

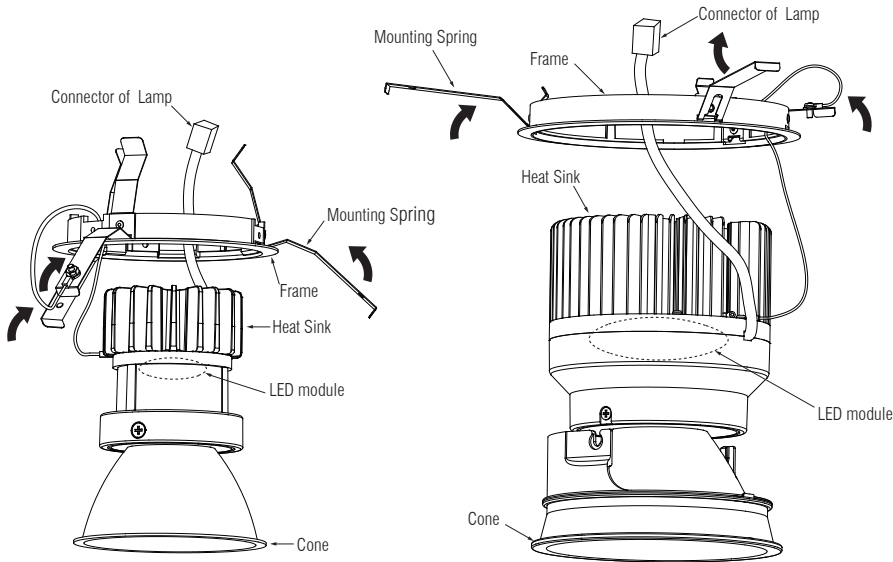
LEDZ GLARELESS DOWNLIGHT

INSTRUCTION SHEET

FOR STORAGE

PART NAME

This illustration shows the parts in common. It may not be exactly the same as your unit.



SPECIFICATION

Categories	Model	LED Color	Light Distribution	Adjacent Illumination Limit	Categories	Ballast Model	Dimmable	Input Voltage	Input Current	Module Power Consumption	Frequency
4000/3000 TYPE	GERD5368WA/B-T	Natural white(4000K)	Wide Angle	0.3m	4000 TYPE	GRX473N-T	Non dimmable	AC220V	233mA	50.4W	50Hz/60Hz
	GERD5369WA/B-T	Natural white(4000K)	Super-Wide Angle					AC240V	214mA	50.2W	
	GERD5370WA/B-T	Warm white (3500K)	Wide Angle					AC220V	194mA	41.8W	
	GERD5371WA/B-T	Warm white (3500K)	Super-Wide Angle			GRX486N-T	1-10V dimmable	AC240V	179mA	41.7W	
	GERD5372WA/B-T	Warm(3000K)	Wide Angle					AC220V	164mA	35.1W	
	GERD5373WA/B-T	Warm(3000K)	Super-Wide Angle					AC240V	152mA	35.0W	
	GERD6395W/B-T	Warm(2700K)	Wide Angle		3000 TYPE	GRX470N-T	Non dimmable	AC220V	159mA	34.0W	
	GERD6396W/B-T	Warm(2700K)	Super-Wide Angle					AC240V	149mA	33.9W	
	GERD8407W/B-T	Warm(3000K)	Wide Angle								
	GERD8408W/B-T	Warm(3000K)	Super-Wide Angle								
	GERD8396W/B-T	Natural white(4000K)	Narrow Angle			GRX483N-T	1-10V dimmable				
	GERD8397W/B-T	Warm white (3500K)	Narrow Angle								
	GERD8398W/B-T	Warm(3000K)	Narrow Angle								
	GERD8399W/B-T	Warm(3000K)	Narrow Angle								
	GERD8400W/B-T	Warm(2700K)	Narrow Angle								

⚠ For apparatus in service for more than three years, the apparatus and cord should be checked annually to ensure safety. In case of any fault, please replace it with new one immediately.

■ HOW TO CLEAN — ⚠ Make sure to turn off the master switch before cleaning the lamp. It may cause electric shock.

- Apply the neutral detergent, wipe with well-wringed cloth and finish with dried cloth.
 - Do not wipe the lamp with thinner or volatile substances such as gasoline, or acid/alkali detergent or insecticide.
 - Products should be installed in accordance with International Wiring Regulations.If in doubt ,contact a qualified electrician
- For after-sales services, change of address or gift of product to persons in other areas, contact distributor where purchased, or sales office nearby.

SPECIFICATION

Categories	Model	LED Color	Light Distribution	Adjacent Illumination Limit	Categories	Ballast Model	Dimmable	Input Voltage	Input Current	Module Power Consumption	Frequency
2400 TYPE	GERD5374WA/B-T	Natural white(4000K)	Wide Angle	0.3m	2400 TYPE	GRX469N-T	Non dimmable	AC220V	130mA	27.6W	50Hz/60Hz
	GERD5375WA/B-T	Natural white(4000K)	Super-Wide Angle					AC240V	121mA	27.7W	
	GERD5376WA/B-T	Warm white (3500K)	Wide Angle			GRX482N-T	1-10V dimmable	AC220V	125mA	27.5W	
	GERD5377WA/B-T	Warm white (3500K)	Super-Wide Angle					AC240V	117mA	28.0W	
	GERD5378WA/B-T	Warm(3000K)	Wide Angle								
	GERD5379WA/B-T	Warm(3000K)	Super-Wide Angle								
	GERD6397W/B-T	Warm(2700K)	Wide Angle		2000 TYPE	GRX469N-T	Non dimmable	AC220V	135mA	28.9W	
	GERD6398W/B-T	Warm(2700K)	Super-Wide Angle					AC240V	125mA	28.9W	
	GERD8391W/B-T	Natural white(4000K)	Narrow Angle								
	GERD8392W/B-T	Warm white (3500K)	Narrow Angle								
	GERD8393W/B-T	Warm(3000K)	Narrow Angle			GRX482N-T	1-10V dimmable	AC220V	133mA	28.9W	
	GERD8394W/B-T	Warm(3000K)	Narrow Angle					AC240V	124mA	29.3W	
	GERD8395W/B-T	Warm(2700K)	Narrow Angle								
	GERD8401W/B-T	Warm(3000K)	Wide Angle								
	GERD8402W/B-T	Warm(3000K)	Super-Wide Angle								
	GERD8190W/B-T	Natural white(4000K)	Wide Angle		1400/900 TYPE	GRX468N-T	Non dimmable	AC220V	92mA	19.3W	
	GERD8191W/B-T	Natural white(4000K)	Super-Wide Angle					AC240V	87mA	19.4W	
	GERD8192W/B-T	Natural white(4000K)	Ultra-Wide Angle			GRX481N-T	1-10V dimmable	AC220V	98mA	19.8W	
	GERD8193W-T	Natural white(4000K)	Wide Angle					AC240V	92mA	19.8W	
	GERD8194W-T	Natural white(4000K)	Super-Wide Angle								
	GERD8195W-T	Natural white(4000K)	Ultra-Wide Angle								
	GERD8196W/B-T	Warm white (3500K)	Wide Angle			GRX467N-T	Non dimmable	AC220V	67mA	13.9W	
	GERD8197W/B-T	Warm white (3500K)	Super-Wide Angle					AC240V	63mA	13.9W	
	GERD8198W/B-T	Warm white (3500K)	Ultra-Wide Angle								
	GERD8199W-T	Warm white (3500K)	Wide Angle								
	GERD8200W-T	Warm white (3500K)	Super-Wide Angle			GRX480N-T	1-10V dimmable	AC220V	72mA	13.5W	
	GERD8201W-T	Warm white (3500K)	Ultra-Wide Angle					AC240V	69mA	13.5W	
	GERD8202W/B-T	Warm(3000K)	Wide Angle								
	GERD8203W/B-T	Warm(3000K)	Super-Wide Angle								
	GERD8204W/B-T	Warm(3000K)	Ultra-Wide Angle								
	GERD8205W/B-T	Hi-CRI Advance(3000K)	Wide Angle								
	GERD8206W/B-T	Hi-CRI Advance(3000K)	Super-Wide Angle								
	GERD8207W/B-T	Hi-CRI Advance(3000K)	Ultra-Wide Angle								
	GERD8208W-T	Warm(3000K)	Wide Angle								
	GERD8209W-T	Warm(3000K)	Super-Wide Angle								
	GERD8210W-T	Warm(3000K)	Ultra-Wide Angle								
	GERD8211W/B-T	Hi-CRI Advance(2700K)	Wide Angle	0.2m	1400/900 TYPE	GRX468N-T	Non dimmable	AC220V	92mA	19.3W	50Hz/60Hz
	GERD8212W/B-T	Hi-CRI Advance(2700K)	Super-Wide Angle					AC240V	87mA	19.4W	
	GERD8213W/B-T	Hi-CRI Advance(2700K)	Ultra-Wide Angle			GRX481N-T	1-10V dimmable	AC220V	98mA	19.8W	
	GERD8386W/B-T	Natural white(4000K)	Narrow Angle					AC240V	92mA	19.8W	
	GERD8387W/B-T	Warm white (3500K)	Narrow Angle								
	GERD8388W/B-T	Warm(3000K)	Narrow Angle								
	GERD8389W/B-T	Warm(3000K)	Narrow Angle			GRX467N-T	Non dimmable	AC220V	67mA	13.9W	
	GERD8390W/B-T	Warm(2700K)	Narrow Angle					AC240V	63mA	13.9W	
	GERD5344WA/B-T	Natural white(4000K)	Wide Angle								
	GERD5345WA/B-T	Natural white(4000K)	Super-Wide Angle								
	GERD5346WA/B-T	Warm white (3500K)	Wide Angle			GRX483N-T	1-10V dimmable	AC220V	159mA	34.0W	
	GERD5347WA/B-T	Warm white (3500K)	Super-Wide Angle					AC240V	149mA	33.9W	
	GERD5348WA/B-T	Warm(3000K)	Wide Angle								
	GERD5349WA/B-T	Warm(3000K)	Super-Wide Angle								
	GERD6399W/B-T	Warm(2700K)	Wide Angle								
	GERD6400W/B-T	Warm(2700K)	Super-Wide Angle								
	GERD6418B-T	Warm(2700K)	Wide Angle								
	GERD6419B-T	Warm(2700K)	Super-Wide Angle								
	GERD7535W/B-T	Natural white(4000K)	Ultra-Wide Angle								
	GERD7536W/B-T	Warm white (3500K)	Ultra-Wide Angle								
	GERD7537W/B-T	Warm(3000K)	Ultra-Wide Angle								
	GERD6263S-T	Natural white(4000K)	Wide Angle								
	GERD6264S-T	Natural white(4000K)	Super-Wide Angle								
	GERD6265S-T	Warm white (3500K)	Wide Angle								
	GERD6266S-T	Warm white (3500K)	Super-Wide Angle								
	GERD6267S-T	Warm(3000K)	Wide Angle								
	GERD6268S-T	Warm(3000K)	Super-Wide Angle								

◆ SPECIFICATION

Categories	Model	LED Color	Light Distribution	Adjacent Illumination Limit	Categories	Ballast Model	Dimmable	Input Voltage	Input Current	Module Power Consumption	Frequency
1400/900 TYPE	GERD8334W/B-T	Warm(3000K)	Wide Angle	0.2m	1400 TYPE	GRX468N-T	Non dimmable	AC220V	92mA	19.3W	50Hz/60Hz
	GERD8335W/B-T	Warm(3000K)	Super-Wide Angle					AC240V	87mA	19.4W	
	GERD8336W/B-T	Warm(3000K)	Ultra-Wide Angle			GRX481N-T	1-10V dimmable	AC220V	98mA	19.8W	
	GERD8337W/B-T	Warm(2700K)	Ultra-Wide Angle					AC240V	92mA	19.8W	
	GERD8344B-T	Warm(3000K)	Wide Angle					AC220V	67mA	13.9W	
	GERD8345B-T	Warm(3000K)	Super-Wide Angle					AC240V	63mA	13.9W	
	GERD8349S-T	Natural white(4000K)	Ultra-Wide Angle		900 TYPE	GRX467N-T	Non dimmable	AC220V	72mA	13.5W	
	GERD8350S-T	Warm white (3500K)	Ultra-Wide Angle					AC240V	69mA	13.5W	
	GERD8351S-T	Warm(3000K)	Ultra-Wide Angle			GRX480N-T	1-10V dimmable	AC220V			
	GERD8372W/B-T	Natural white(4000K)	Narrow Angle					AC240V			
	GERD8373W/B-T	Warm white (3500K)	Narrow Angle					AC220V			
	GERD8374W/B-T	Warm(3000K)	Narrow Angle					AC240V			
	GERD8375W/B-T	Warm(3000K)	Narrow Angle					AC240V			
	GERD8376B-T	Warm(3000K)	Narrow Angle					AC240V			
	GERD8377W/B-T	Warm(2700K)	Narrow Angle					AC240V			
	GERD8378B-T	Warm(2700K)	Narrow Angle					AC240V			

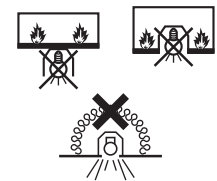
◆ ABOUT LED LIGHT SOURCE

Compared with common incandescent lamp and fluorescent lamp, the LED point sources are dispersed, so there may be differences in light emitting. LED module cannot be replaced.

◆ INSTALLING NOTES

- Make sure the luminaires with the mark as right side drawing should not contact the surface of combustible materials. The distance from luminaires to the combustible materials should follow the standard below.
- Make sure the luminaires with the mark as right side drawing be covered by thermal insulation.

Categories	Minimum Distance
4000/3000TYPE	220mm
2400TYPE	170mm
2000TYPE	160mm
1400/900TYPE	150mm



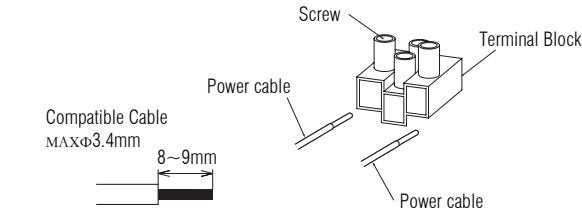
◆ HOW TO INSTALL THE UNIT

1. Turn off the master switch for safety. Otherwise it may cause electric shock.
⚠ It may cause electric shock.
2. Make sure to maintain enough strength of wall base for installation to support the weight of apparatus.
 - Drill the embedded hole as specified.
(Effective installation thickness 3-25mm)

Categories	Diameter of hole
4000/3000 TYPE	φ150 ±1
2400 TYPE	φ125 ±1
1400/900 TYPE 2000 TYPE	φ100 ±1

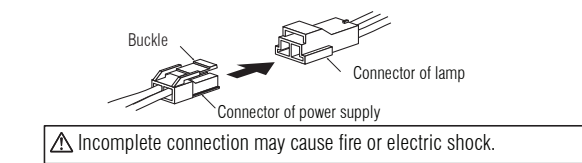
3. Connect the power cable with the terminal block.

- Wire Stripping Length: 8-9mm
- Make sure that a cable is inserted until it reaches the bottom.
- Make sure the screws on terminal block are fixed tightly.
- The current carrying capacity shall below 12A.



- ⚠ Incomplete connection or overload may cause fire or power leakage.
- ⚠ Always make sure to have proper ground connections as specified by the national regulations. Failure to do so may cause fire or electric shock.

4. Put the power unit into the drilled hole and lay it within the ceiling. The power supply unit can not be overturned.
⚠ The power supply should not touch apparatus. Failure to do so may cause fire.
5. Connect the connector of power supply with the connector of lamp.



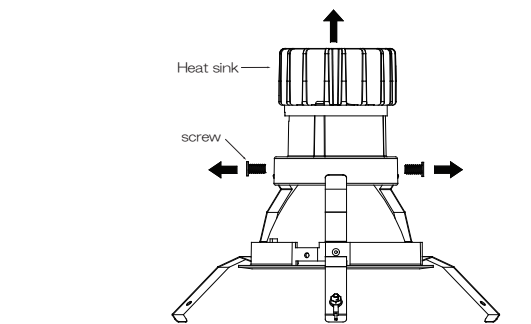
6. Push and insert the frame into the drilled hole.
 - Press the three mounting springs indicated by the arrows, then Push and install the Lamp body into the drilled hole. (Refer to the front view)**⚠ Insecure installation may cause the apparatus to drop down.**

◆ Option (sold separately)

Option Model			Name
φ100	φ125	φ150	
GRB-574C	GRB-573C	GRB-572C	Diffusion Lens
GRB-578C	GRB-577C	GRB-576C	Spread Lens
GRB-582B	GRB-581B	GRB-580B	Honeycomb Lens

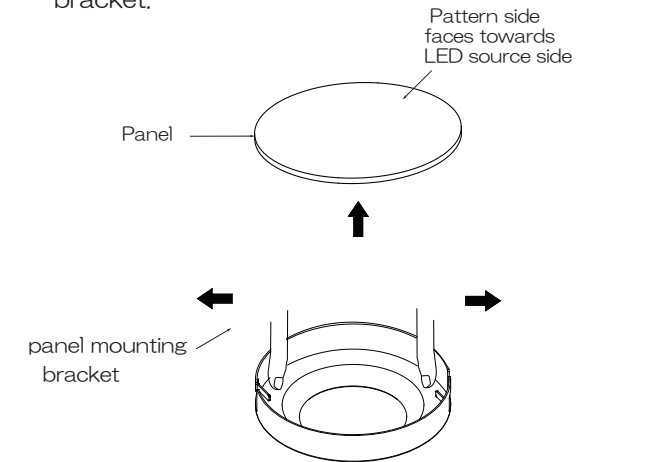
- ※The spread/diffusion and honeycomb louver cannot be used together.
- ※For the fixture in diameter of φ 125, when the light distribution is super wide angle, do not use the spread lens (GRB-577C).
- ※For the fixture in diameter of φ 100, when the light distribution is ultra wide angle, do not use the option.

1. Make sure to cut off the power breaker and power switch for safety.
⚠ It may cause electrical shock.
⚠ Do not install the option during lighting or after black out immediately (within 20 minutes after turning off the light), the high temperature of lamp body may cause burns.
2. Loosen the fixing screws in hood, lift the heat sink toward the direction of arrow and remove it down.

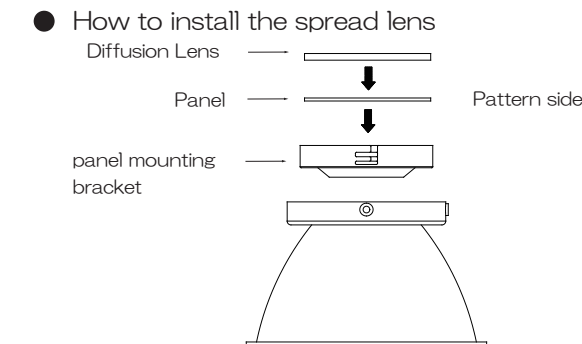
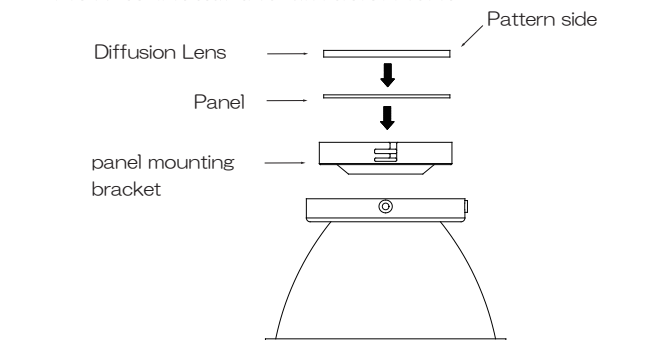


- ⚠ Do not touch the LED chip directly, otherwise it may cause failure.

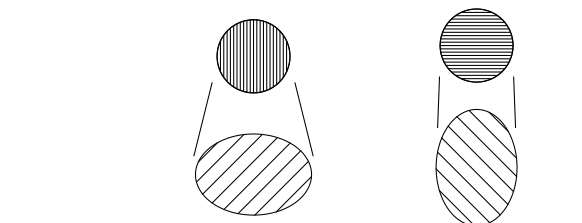
3. Take the panel out from the panel mounting bracket.



4. Install the option.
 - How to install the diffusion lens

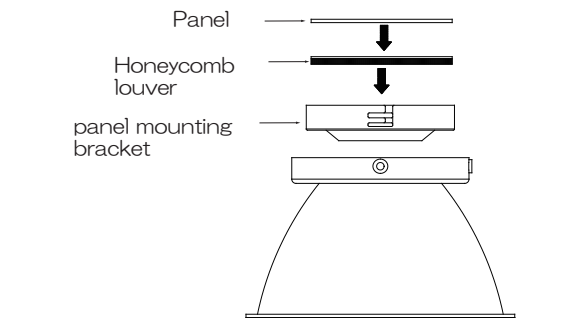


The light shining from vertical direction appears dispersed due to the ribs on spread lens. The installing directions should be well noted.

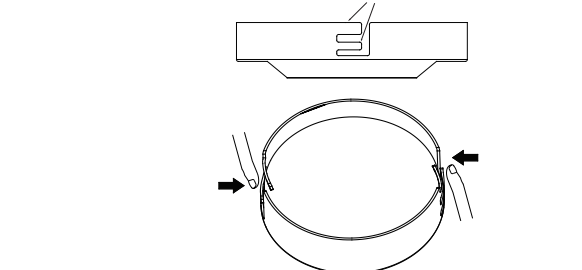


When adjust the shining direction, press the edge of cone with thumbs, then rotate to desired position. (If angle of rotating is above 30° , it is recommended to remove the unit to operate.)

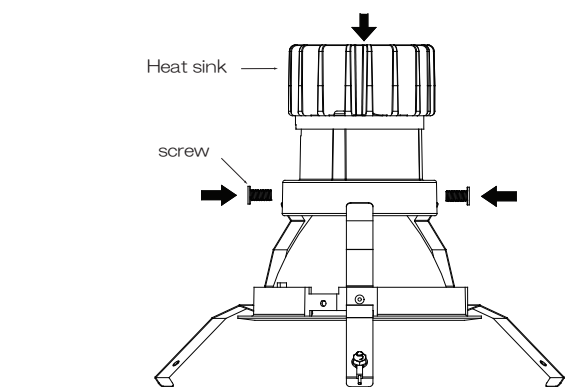
- How to install the honeycomb louver



5. Bend the rack of panel mounting bracket to fix the option.
※Only for the fixture in diameter of 125 and 150.
• Bend the rack that is even with option to the range of 10°~ 30° .



6. Put the panel mounting bracket in the center of fixture. Then fit the bulges of cone in the notches of heat sink, and fasten fixing screws in hood.



- ⚠ Insufficient installation may cause apparatus drop down.