

DETROIT RADIANT

**RE-VERBER-RAY**

RADIANT GAS HEATERS®

PRODUCTS COMPANY

SERIES

LD

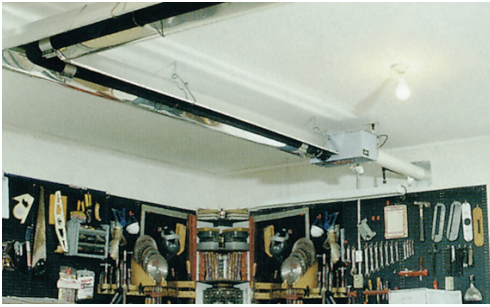
LS

# LS SERIES

## RESIDENTIALLY APPROVED GAS FIRED INFRA-RED HEATERS

The LS Series single stage heater represents the finest in single stage, low BTU infra-red tube heaters. Designed for lower mounting heights, the LS Series is ideal for low ceiling commercial/ industrial areas such as entranceways, mezzanines, lunch rooms and restaurant patios. Specific models are suitable in residential garages, enclosed swimming pools, solariums and porches.

RESIDENTIAL / LOW MOUNT



### PRODUCT FEATURES

- BTU/H Inputs of 25,000 to 50,000.
- Available in Tube Lengths of 10 to 30 Ft.
- Coated Titanium Treated Combustion Chamber.
- Coated Aluminized Steel Radiant Tubes.
- Highly Polished Aluminum Reflectors.
- External Operational Indicator Lights.
- Potted (water resistant) Circuitry.
- Hot Surface Ignition with Flame Rod Sensing.
- Specific Models Residentially Certified.

### PRODUCT FEATURES COMPARISON CHART

	LD	LS	OTHER
Highly Polished Aluminum Reflectors	•	●	
Coated Titanium Treated Combustion Chamber	•	●	
Coated Aluminized Radiant Tubes	•	●	
Hot Surface Ignition	•	●	
Flex Connector (24" Stainless Steel)	•	●	
Gas Cock (1/2" Brass) with Pressure Tap Included	•	●	
Two-stage Technology	•		
Interlocking Swaged Tubes	•	●	
Stainless Steel Upgrades Available	•	●	
Reflector End Caps Included	•	●	
Optional 'U' or 'L' Configurations Available	•	●	
24 Volt Controls Standard	•		

### DETROIT RADIANT PRODUCTS CO.

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### VISIT OUR WEBSITE FOR:

- Product Specs
- Parts Support
- Dealer Locator
- Applications
- C.A.D. Library
- Design Guidelines
- Theory of Infra-red
- and More!

# LS SERIES

## SPECIFICATIONS



### PRODUCT SPECIFICATIONS

<b>BTU Range:</b>	25-50 MBH
<b>Lengths:</b>	10-30 Ft.
<b>Gas Type:</b>	Natural or Propane
<b>Combustion Chamber:</b>	Coated Titanium Treated Steel
<b>Radiant Tubes:</b>	Coated Aluminized Steel
<b>Certification:</b>	CSA, IAS
<b>Limited Warranty:</b>	1-3-5 (Components-Tubes-Burner)

### OPTIONAL EQUIPMENT

<b>“U” or “L” Configurations:</b>	Available (DB-TF1B, DB-E6)
<b>Stainless Steel Upgrades:</b>	Available (SSRAO, SSFWAO, SSCBAO)
<b>24V Controls:</b>	Available (24VAO)
<b>Indicator Lights:</b>	Standard
<b>Protective Guards:</b>	Available (PG)
<b>Side Shield Extensions:</b>	Available (SSE)
<b>Outdoor Approval:</b>	Available (OD-KIT)

### ELECTRICAL

- 120V, 60Hz, 3-wire
- 4.8A starting, 1.1A running
- 120V controls

### CONTROLS

- Pre-purge
- Potted circuitry
- 120V thermostat control

### TUBE CONSTRUCTION

- As shown at left
- 3" x 10' 16 ga. construction
- Labor saving, interlocking swaged tube design

### REFLECTORS

- Highly polished aluminum
- End caps included
- Reflector tension springs
- 0° - 45° rotatable angle

### IGNITION/SENSE

- Hot surface ignition
- Flame rod sense

### VENTING

- 3" single vent
- 4" common vent (with single thermostat)

### GAS CONNECTION

- 1/2" NPT ball valve/inlet tap included
- 24" stainless steel flexible connector included

### GAS PRESSURES

- MAN. - 3.5" NAT or 10.0" LP
- MIN. - 5.0" NAT or 11.0" LP
- MAX. - 14.0" NAT or 14.0" LP

### COMBUSTION AIR

- Equipped for ducted air intake from roof or sidewall

### KIT CONTENTS

- All hangers & couplers
- Reflector end caps
- Stainless steel turbulator/heat baffle(s)

## AVAILABLE LS MODELS & CLEARANCES

MODEL #	GAS*	BTU/H	LENGTH	WEIGHT	RECOMMENDED MOUNTING HEIGHTS**
LS-10-25	N or LP	25,000	12' - 1"	70#	8' to 11'
LS-10-30	N or LP	30,000	12' - 1"	70#	8' to 11'
LS-10-40	N or LP	40,000	12' - 1"	70#	10' to 14'
LS-15-40	N or LP	40,000	16' - 10"	85#	8' to 13'
LS-15-50	N or LP	50,000	16' - 10"	85#	10' to 15'
LS-20-40	N or LP	40,000	21' - 10"	100#	8' to 13'
LS-20-50	N or LP	50,000	21' - 10"	100#	9' to 15'
LS-30-50	N or LP	50,000	31' - 7"	120#	10' to 14'

Models approved for Both commercial/industrial and residential use.

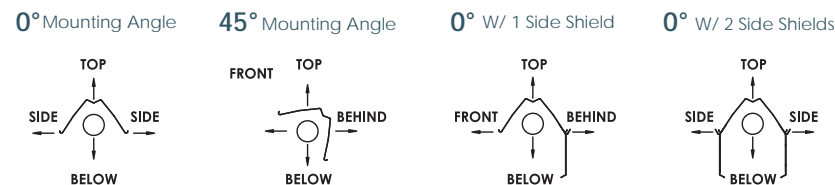
Models approved for Commercial/industrial use only.

See Installation Manual For Complete Information.

\* Specify natural (N) or propane (LP) gas.

\*\* Recommended mounting heights are provided as a guideline. Actual conditions may dictate variations from the above data.

**NOTICE:**  
If the heater is mounted below 8 feet, protective guards (PG) are required.



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### LS CLEARANCES TO COMBUSTIBLES (IN.)

MODEL NO.	MOUNTING ANGLE	SIDE		TOP	BELOW
		FRONT	BEHIND		
LS-10-(25, 30)	0°	8	8	4	36
	45°	39	8	10	36
W/1 side shield	0°	29	8	4	36
W/2 side shields	0°	9	9	4	36
20 ft. from burner	0°	NA	NA	NA	NA
LS-(10, 15, 20)-40	0°	15	15	6	45
	45°	58	8	10	45
W/1 side shield	0°	42	8	6	45
W/2 side shields	0°	20	20	6	45
20 ft. from burner	0°	NA	NA	NA	NA
LS-15-50	0°	11	11	6	48
	45°	39	8	10	48
W/1 side shield	0°	29	8	6	48
W/2 side shields	0°	16	16	6	48
20 ft. from burner	0°	NA	NA	NA	NA
LS-(20, 30)-50	0°	11	11	6	48
	45°	39	8	10	48
W/1 side shield	0°	29	8	6	48
W/2 side shields	0°	16	16	6	48
20 ft. from burner	0°	7	7	6	30

Always maintain the published clearances to combustibles. Place signs where necessary in accordance with ANSI Standards. Clearances published in LS Series manual and on warning label supersede data shown on this brochure.