

LUSO

LS-FDGL19B

LS-FDGL19SS

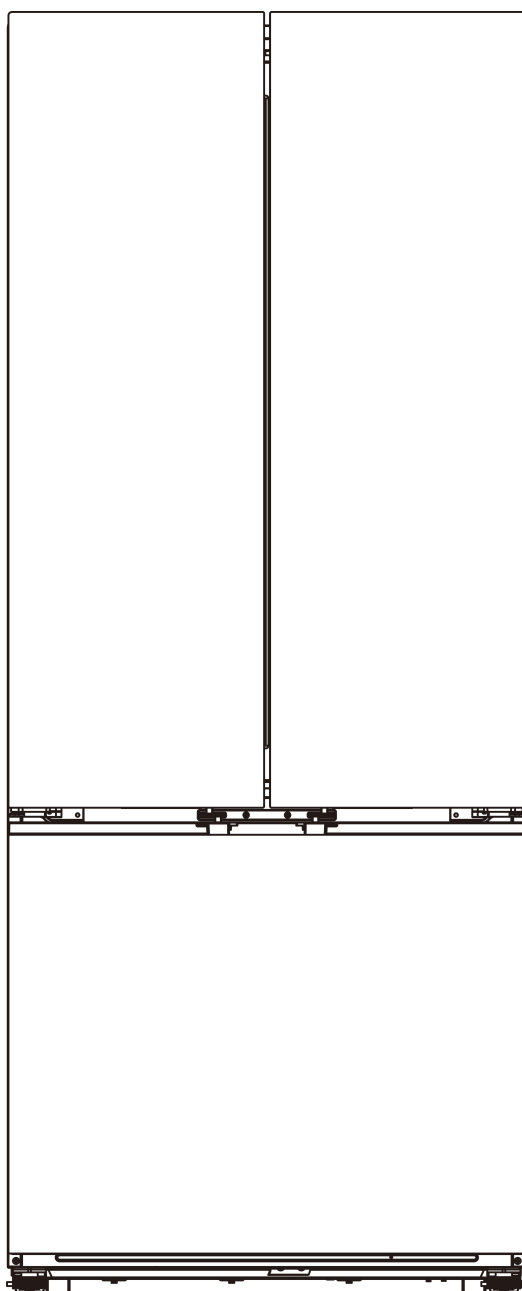
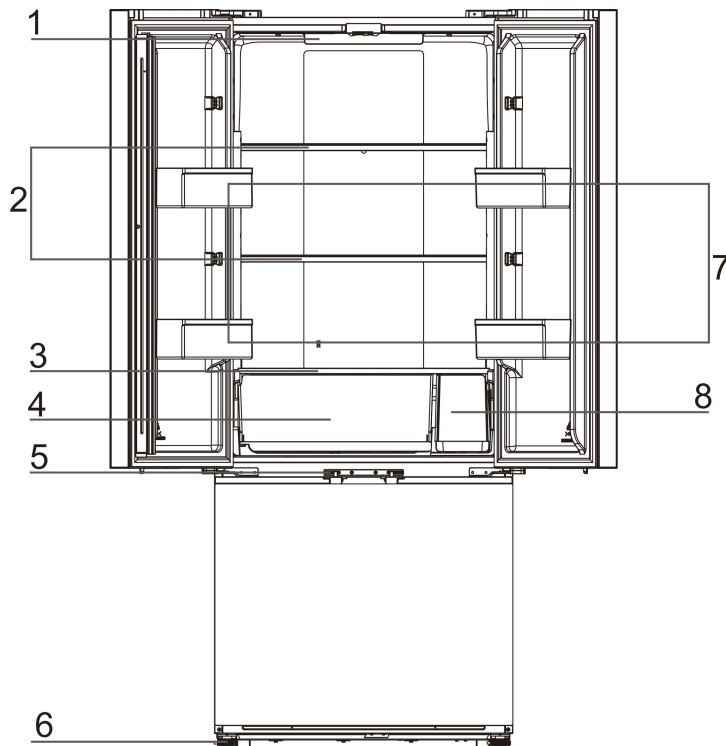


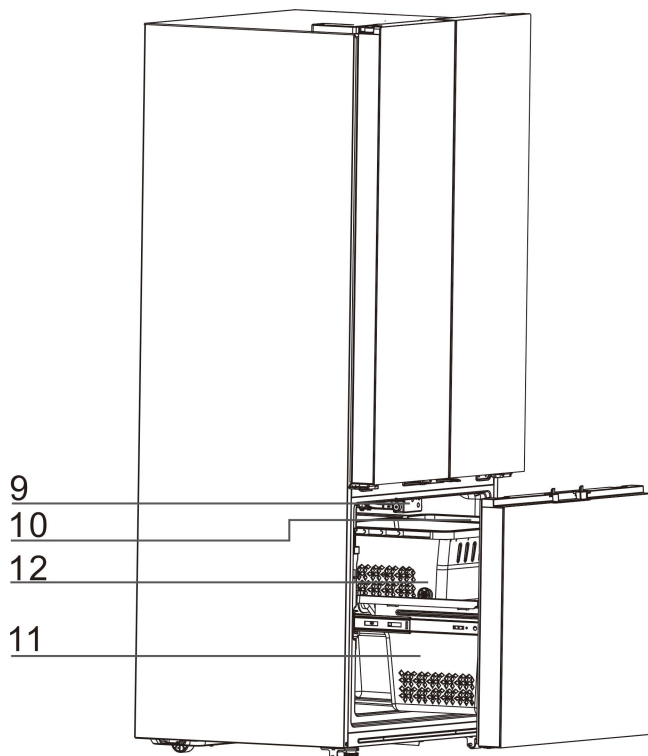
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NAMES OF THE PARTS



- 1. Control Panel
- 2. Shelves
- 3. Crisper Cover
- 4. Crisper
- 5. Lock Bracket
- 6. Adjust legs
- 7. Door Racks
- 8. Water Tank



- 9. Ice Maker
- 10. Ice Bucket
- 11. Upper Freezer Drawer
- 12. Bottom Freezer Drawer

IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of fire, electrical shock, or injury follow these basic precautions when using your refrigerator.

1. WARNING----Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
2. WARNING----Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
3. WARNING----Do not damage the refrigerant circuit to increase the risk of a leak when handle, move, clean and use of product.
4. WARNING----Do not use electrical appliances inside the food storage compartments of the appliances, unless they are of the type recommended by the manufacturer.
5. WARNING----DANGER: Never allow children to play with, operate, or crawl inside the product. Risk of child entrapment. Before you throw away your old product:
 - a) Take off the doors
 - b) Leave the shelves in place so that children may not easily climb inside.
- 6) The appliance has to be unplugged before carrying out user maintenance on the appliance.
7. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. Cleaning and maintenance should not be made by children without supervision.
8. If the SUPPLY CORD is damaged, it must be replaced by the manufacturer, its service agent or similar qualified persons in order to avoid a hazard.
9. Please abandon the product according to local regulations as the unit contains flammable blowing gas and refrigerant.
10. Follow local regulations regarding disposal of the appliance due to flammable refrigerant and blowing gas. All refrigeration products contain refrigerants, which under the guidelines of federal law must be removed before disposal. It is the consumer's responsibility to comply with federal and local regulations when disposing of this product.
11. This appliance is intended to be used in residential and recreation vehicle applications.
12. Do not store or use gasoline or any inflammable liquors and liquids inside or in the vicinity of product.
13. Do not use extension cords or ungrounded (two prong) adapters with this appliance. If Use of an extension can negatively affect the performance of this appliance. Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

Warning: This appliance cannot be used in camping.

Warning: This appliance cannot be used in public transportations.

Warning: The appliance shall be used for indoor only.

The refrigerant and insulation blowing gas are flammable. When disposing of the appliance, do so only at an authorized waste disposal center. Do not expose to flame. Cleaning and user maintenance shall not be made by children without supervision.

14. Refrigerant

The refrigerant isobutene (R600a) is contained within the refrigerant circuit of the appliance, a natural gas with a high level of environmental compatibility, which is nevertheless flammable. During transportation and installation of the appliance, ensure that none of the components of the refrigerant circuit becomes damaged.

If the refrigerant circuits become damaged:

- a) Avoid open flames and sources of ignition.
- b) Thoroughly ventilate the room in which the appliance is situated.

15. Before putting into use

Before connecting the appliance to the power supply, let it stand for about 4 hours, which will reduce a possibility of malfunctions in the cooling system due to transport handling.

- a) Clean the appliance, and be thorough, especially in the interior.
- b) In case the interior accessories are not correctly placed, rearrange them as described in chapter "NAME OF THE PARTS".

16. Instructions for use

These instructions for use are intended for the user. They describe the appliance and its correct and safe use. They were prepared for various types/models of fridges therefore you may find in it description of some functions and accessories that your appliance does not have.

SPECIFICATIONS

Model #LS-FDGL19B/LS-FDGL19SS

Product Description	12V DC Refrigerator		
Model No.	LS-FDGL19B/LS-FDGL19SS		
Unit Dimensions (inches)	Width	Height	Depth
	30.5"	76.4"	30"

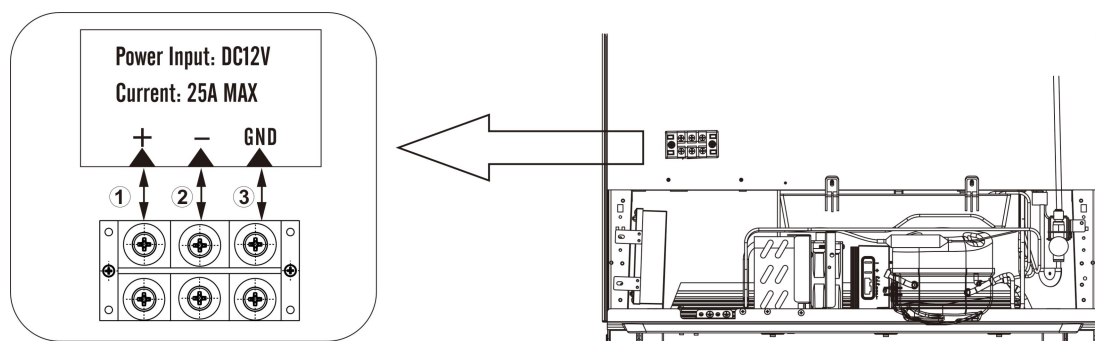
POWER CONNECTION REQUIREMENTS

1. In order for normal use, the connection must be reliable. Besides the power source proper connection, The external wires of the device must meet the following requirements:

Wire size	The max length (Feet)
10 AWG	8 Feet
8 AWG	13 Feet
6 AWG	33 Feet
Remark	12 AWG wire is not recommended. 10 AWG wire or Larger is recommended.
	This DC unit is not equipped with a power source. Please purchase a 12V DC power supply with a power greater than 300W from an authorized dealer.

2. When using an AC/DC power supply, ensure it is reliably grounded.

3. It is recommended that only authorized or qualified professionals perform repair services on unit. **Wire connection diagram:**



- a) Connect terminal with Positive pole of 12V DC.
 - b) Connect terminal with Negative pole of 12V DC.
 - c) If the unit is installed in an RV, The GND terminal should be connected to a metal portion of the RV.
9. Improper use of the grounded plug can result in the risk of electrical shock. If the power cord is damaged, have it replaced by an authorized service center. This refrigerator should be properly grounded for your safety. A 12 volts DC, 30-amp fused, grounded electrical supply is required. This provides the best performance and also prevents overloading RV wiring circuits which could cause a fire hazard from overheated wires.
 10. Do not connect the refrigerator to AC voltage circuits, or to AC outlet of inverter. The refrigerator should always be connected to its own individual electrical branch leading directly to the main DC voltage source or distribution panel.
 11. Immediately discontinue use if the main power supply line has been damaged. If the supply line is damaged, it must be repaired by a qualified service professional.

The cord should be secured behind the refrigerator and not left exposed or dangling to prevent accidental injury.

12. Do not use an extension cord with this appliance use of an extension cord can negatively affect the performance of the unit. If any problems with the appliance persist, please contact our Customer Service Dept. to consult with.
13. Do not attempt to repair or replace any part of your refrigerator unless it is specifically recommended in this manual. All other servicing should be referred to a qualified technician, so as to minimize the risk of possible ignition due to incorrect parts or improper service

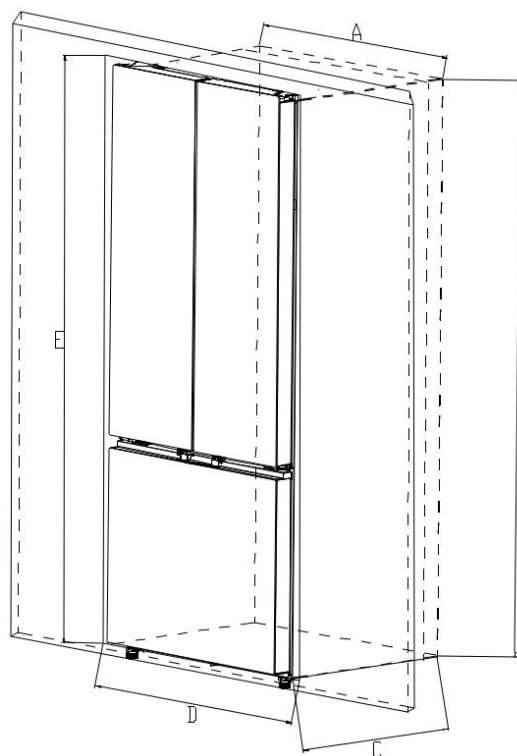
INSTALLATION INSTRUCTIONS

1. Before install your refrigerator
 - a) Remove the exterior and interior packing.
 - b) Before connecting the refrigerator to the power source, let it stand upright for approximately 4 hours. This will reduce the possibility of a malfunction in the cooling system from improper handling during transportation.
 - c) Clean the interior surface with lukewarm water using a soft cloth.
2. Location and operating range
 - a) Do not install the refrigerator in a location exposed to water (rain, etc.) or direct sunlight. Install it on a floor strong enough to support it fully loaded.
 - b) This refrigerator is designed to operate within an ambient temperature range of 55°F (12°C) to 110 °F(43°C). For optimal performance and energy efficiency, we recommend maintaining the environment below 100°F (38°C). Avoid locating the refrigerator in moist areas. turn the unit on and allow the unit to cool down for 2~3 hours under before placing food in the refrigerator or freezer compartment.
3. Clearance

To ensure optimal cooling performance and prevent overheating, maintain the following minimum clearances between refrigerator and cabinet for proper air circulation:

Location	Minimum Clearance
Sides	1" (25.4 mm)
Top	1" (25.4 mm)*
Back	2" (50.8 mm)

The standard 1" (25.4 mm) side and top clearances are not necessary between cabinet front trim and refrigerator, the front trim opening must still meet the minimum size requirements shown in the installation table below.

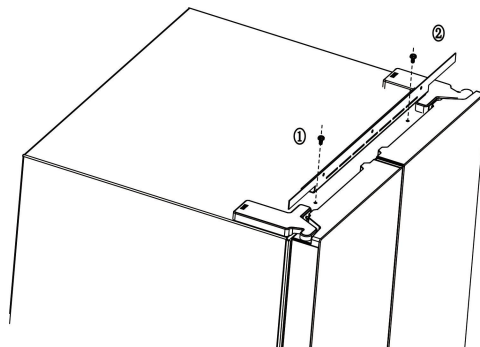


A	B	C	D	E
31.5"	74"	30.5"	31"	73.5"
min	min	min	min	min

4. Installing the refrigerator

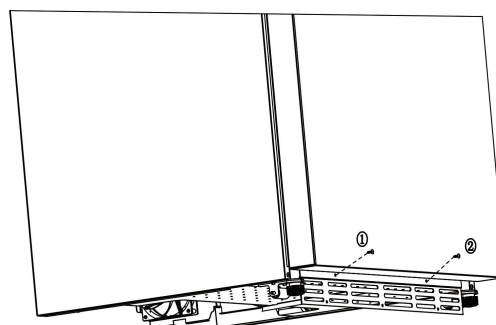
- a) Secure the top mounting bracket to the refrigerator using the two M5 x 20 mounting screws provided.
- b) Place the refrigerator completely into the cabinetry.

- ① Top Mounting Bracket
- ② Mounting Screw



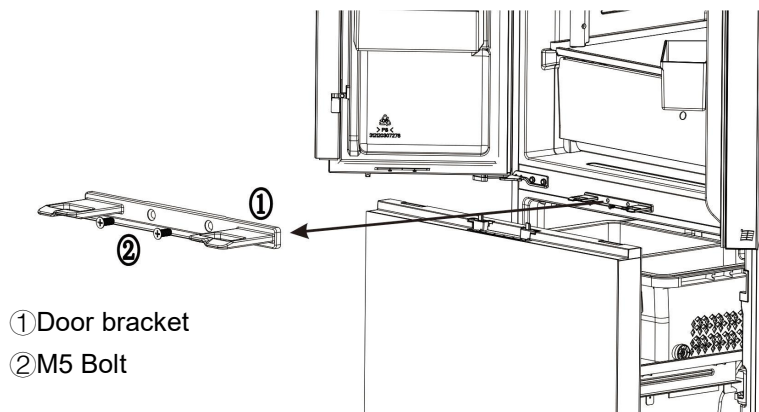
- c) Secure the top mounting bracket to the cabinetry.
- d) Secure bottom bracket into bottom front face of refrigerator with provided Philips head mounting screws.
- e) Secure the bottom bracket into the cabinetry.

- ① Bottom Mounting Bracket
- ② Mounting Screw



5. Install the lock bracket (If needed)

Secure the lock bracket onto the door beam using the screws provided.



- ① Door bracket
- ② M5 Bolt

CONTROL SETTINGS



1. **"ON/OFF"**: Press and hold for 4 seconds to power the refrigerator on or off. When powered off, all loads are deactivated. When the door is opened, the digital display area shows "OFF" When powered on, the display operates normally.
2. **"FRIDGE"**: Upon the first press, the digital display area shows the current set temperature of the refrigerator compartment. Upon the second press, the set temperature can be adjusted within the range of 2 °C~8 °C / 35 °F ~46 °F (cyclic adjustment). If no operation is performed within 5 seconds, or if any other key is pressed, the current temperature setting is confirmed and takes effect, and the display returns to showing the current set temperature. The default setting is 5 °C.
3. **"FREEZER"**: Upon the first press, the digital display area shows the current set temperature of the freezer compartment. Upon the second press, the set temperature can be adjusted within the range of -15 °C~ -23 °C / 5 °F ~ -10 °F (cyclic adjustment). If no operation is performed within 5 seconds, or if any other key is pressed, the current temperature setting is confirmed and takes effect, and the display returns to showing the current set temperature. The default setting is -18 °C;
4. **"MODE"**: Function Setting Button. Momentary-press cyclic setting. When activated, the corresponding function icon remains illuminated.:

The function cycles through the following settings in order:	Corresponding illuminated icon(s)	Setting Description
Quick Cool		Automatically deactivates after running for 6 hours and returns to its original operating state.
Quick Cool +Quick Freeze		Automatically deactivates after running for 6 hours and returns to its original operating state.
Quick Freeze		Automatically deactivates after running for 6 hours and returns to its original operating state.
Energy Saving Mode		Manual deactivation. This function features power-off memory.
All Functions Off	/	Operates in normal state with temperature freely adjustable.

5. **"ICE"**:Ice Making Function Button. Momentary-press cyclic setting for the ice making function. When activated, the corresponding function icon remains illuminated:

The function cycles through the following settings in order:	Corresponding illuminated icon(s)	Setting Description
Normal Ice Making	ICE	Activate the normal ice making function. One ice-making cycle typically completes in approximately 2 hours. During initial operation of the refrigerator, the first cycle may take longer, about 4 to 5 hours. Actual ice-making time may vary and could be longer in summer, depending on ambient temperature, frequency of door openings, and usage conditions. Note that this function requires manual deactivation. Ice production will pause automatically if the ice bucket becomes full and will resume after the ice is removed.
Rapid Ice Making	QUICK ICE	Activate the rapid ice making function. One cycle completes in approximately 1.5 hours. Actual time is affected by ambient temperature, door openings, and usage, and may be longer in summer. Note: This function requires manual deactivation. Ice making pauses automatically if the ice bucket is full and resumes after ice removal.
Ice Maker Clean	CLEAN	Activate the ice maker cleaning function. Upon completion, the "CLEAN" icon will flash, requiring manual deactivation. Note: Ensure the water tank is filled or external water supply is on, and remove all ice from the ice bucket, placing it beneath the ice maker before starting. The function will automatically flush the ice maker three times. After cleaning, manually empty and clean the ice bucket before replacing it to resume normal ice making. Caution: Do not open the freezer door or pull out the upper drawer during cleaning to prevent water from spilling inside the freezer.
Ice Making Function Off	/	The "ICE" icon is off. The unit operates in the normal state, and the ice making function is deactivated.

/	LACK WATER	During the ice-making process, if a water shortage occurs (when the water tank is empty), the corresponding icon will flash to alert the user. Water must be added to the tank or the external water supply must be turned on to resume ice making. Note: *After adding water, the shortage alert will not disappear immediately due to system detection; it will automatically cancel after approximately 2 hours if ice production proceeds normally.
/	CLEAN+LACK WATER	During the ice-making process, if the cleaning icon and the water shortage icon flash simultaneously, it may indicate an abnormality such as a clogged filter, water pump, or ice-making line. Manually clean the filter and water tank (note: the tank contains a float; do not lose it during cleaning). If the icons continue to flash for an extended period after cleaning, contact after-sales service for replacement of parts like the water pump or for a thorough cleaning.

6. Celsius/Fahrenheit Conversion: Press and hold both the FRIDGE and FREEZER buttons simultaneously for 3 seconds to switch between Celsius and Fahrenheit temperature display.

TIPS FOR ENERGY SAVING

1. Try not to open the door too often, especially when the weather is wet and hot. Once you open the door, mind to close it as soon as possible.
2. Every now and then check if the appliance is sufficiently ventilated (adequate air circulation around the appliance).
3. Set thermostat from higher to lower settings as soon as possible (depends on how loaded the appliance is ambient temperature etc.)
4. Before loading the appliance with packages of fresh foods, make sure they are cooled to ambient temperature.

Troubleshooting Guide

You can solve many common refrigerator problems easily, saving you the cost of a possible service call. Try the suggestions below to see if you can solve the problem before calling for service.

problem	Possible Causes
Refrigerator is unplugged.	Refrigerator is unplugged. The circuit breaker is tripped/ fuse blown.
Compressor turns on and off	The room temperature is warmer than normal Door is left open or is frequently opened. The refrigerator does not have the correct clearances. The refrigerator has recently been disconnected for a period of time.
Refrigerator compartments are too warm	Temperature control is not set correctly. Door is left open or is frequently opened. The door gasket does not seal properly. A large amount of warm or hot food was stored recently. Wait for the refrigerator to reach its selected temperature. The refrigerator has recently been disconnected for a period of time.
Vibrating or rattling (slight vibration normal)	Leveling legs need adjusting Refrigerator is placed on an uneven or weak surface. The refrigerator is touching the wall. Re-level the refrigerator and move it away from the wall.

Temperature of external refrigerator surface is warm	The exterior refrigerator walls can be as much as 30F warmer than room temperature This is normal while the compressor works to transfer heat from inside the refrigerator cabinet.
Moisture collects inside the refrigerator	Door is left open or is frequently opened.
Moisture forms on outside of refrigerator	Is normal in hot and humid weather. Air carries moisture into the refrigerator when doors are opened
Bubbling or gurgling sounds(like boiling water)	This is the normal sound of refrigerant (used to cool refrigerator) circulating throughout the system.
Popping or cracking sounds when compressor comes on	This is normal. Metal parts undergo expansion and contraction, like hot water pipes. The sound will level off or disappear as refrigerator runs.
The door will not close properly	The refrigerator is not on a level surface. The gasket is dirty. The storage basket is out of position.

Rating label:

