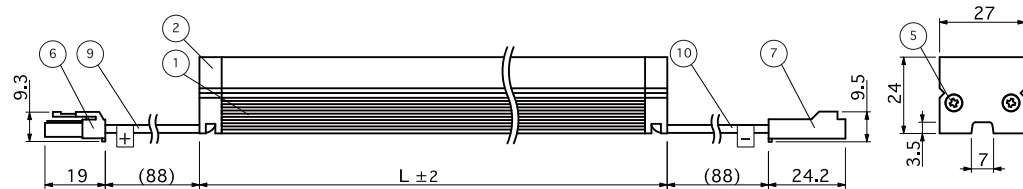
## Product specifications

unit of measure=mm

### Front view

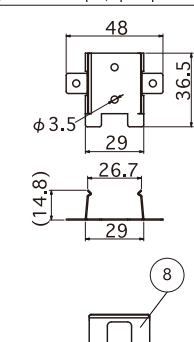


### Side view



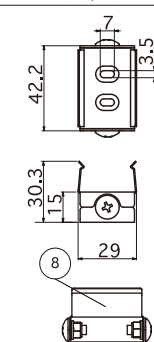
### Attachments / Option parts

Mounting fixture for Vivoxy Graze (LVV-PT-A)  
(Attachments: 2pcs, Option parts: 1pcs)

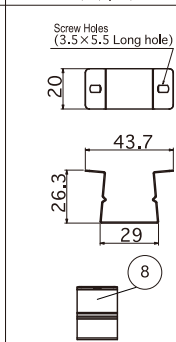


### Option parts

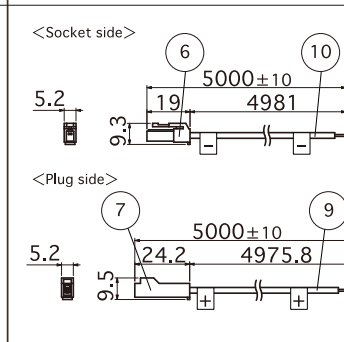
Adjustable mounting fixture for Vivoxy Graze (LVV-PT-B) (1pcs)



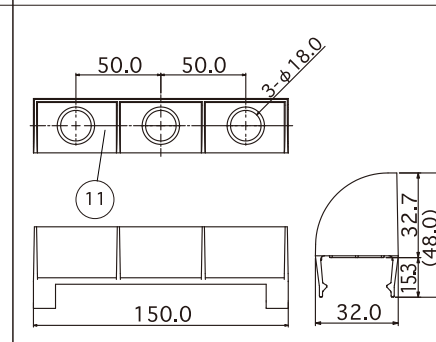
Fall prevention mounting fixture for Vivoxy Graze (LVV-PT-C) (1pcs)



Joint cable 5000mm for Vivoxy Graze (CAD-5000-SETB-I) (1set)



Louver for Vivoxy Graze 300 (LVV50-LV0150) (150mm×2pcs/1set)



### Input current

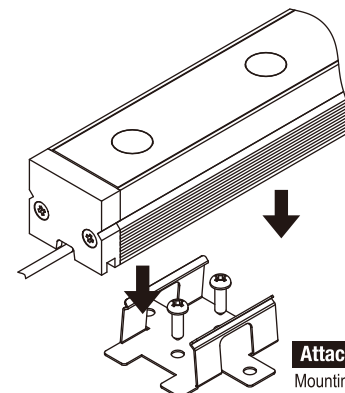
700mA / 500mA / 350mA

#	Item	Name Materials etc.
①	Body	Aluminum, Black
②	Side cover	Polycarbonate, Black
③	Top cover	Aluminum, Black
④	Lens cover	Polycarbonate, Clear
⑤	Screw	
⑥	Connectors	UL94V-2 White
⑦	Connectors	UL94V-2 White
⑧	Mounting part	Stainless steel, Black
⑨	Lead wire	UL1015 AWG22 Red
⑩	Lead wire	UL1015 AWG22 Black
⑪	Louver	PC/ABS Polymer Alloy Black

## Installing the product

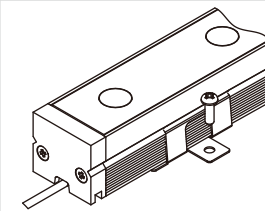
### (A) Horizontal installation of lamp fittings

Fix mounting fixture by screws and insert lamp fitting.



Fixed by screw  
(commercially available)  
(φ 3.5mm screw hole)  
Recommended screw: pan head screw M3

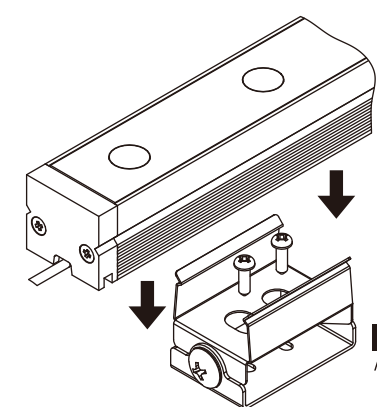
※ As shown in the figure below, it is possible to attach mounting fixture to lamp fitting and then fix by screws.



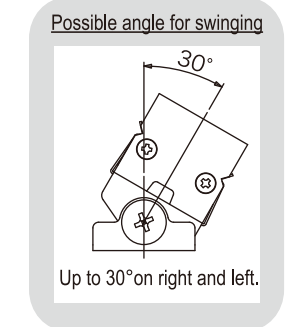
**Attachments** **Option parts**  
Mounting fixture for Vivoxy Graze (LVV-PT-A)

### (B) If using adjustable mounting fixture ※Only for horizontal installation.

Fix adjustable mounting fixture by screws and insert lamp fitting.



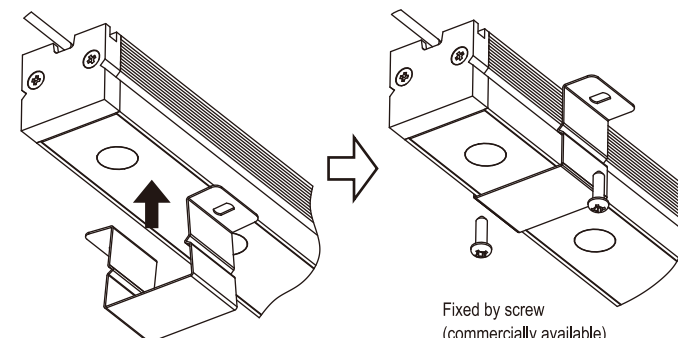
Fixed by screw  
(commercially available)  
(Screw hole 3.5mm×7mm.)  
Recommended screw: pan head screw M3



**Option parts**  
Adjustable mounting fixture for Vivoxy Graze (LVV-PT-B)

### (C) Upside down installation of lamp fittings

Install fall prevention mounting fixture on lamp fitting and fix by screws.



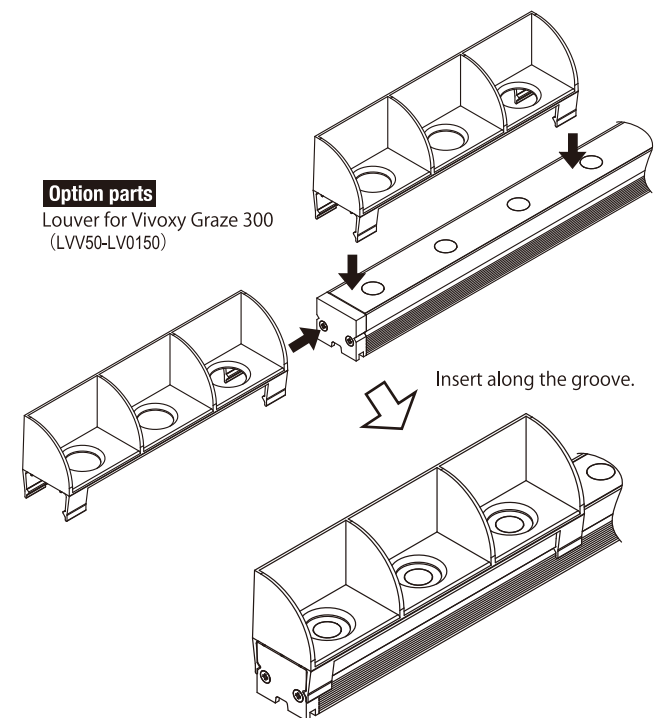
**Option parts**  
Fall prevention mounting fixture for Vivoxy Graze (LVV-PT-C)

Fixed by screw  
(commercially available)  
(Screw hole 3.5mm×5.5mm.)  
Recommended screw: pan head screw M3

## Option Installation Methods

### a) Installation of a louver for cutting glare

Install the louver from the side or top of the lamp fitting.



**Option parts**  
Louver for Vivoxy Graze 300 (LVV50-LV0150)

Insert along the groove.

- Center the spaces in the louver with the lens cover.
- Use two louvers for every 300 mm of lamp fitting.
- When using mounting fixtures with louvers, be careful with the positioning of the mounting fixtures and the attachment locations for the louvers.

Item / Product Name	Luci Vivoxy Graze											
Model No.	LVV50-0300-L22-SP-I			LVV50-0600-L22-SP-I			LVV50-0900-L22-SP-I			LVV50-1200-L22-SP-I		
Rated input current	700mA	500mA	350mA	700mA	500mA	350mA	700mA	500mA	350mA	700mA	500mA	350mA
Rated current consumption ※1	13W	9W	6W	26W	18W	12W	38W	27W	18W	51W	36W	24W
Length	300mm			600mm			900mm			1200mm		
Number of LEDs	6			12			18			24		
Weight	180g			360g			540g			720g		
Max. sets connectable ※2	2.4m(700mA) / 3.6m(500mA) / 5.4m(350mA)											
Operating temperature ranges	0℃～+35℃ (No Condensation)											
Environment	Indoors (No Condensation)											
Material (Body)	Aluminum, Polycarbonate											
Attachments	Mounting fixture 2pcs											
Option parts	Mounting fixture 1pcs , Adjustable mounting fixture 1pcs , Fall prevention mounting fixture 1pcs , Joint cable 5000mm,Louver 2pcs											
LED beam angle(┘)	SP ( 15° × 32.5°)											
Light source color (＊)	Warm white 2200K (L22)											
Dimmable	○											
Power supplies	○											

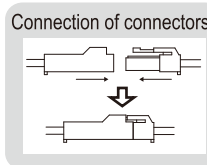
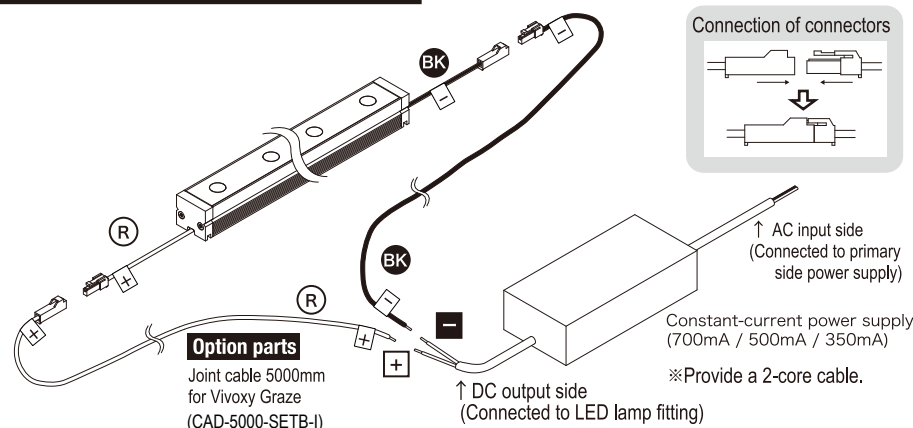
※1. Numerical values change depending on your power supply.

※2. The number of connectable lamp fitting is different depending on your power supply. Check the instructions in the manual for the power supply. Use the additional cable set of feed wiring if the cables need to be 5 m or longer by connection.

## Connecting to the power supply

**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.**



■ Connect the Red cable of the feed wiring cable to + (plus) and the black cable of the feed wiring cable to - (minus) of the LED constant-current power supply (700mA/500mA/350mA).

■ Prior to the connection, make sure that the power supply is turned off.

■ Always use the power supply corresponding to the number of lamp fitting connections.

■ Parallel connection of the lamp fittings is not possible.

■ 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.

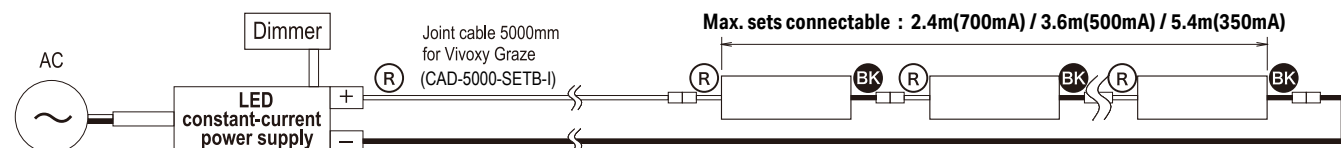
■ When the cable is bundled, heat dissipation becomes poor and the temperature becomes extremely high. When bundling 5 cables or more, connect by lowering the load factor (number of connected devices).



**Warning**

- Do not perform with live cables. Perform the construction work when the power is off. LED will be damaged immediately if the lamp fittings are connected in an energizing state.
- Wait for 1 minute or more after cut the power supply if the power was turned on before the connection of the lamp fittings or reconnection is made. The lamp fittings will be damaged due to accumulated electricity inside if the lamp fittings are connected immediately.

## Connecting lamp fittings



**Parallel connection of the lamp fittings is not possible.**



**Always use the power supply corresponding to the number of lamp fitting connections.**



**Connect the  $\textcircled{R}$  cable of the feed wiring cable to  $\oplus$  and the  $\textcircled{BK}$  cable of the feed wiring cable to  $\ominus$  with attention to the output power indication labels.**



**Do not perform with live cables.**

## Recommended power supply

Maker	Model No.	Rated input current	Rated current consumption	Output		Connectable length in one series	
				Min.	Max.	Min.	Max.
MEAN WELL	HVGC-65-700	700mA	65W	9V	93V	0.3m	0.9m
	HVGC-100-700		100W	15V	142V	0.6m	1.5m
	HVGC-150-700		150W	21V	215V	0.6m	2.4m
	HVGC-65-500	500mA	65W	13V	130V	0.3m	1.5m
	HVGC-150-500		150W	30V	300V	0.9m	3.6m
	HVGC-65-350	350mA	65W	18V	186V	0.6m	2.1m
	HVGC-100-350		100W	29V	285V	0.9m	3.6m
	HVGC-150-350		150W	42V	428V	1.2m	5.4m

- Always use the power supply which is certified with respect to safety in the country of use.
- Power supply required.
- Always connect the lamp fittings by following the instructions in the manual for the power supply.
- Connect securely with the harnesses of the LED modules by following the instructions in the manual for the power supply.
- Use the correct polarity, plus (+) and minus (-).
- The number of maximum series circuit is assumed with the power load ratio of 90%. It is recommended to use the lamp fittings with the power load ratio of 70% if the temperature of the power case becomes high.