



Luci Vivoxy Graze THOF






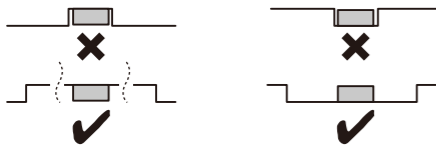








Instruction Manual

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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 • electric shock • smoke.

-  Use with the constant-current power supply of 700mA, 500mA or 350mA.
Do not connect to other power supply.
Always use a circuit breaker of suitable capacity FOR the power supply.
If the breaker with inappropriate capacity has an abnormality, it may not function and may cause fire.
if the power supply capacity is not suitable,the breaker way 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.
If will shorten products life of cause 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 flammable object such as a cloth or paper or an insulating material on top of the lighting fixture or cover it with such material. It may cause the lighting fixture not to turn on or fire.
Do not put a piece of metal or a flammable object in clearance of the lighting fixture.
Do not place or install LED fixture in close contact with other electrical equipment in or out of ceiling area to prevent fall,electric shock or fire caused by vibration from electric equipment.
-  Do not use the product if the casing 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. Using 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 exposed with direct sun right directly
 - places with 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 fixture,use dedicated mounting accessories and make sure if is 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 lighting 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 lighting fixture is used for a long time without having an inspection there is 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?

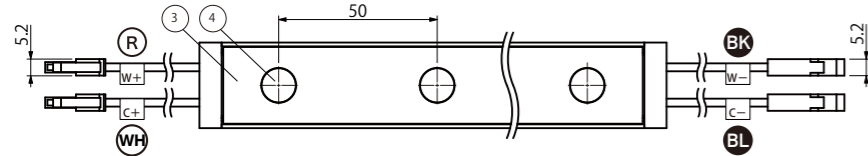
Cleaning Method

- Lightly wipe the lighting fixture 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 squeeze dry . To finish off, wipe it with a damp cloth and dry it.

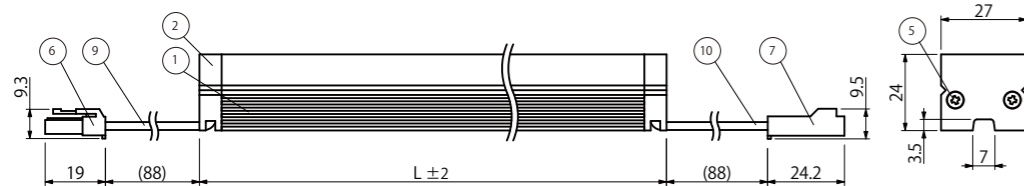
Product specifications

unit of measure=mm

Front view

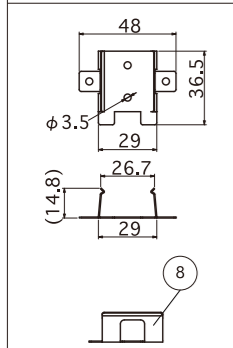


Side view



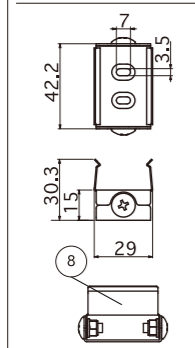
Attachments / Option parts

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

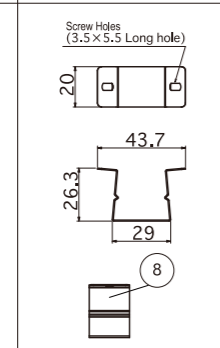


Option parts

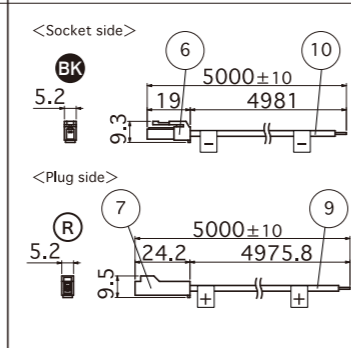
Adjustable mounting fixture for Vivoxy Graze (LVV-PT-B) (1pcs)



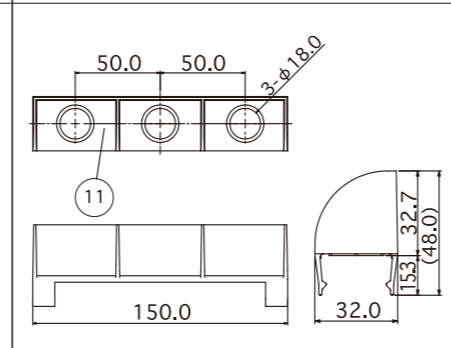
Fall prevention mounting fixture for Vivoxy Graze (LVV-PT-C) (1pcs)



Joint cable 5000mm for Vivoxy Graze (CAD-5000-SETB-I) (1set) ※require 2set



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

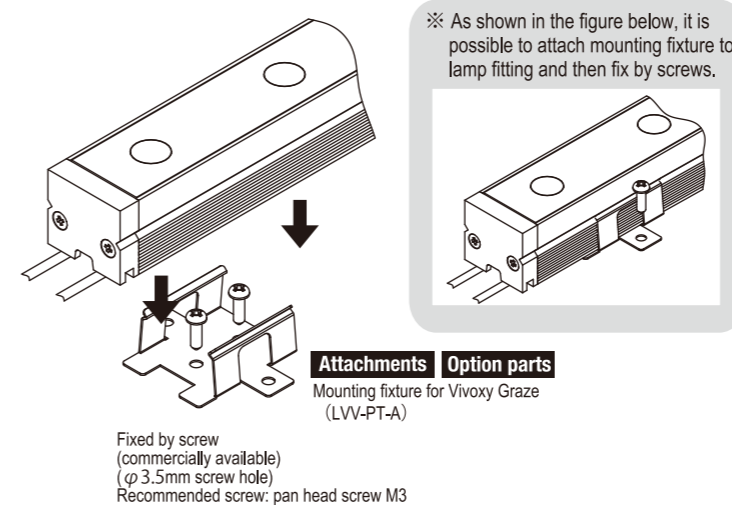


Input current		
700mA / 500mA / 350mA		
#	Item	Name Materials etc.
①	Body	Aluminum, Black
②	Side cover	Polycarbonate, Black
③	Top cover	Aluminum, Black
④	Lens cover	Polycarbonate, Clear
⑤	Screw	
⑥	Connectors	UL94V-2 White
⑦	Connectors	UL94V-2 White
⑧	Mounting part	Stainless steel, Black
⑨	Lead wire	UL1015 AWG22 (W+:Red,C+:White)
⑩	Lead wire	UL1015 AWG22 (W-:Blue,C-:Black)
⑪	Louver	PC/ABS Polymer Alloy Black

Installing the product

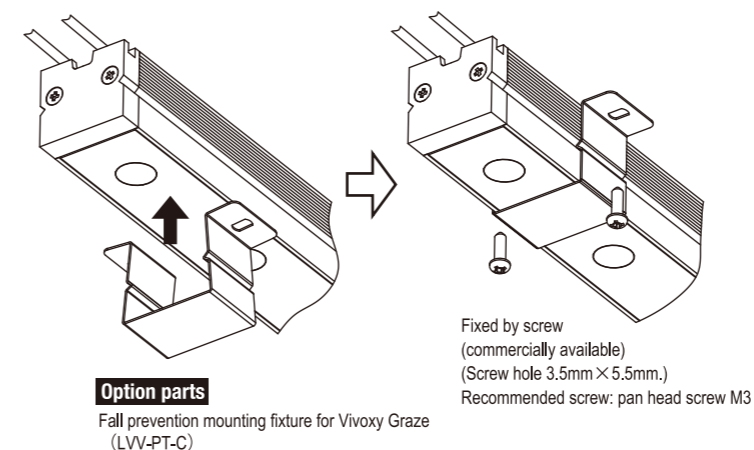
(A) Horizontal installation of lamp fittings

Fix mounting fixture by screws and insert lamp fitting.



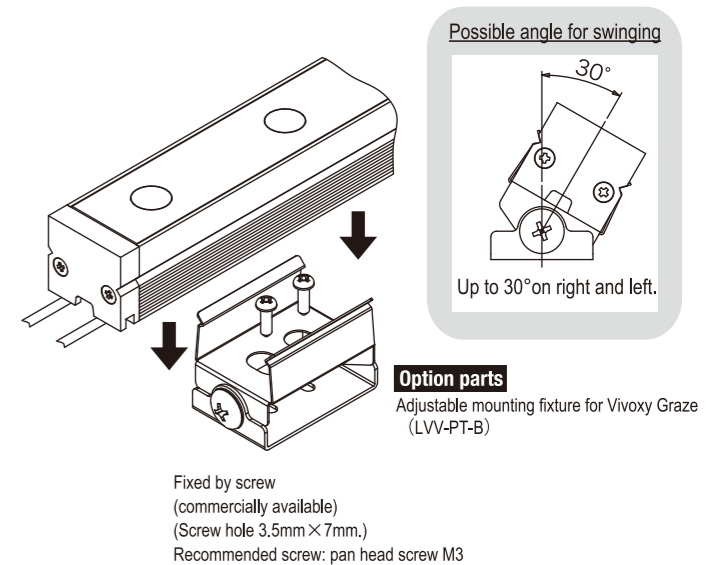
(C) Upside down installation of lamp fittings

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



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

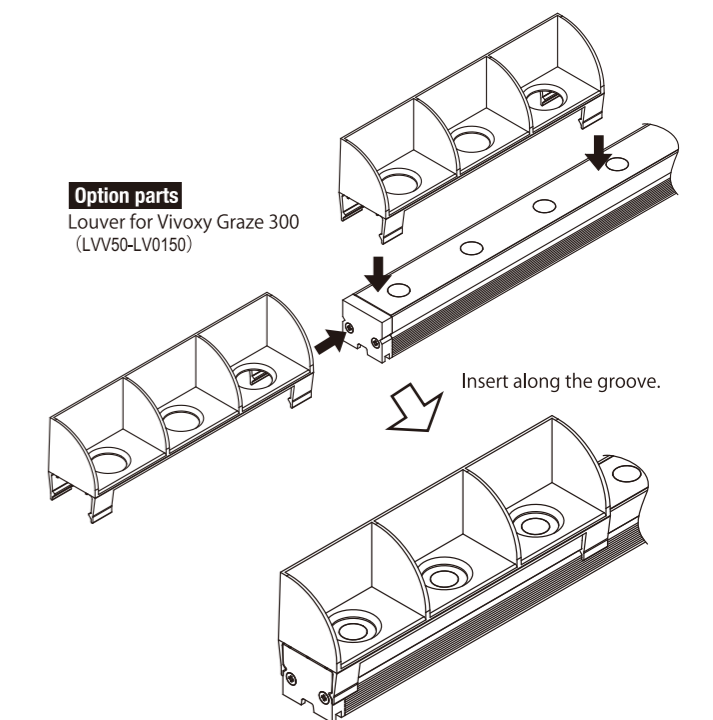
Fix adjustable mounting fixture by screws and insert lamp fitting.



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.	LVVTH50-0300-NL27-SP-I			LVVTH50-0600-NL27-SP-I			LVVTH50-0900-NL27-SP-I			LVVTH50-1200-NL27-SP-I		
Rated input current	700mA	500mA	350mA	700mA	500mA	350mA	700mA	500mA	350mA	700mA	500mA	350mA
Power Consumption 1ch max(@typ) ※1	6W	5W	3W	12W	9W	6W	18W	13W	9W	24W	17W	12W
Power Consumption 2ch max(@typ) ※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	5.7m(700mA) / 8.4m(500mA) / 12.0m(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 (＊)	Natural white 5300K ～ Warm white 2700K(NL27)											
Dimmable	○											
Power supplies	○											

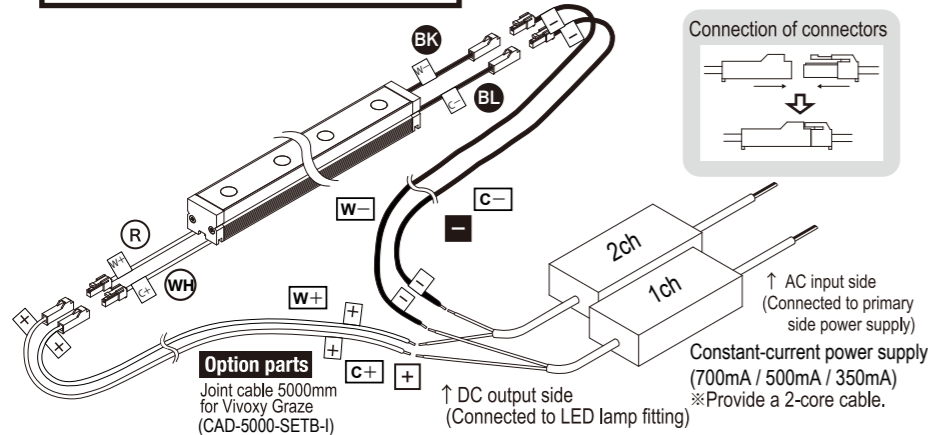
※1. Numerical values change depending on your power supply.

※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.



Connection of connectors

■ Connect the (R) W+ and (WH) C+ cable of the feed wiring cable to + and the (BK) W- and (BL) C- cable of the feed wiring cable to - of the LED constant-current power supply (700mA/500mA/350mA).

■ Vivoxy Graze THOF need 2 power supplies for each color.
■ (BK) cable W- and (R) cable W+ connect to the same power supply.
■ (BL) cable C- and (WH) cable C+ connect to the another supply.

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

■ Always use suitable power supply oe pends on the number of lamp fitting connections.

■ Parallel connection of the lamp fittings is not possible.

■ Please make sure to connect fixture cable to DC input, when wrong current flows to the fixture, it may damage the fixture, generate the heat, or cause fire.

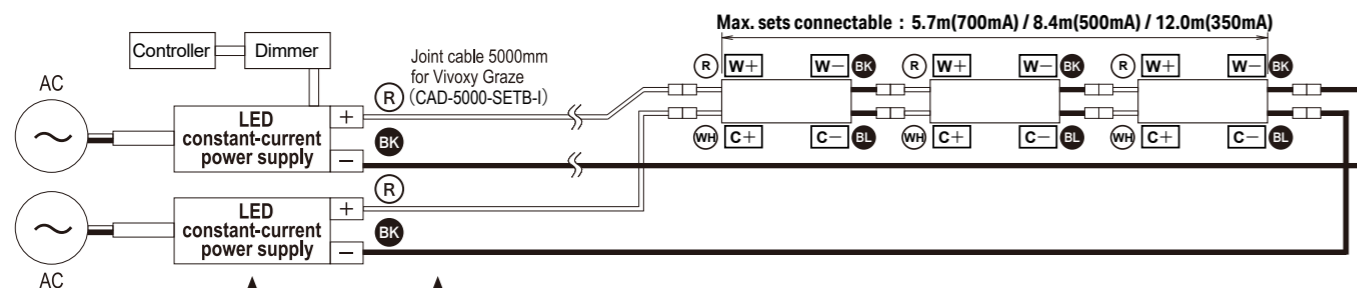
■ When wiring, please make sure to connect fixture cable to DC input, when wrong current flows in the fixture, it may damage the fixture, generate the heat or cause fire.

■ When the cable is bundled, it accumulate heat and the temperature will rise extremely high. When bundling 5 cables or more, please reduce the number of fittings.



- During the construction work, please ensure the power is off, LED will be damaged immediately, if the fixtures are connected are on connected.
- Wait for 1 minute or more after cutting the power supply if the power is turned on before the connection of the fixture is made, the lamp fittings will be damaged due to accumulated electricity inside if the fixtures are connected immediately.
- 2 power supplies should be the same current setting and wattage capacity.

Connecting lamp fittings



Always use the suitable power supply depends on the numbers of fixture.



Connect (R) W+ , (WH) C+ cable of wiring cable to + (R) and (BK) W- , (BL) C- cable of wiring cable to - (BK) with attention to the output power indication labels.



During installation, do not turn on live cables.



Parallel connection of the lamp fittings is not possible.

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 ×2	700mA	65W	9V	93V	0.6m	2.4m
	HVGC-100-700 ×2		100W	15V	142V	0.9m	3.9m
	HVGC-150-700 ×2		150W	21V	215V	1.2m	5.7m
	HVGC-65-500 ×2	500mA	65W	13V	130V	0.9m	3.6m
	HVGC-150-500 ×2		150W	30V	300V	1.5m	8.4m
	HVGC-65-350 ×2	350mA	65W	18V	186V	0.9m	5.1m
	HVGC-100-350 ×2		100W	29V	285V	1.5m	8.1m
	HVGC-150-350 ×2		150W	42V	428V	2.1m	12.0m

- 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 connector of the LED 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 fixture with the power load ratio of 70% if the temperature of the power case becomes high. 02 power should sa re current wattage.