

MAKE THE MOST OF YOUR



Lynx Electric Infrared Heater

# LEH39/61 CARE & USE/INSTALLATION

# TABLE OF CONTENTS

Clearance from Combustibles	3
Warnings	4
Installation Instructions	5
Wiring Instructions	5
Mounting Instructions	6
Replacement Element Installation	7
Replacement Parts	7
Heater Coverage Areas	8
General Notes	8
Maintenance Instructions	8
Trouble Shooting	9
Location Suggestions	9
Warranty	10

This use & care manual covers the Lynx heater models listed below. Some features and options will vary based upon the model that you purchased.

## LYNX ELECTRIC HEATER MODELS

<b>39"</b>	<b>61"</b>
LEH39	LEH61



# CLEARANCE FROM COMBUSTIBLES



SAVE THIS MANUAL FOR FUTURE REFERENCE



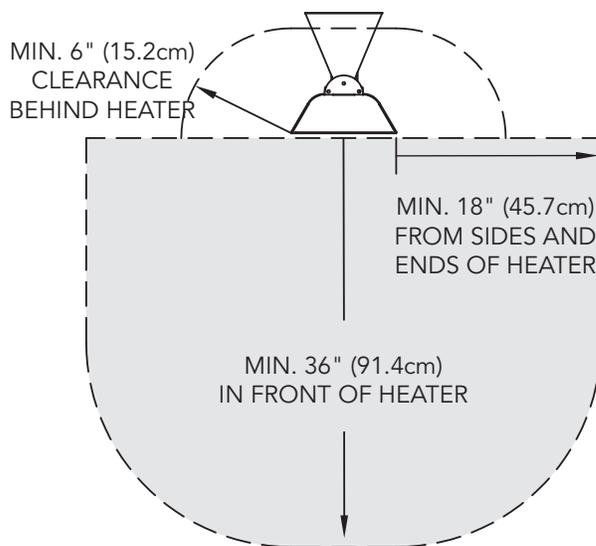
**WARNINGS-** Read all instructions before using heater:

Unit may be a source of possible shock. NEVER attempt to service heater without disconnecting its power source. Source of possible ignition.

**CAUTION-**High Temperature, risk of fire, keep electrical cords, drapery, furnishings and other combustibles at least 3' (0.9m) from the front of heater and away from sides and rear.

## MOUNTING HEIGHT/CLEARANCES

### CLEARANCE FROM COMBUSTIBLES:



- For Wall-Mounting, do not install heater closer than 18" (45.7cm) from adjacent walls and 6" (15.2cm) from ceiling and do not install less than 6' (1.8m) if the heater is labeled as UL Listed and 8' (2.4m) if the heater is labeled as UL/CUL Listed from floor, while heater is set at a downward angle of 30 to 60 degrees.
- For Ceiling-Mounting, do not install heater closer than 18" (45.7cm) from adjacent walls and 6" (15.2cm) from ceiling and do not install less than 6' (1.8m) if the heater is labeled as UL Listed and 8' (2.4m) if the heater is labeled as UL/CUL Listed from floor, while heater is at a maximum 30 degrees.
- Adjacent Heaters to be installed no less than 3' (0.9m) apart.
- Do NOT operate within 25' (7.6m) of flammable/explosive material.
- Never block heater.
- Heaters greater than 240 Volts are for "Commercial Use Only. Risk of fire. Do not use as a residential or household heater."
- A means for disconnection of the appliance must be incorporated in accordance with the local wiring codes.
- Do not use if the heating element is damaged or cracked.

**"IMPORTANT INSTRUCTIONS"**  
**"SAVE THESE INSTRUCTIONS"**

# WARNINGS



## WARNING

- Children should never be left alone or unattended in an area where this appliance is located. Install your heater well away from areas where children play. Do not store items that may interest children in or around the area of your heater.
- Never touch the heater face when hot. When in use, portions of the heater are hot enough to cause severe burns.
- Always maintain the required clearances from combustibles as detailed. The heater is designed for indoor or outdoor use.
- Electric heaters are not to be installed in or on recreational vehicles, portable trailers, boats or any other moving installation.
- Keep any electrical supply cord away from any heated surfaces.
- Do not repair or replace any part of the heater unless specifically recommended in this manual. Other service should be performed by a qualified technician.
- This appliance must be installed by a professional installer or technician.
- Product installation must meet local electric codes or, in the absence of local codes, the latest edition of the National Electrical Code ANSI/NFPA No. 70 or the Canadian Electrical Code CSA C22.1.
- Unit may be a source of possible shock. NEVER attempt to service heater without disconnecting its power source. Source of possible ignition.
- High Temperature, risk of fire, keep electrical cords, drapery, furnishings and other combustibles at least 3' (0.9m) from the front of heater and away from sides and rear.

**THIS MANUAL MUST REMAIN WITH THE PRODUCT OWNER FOR FUTURE REFERENCE.**



## WARNING

READ THIS MANUAL CAREFULLY and completely before using your heater to reduce the risk of:

1. Fire
2. Burn hazard, personal injury or property damage
3. Unapproved installation or servicing.

Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read this manual thoroughly before installation, use, or servicing of this product.



## WARNING

If not installed, operated and maintained in accordance with the manufacturer's instructions, this product can expose you to chemicals including nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# INSTALLATION INSTRUCTIONS

This heater must be permanently installed and hard wired by a licensed electrician in accordance with local electrical codes. Assembly procedure must be performed with no electrical power to unit.

Step 1: Check UL/CUL/CE label on heater for proper voltage.

Step 2: Follow supplied wiring instructions. (See wiring instructions below)

Step 3: Heater must be mounted with reflector angled down.

Step 4: All electrical connections must be in compliance with the National Electric Code (NEC) and local codes for outdoor wiring.

Step 5: Use only wiring components UL/CUL/CE listed for outdoor use with IPX4 minimum rating.

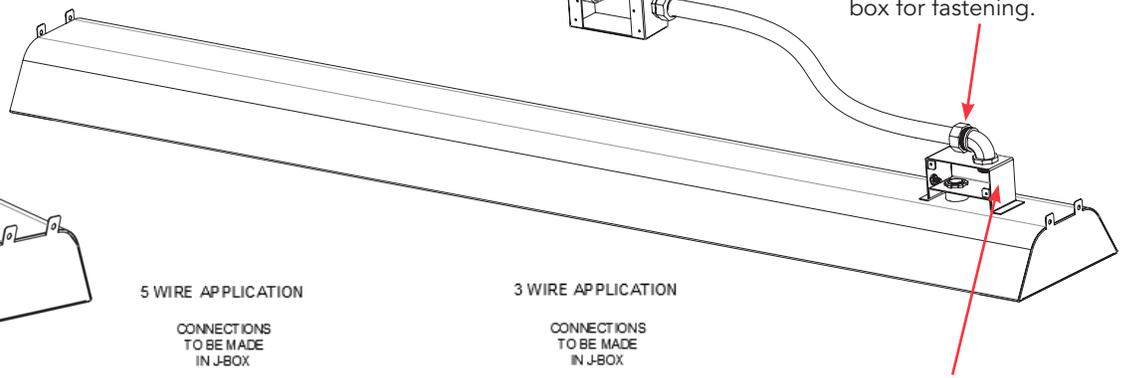
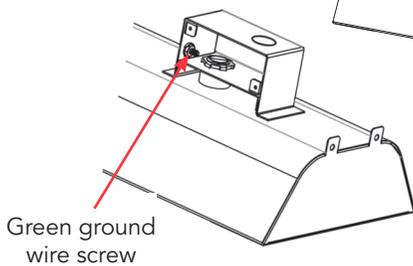
## WIRING INSTRUCTIONS

The heater is drilled and threaded for standard 1/2" conduit fittings. The installing electrician will need to provide the appropriate rigid metallic, flexible or liquid tight conduit for the installation location.

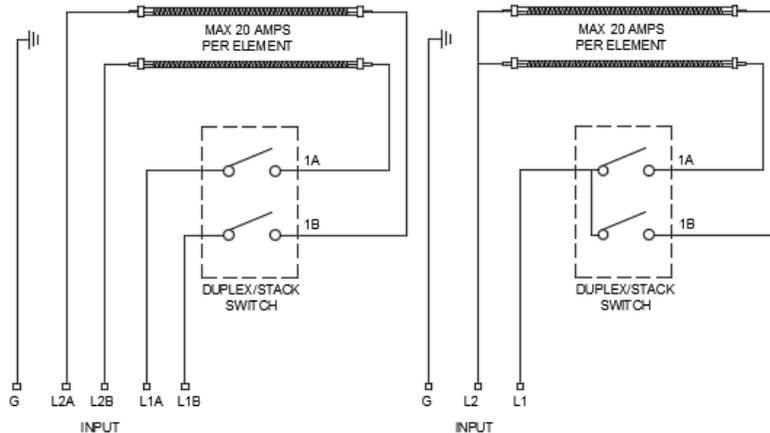
- Observe local electrical code regulations.
- Remove cover plate from junction box.
- Attach conduit.
- Use only copper wire suitable for 90°C.
- Replace cover plate.

Connect power with flexible conduit or appropriate cord to allow heater to be swiveled.

The Junction Box inlet hole is sized for a standard 1/2" weather tight conduit fitting and has a locknut located on the inside of the box for fastening.



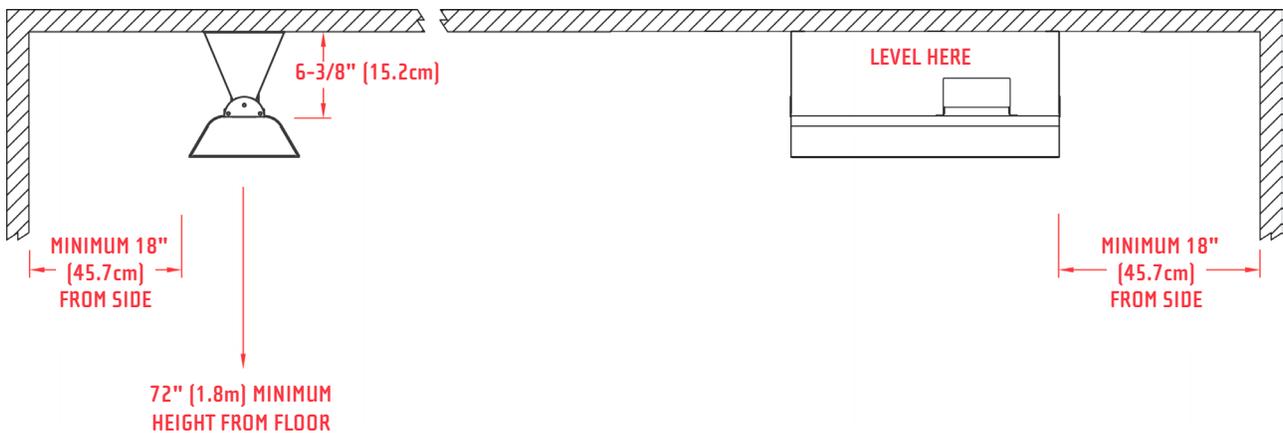
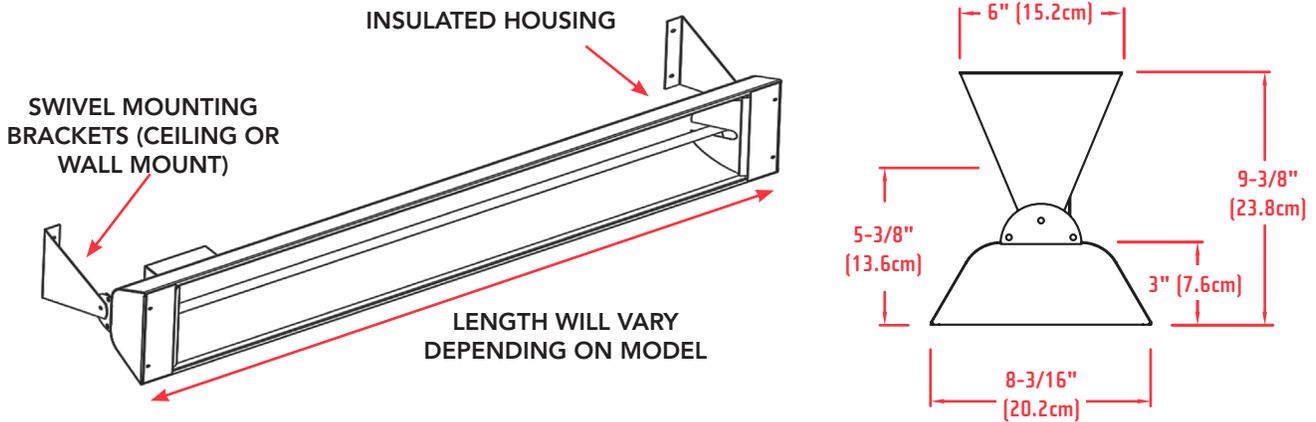
Junction Box on top of the heater has a gasket side access cover.



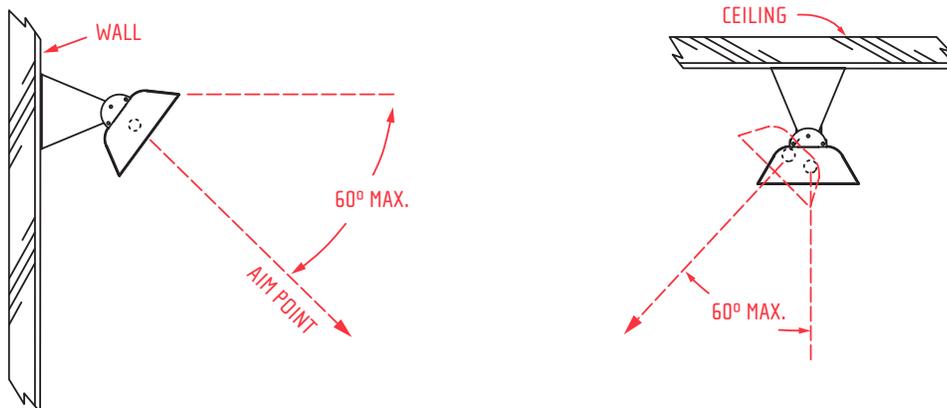
Duplex Stack Switch is Included with the heater.

# MOUNTING INSTRUCTIONS

These models may be chain or bracket mounted to any ceiling or horizontal surface. Installation must be such that 18" (45.7cm) minimum clearance is maintained around the heater on all four sides and 36" (91.4cm) directly in front. A minimum of 6" (15.24cm) of clearance provided by mounting brackets is required behind the plane of the face. Heater can be hung using chains or custom brackets. Heater must be level, but can be rotated around its horizontal axis.



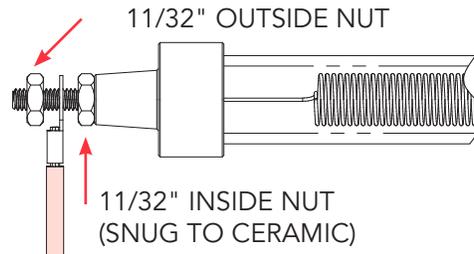
Heater must be installed with the quartz tube horizontally level. For maximum tube life, use a carpenter's level tool to find the optimum level position for the heater's body. Always maintain the minimum clearances from the heater body to any combustible materials.



# REPLACEMENT ELEMENT INSTALLATION

Disconnect the power at the breaker. Remove the grill by grasping it in the middle, flex grill up and lift it off. Unscrew and remove both end reflectors. Unhook element clips at each end of the heater and remove nuts from end of element to remove the existing quartz tube. Carefully install the new element. Remove one nut from end of the new element. Install wire by sliding high temperature ring terminal onto element screw and replace nut. Use a thin 11/32" wrench to hold inside nut. Nuts must make a tight connection. Close element clips over tube, reinstall end reflectors, then snap protective grill back in place.

NOTE: Hold ceramic element firmly while tightening nut to prevent damage to element. Nut should be tightened snug. A loose connection can cause the element to short or fail prematurely.



## REPLACEMENT ELEMENTS

PART NUMBER	ELEMENT NUMBER	LENGTH	WATTS	VOLTS	FITS
LERE2024	E-2024	36" (0.9m)	2000	240	LEH39
LERE3024	E-3024	58" (1.5m)	3000	240	LEH61

## REPLACEMENT PARTS (see diagram on page 12)

PART NUMBER	PART DESCRIPTION	QUANTITY NEEDED
36523	Dual Element End Reflector (Set of 2)	1
36525	Body Reflector – Fits 39" (1.0m)	1
36526	Body Reflector – Fits 61-1/4" (1.6m)	1
36528	Grill Guard – Fits 39" (1.0m)	1
36529	Grill Guard – Fits 61-1/4" (1.6m)	1
36531	Lead Wire Set – Fits 39" (1.0m)*	2
36532	Lead Wire Set – Fits 61-1/4" (1.6m)*	2
36533	SS Mounting Bracket (Set of 2)	1
FMKIT39	Flush Mount SS Plaster Frame – Fits 39" (1.0m)	1
FMKIT61	Flush Mount SS Plaster Frame – Fits 61-1/4" (1.6m)	1

\* Note: Dual Element Heaters require 2 Lead Wire Sets per Heater

# HEATER COVERAGE AREAS

## DUAL ELEMENT AREAS COVERED (FEET)

MODEL	WATTS	MOUNTING HEIGHT	AVERAGE	COLD	PROTECTED
LEH39	4,000	8' - 12' (2.4m - 3.7m)	8' x 10' (2.4m x 3.0m)	6' x 8' (1.8m x 2.4m)	10' x 12' (3.0m x 3.7m)
LEH61	6,000	10' - 14' (3.0m - 4.3m)	11' x 11' (3.4m x 3.4m)	10' x 10' (3.0m x 3.0m)	12' x 12' (3.7m x 3.7m)

NOTE: Mounting height should not be less than 6' (1.8m) if the heater is labeled as UL Listed and 8' (2.4m) if the heater is labeled as CUL Listed. Indoor or well-protected environments will generally exceed average. Heaters can provide less than average coverage in extremely cold/windy conditions.

## GENERAL NOTES

- LYNX QUARTZ TUBE ELECTRIC HEATERS are furnished with wall/ceiling mount swivel brackets. These brackets may be discarded when the heater is hung with chains, special bracketing, or used in conjunction with our flush mount frame.
- See sales literature and price list for full listing of models, descriptions, amperages, and voltages. At times, especially when the mounting height might be quite low, an increased number of smaller heaters can help prevent overheating.
- Dual Element Heaters can be wired with our Duplex/Stack Switch (provided see pg.5) which enables the ability to turn on and off each element independently, providing for half power/full power capabilities.
- For ideal comfort heat, the best solution is to heat from two sides rather than from just one side. However, there are times when this is not practical.
- Coverage areas are approximate dimensions and will vary depending on prevailing and personal comfort levels.
- Indoor or well-protected environments will generally exceed average (see charts). Heaters can provide less than average coverage in extremely cold/windy conditions.

## MAINTENANCE INSTRUCTIONS

- Before performing any maintenance, power must be disconnected and the heater cool to touch.
- Heater housing, reflectors, and heating element can be rinsed with a hose or wiped down with isopropyl alcohol, acetone, or glass cleaner. Use a clean, scratch-free rag or paper towel. Any oxidation, surface rust, or discoloration can be removed with a stainless steel cleaner or metal polish on the bare metal surface.
- Make sure all water, solvents, or cleaners are removed and the heater is dry before reconnecting the power.

# TROUBLESHOOTING

## TROUBLESHOOTING

### PROBLEM

### WHAT TO DO

Heater does not glow

- Check supply voltage to confirm it matches voltage of heating element.

Low heat output

- A 240V element connected to 110V or 208V will warm, but not glow orange or generate sufficient heat for typical applications (Matching your voltage is extremely important). If element is visibly orange, but there is insufficient heat, refer to the areas covered with respect to conditions and mounting heights.
- Replace or clean dirty or non reflective reflectors.

Heater does not work

- Disconnect power and check element with an ohm meter for continuity. If there is any continuity across the bulb, the problem is in the wiring/controls.
- Check that there is proper voltage to the heater.
- Check that the control/switch is working.
- Check main power circuit breaker.
- Check wiring for a loose connection or burned wire.

## LOCATION SUGGESTIONS

Unless heaters are installed over 12' (3.7m) high, it is generally recommended that all radiant heaters be mounted on an angle to assure that radiant warmth is distributed from the sides rather than straight down on the heads and shoulders of the people being warmed.

### RECOMMENDED POSITIONING



Angle fixture 30° to 60° from horizontal face down. Best angle is approximately 45°.

### INSTALLATION DIRECTION



Install fixture to heat the area from the "cold side" if possible. This helps compensate for increased body heat losses due to exposure. Warm floors re-radiate heat. Warmer air rises from the floor. Some heat reflects from the floor. Mounting a heater directly over a table or other obstruction will block the energy, primarily heating the object. It is best to move heater to the side, allowing complete body and floor coverage.

### OUTDOORS



When outdoors, hang heater under protective roof or wether cover whenever possible. Even though heater is all-weather construction, it will last longer and look better if it is protected from rain and snow.

# TROUBLESHOOTING...continued

## SHIPMENT DAMAGES

### VISIBLE LOSS OR DAMAGE

Be certain any visible damage to the carton is noted on freight bill or express receipt and signed by the person making delivery.

FILE CLAIM FOR DAMAGES IMMEDIATELY, regardless of extent of damage.

### CONCEALED LOSS OR DAMAGE

If damage is unnoticed until the heater is unpacked, notify the transportation company or carrier immediately and file a "concealed damage" claim with them. This should be done within (5) days of the date delivery is made to you. Be sure to hold on to the container for inspection. We cannot assume responsibility for damage or loss incurred in transit.

## CONTACTING LYNX CUSTOMER CARE

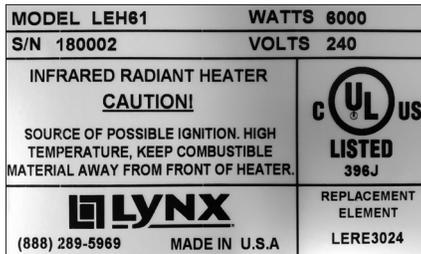
Before calling Lynx Customer Care, please make sure you have the following information:

- Model number
- Date of purchase
- Proof of purchase by the original owner
- Serial number

For warranty service, contact the Lynx Customer Care Department for an authorized service agent near you at:  
**(888) 289-5969**  
**[www.lynxgrills.com](http://www.lynxgrills.com)**

Your satisfaction is of the utmost importance to us. If a problem cannot be resolved to your satisfaction, please write, fax or email us:

Lynx Professional Grills  
7300 Flores Street  
Downey, CA 90242  
Service: (888) 289-5969  
Tel: (562) 299-6900  
Fax: (562) 299-6978  
email: [service@lynxgrills.com](mailto:service@lynxgrills.com)  
[www.lynxgrills.com](http://www.lynxgrills.com)



**Important:** Please retain original proof of purchase to establish warranty period.

Any implied warranties of merchantability and fitness applicable to the equipment are limited in duration to the period of coverage of this express written warranty. This warranty grants specific legal rights to the purchaser. Other rights, which may vary from state to state, may also apply. Title to the merchandise passes to the consignee upon acceptance by the carrier. After acceptance by the carrier, the merchandise travels at the risk of the purchaser. In the event of freight damage, do not refuse shipment. Advise both the freight agent and the shipper of the damage. Note the details of that damage on the freight bill before any freight charges are paid and file a claim for damages with the freight agent.

---

## ABOUT LYNX

---

---

## THE LYNX STORY

---

Lynx began with a vision.

A small group of manufacturing engineers with over a century of collective experience had a dream. They dared to take their extensive commercial manufacturing know-how and create a line of outdoor cooking products that offer commercial elegance and performance to the consumer market.

Lynx has taken the quality, workmanship, service and innovation of the commercial market and incorporated it into the Lynx Professional Grills line of consumer and commercial products. The combination of creative design, superior materials and exceptional craftsmanship elevates Lynx products to a class of their own.

Lynx original commercial products are used every day in restaurants, hotels and theme parks across the USA:

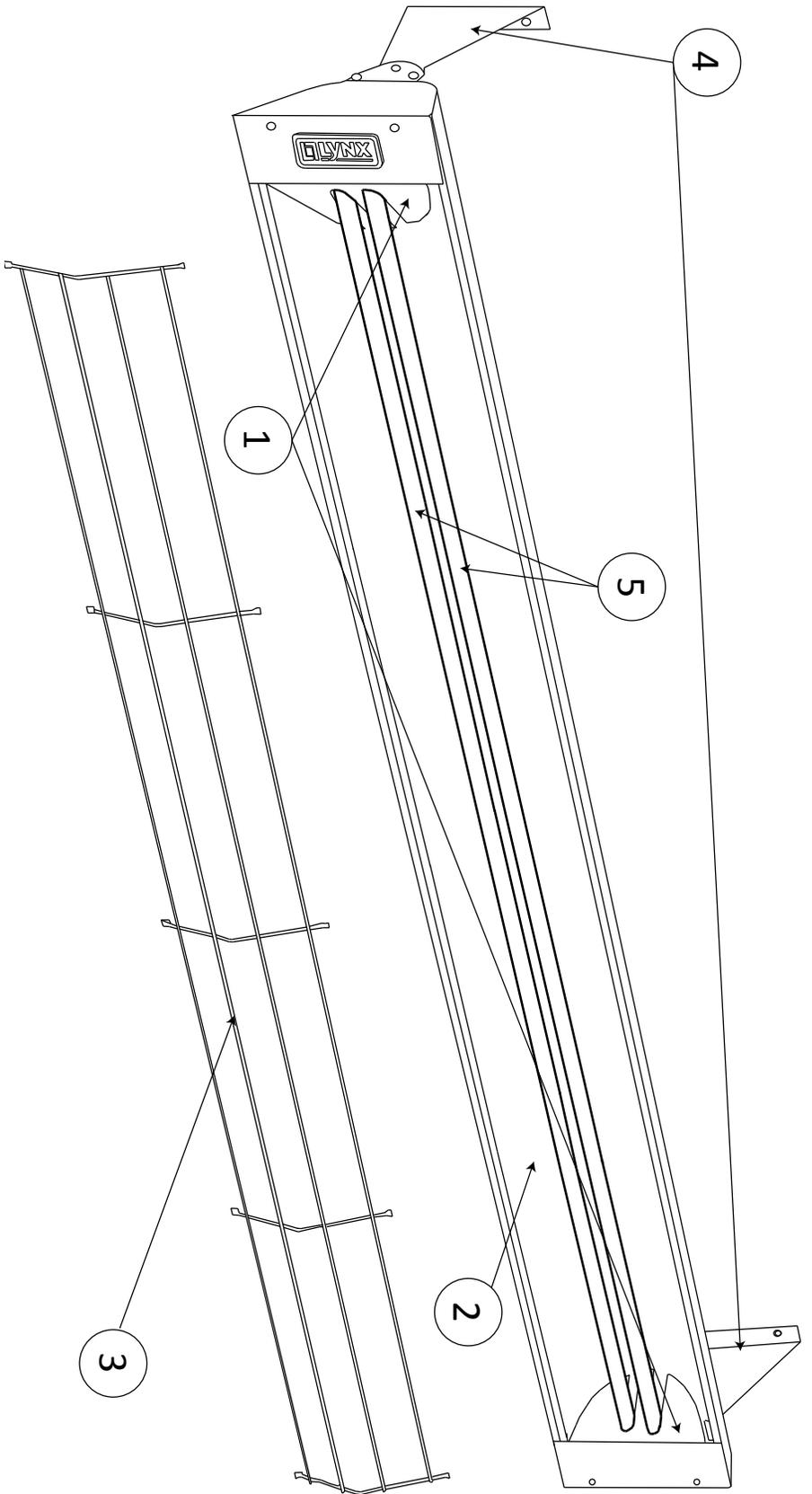
---

### LYNX SATISFIED CUSTOMERS

---

- TGI Fridays
- Applebee's
- Houston's
- Red Lobster
- Hard Rock Café
- Wolfgang Puck's
- Cheesecake Factory
- Red Robin
- Planet Hollywood
- Hilton
- Hyatt
- Four Seasons Marriott  
Le Meridian
- Sheraton
- Conrad International
- Bellagio
- New York New York
- MGM Grand
- Treasure Island
- Mirage
- Paris
- Venetian
- Excalibur
- Mandalay Bay
- Riviera
- Desert Inn
- Hard Rock Hotel
- Disney World

# EXPLODED PARTS DIAGRAM



PART NUMBER	PART DESCRIPTION	QUANTITY NEEDED
1 36523	Dual Element End Reflector (Set of 2)	1
2 36525	Body Reflector – Fits 39" (1.0m)	1
2 36526	Body Reflector – Fits 61-1/4" (1.6m)	1
3 36528	Grill Guard – Fits 39" (1.0m)	1
3 36529	Grill Guard – Fits 61-1/4" (1.6m)	1
36531	Lead Wire Set – Fits 39" (1.0m)*	2
36532	Lead Wire Set – Fits 61-1/4" (1.6m)*	2
4 36533	SS Mounting Bracket (Set of 2)	1
5 LERE2024	Heating Element – Fits 39" (1.0m)	2
5 LERE2025	Heating Element – Fits 61-1/4" (1.6m)	2

# LYNX LIMITED WARRANTY

This warranty extends to the selling dealers to the original purchaser at the original site of installation: This warranty becomes valid at the time of purchase and ends either by specified time frame listed above, owner transfer or relocation. In order to activate the warranty we require that you send in the provided warranty registration form. This registration is for our internal use only and will only be used in the event we need to send you important safety related product information. The information will not be sold or used for any marketing related purposes.

## I. Limited One-Year Warranty

For a period of one (1) year from the original date of purchase, Lynx will replace or repair parts found to be defective at no cost to the original purchaser. This includes the cost of shipping replacement parts and, where necessary, service labor at prevailing local rates by a Lynx authorized service person. Service will be provided during normal business hours and must be authorized in advance by Lynx.

## II. Limited Two-Year Warranty

Lynx warrants that this electric heater is designed and manufactured to be free from defects in materials and workmanship for a period of TWO YEARS from original date of purchase. This warranty is limited to the replacement of the defective parts, with the consumer paying all labor costs.

## III. Limitations & Exclusions

- 1) This Warranty shall apply to products purchased and located in the United States and Canada. Products must be purchased in the country where service is requested.
  - 2) Warranty applies only to the original purchaser and may not be transferred.
  - 3) Warranty is in lieu of all other warranties expressed or implied and all other obligations or liabilities related to the sale or use of Lynx products.
  - 4) Warranty **shall not apply** and Lynx is not responsible for damage resulting from negligence, misuse, abuse, failure to provide reasonable and necessary maintenance, natural disaster, animals, alteration of or tampering with the appliance, accident, hostile environment, unauthorized adjustments or calibrations, dings/dents/scratches, damages due to harsh chemicals (i.e. cleaning products improperly applied), improper installation or operation, or an installation not in accordance with the instructions contained in this manual, or the local codes.
  - 5) Lynx shall not be liable for incidental, consequential, special or contingent damages resulting from its breach of this written warranty or any implied warranty.
  - 6) Some states do not allow limitations on how long an implied warranty lasts, or the exclusions of or limitations on consequential damages. This warranty gives you specific legal rights and you may have other rights which vary from state to state.
  - 7) No one has the authority to add to or vary Lynx's warranty, or to create for Lynx any other obligation or liability in connection with the sale or use of its products.
  - 8) Limited to the replacement of defective parts with the owner paying all other costs including labor.
- ### III. What is not covered: Lynx shall not be responsible for and shall not pay for the following
- 1) Installation or start-up, damages or problems caused by improper installation or use;
  - 2) Service by an unauthorized service provider;
  - 3) Damage or repair due to service by an unauthorized service provider or use of unauthorized parts;
  - 4) Warranty does not apply to products installed in any commercial or non-residential application. Examples of excluded applications include, but are not limited to day care centers, schools, bed and breakfast centers, churches, private clubs, fire stations, club houses, common areas in multi-family dwellings, restaurants, hotels, nursing homes, food service locations and institutional food service locations. \*Contact Lynx for Common Area Warranty.
  - 5) To correct normal adjustments or settings, due to improper installation.
  - 6) Shipping and handling costs, export duties, installation, removal, or re-installation cost (RMA excluded).
  - 7) Display models are sold "as is". If you have purchased a display model, please be advised that it is sold "as is" and that it is subject to the following warranty exclusions: any exterior or cosmetic damage is nonwarrantable; any missing components will be replaced at consumers expense; major handling damage to unit will be serviced at consumer's expense; all other warranties will remain in effect.
  - 8) The cost of a service call to diagnose complaint.
  - 9) Modification to Lynx product will void related warranties.



Lynx Grills, Inc.

7300 Flores Street Downey, CA 90242

Service: (888)-289-5969 Fax: (562) 299-6978

[www.lynxgrills.com](http://www.lynxgrills.com)