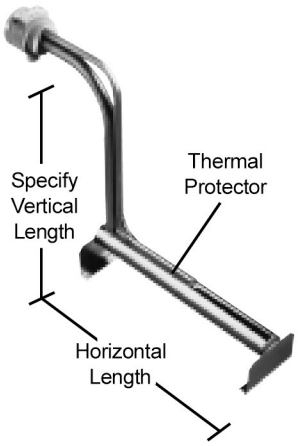


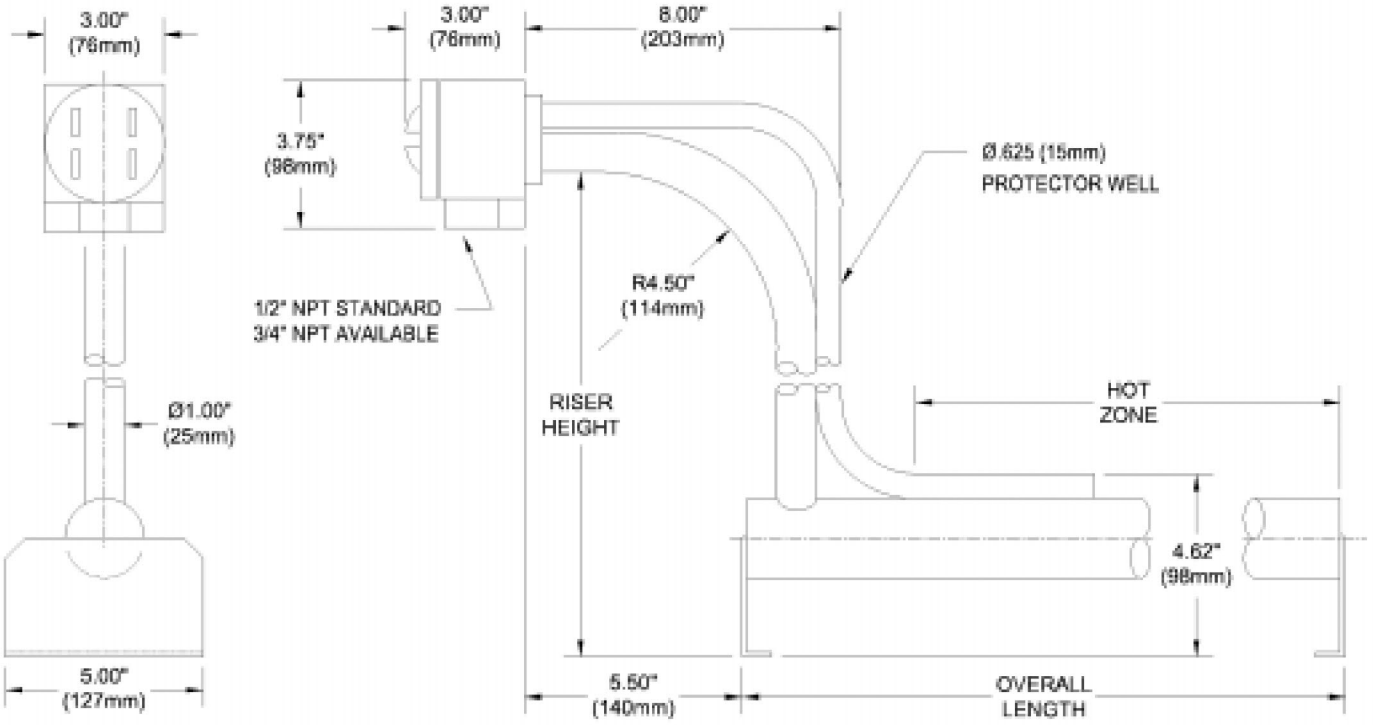
L SERIES, METAL L-SHAPED HEATERS								
WATTS	VOLTS	HORIZ. In./(mm)	STD. VERT.* In./(mm)	STEEL	304 SS	316 SS	TITANIUM	SHIP WGT. Lbs./(kg)
1000	120	13	15	LP1113-R*-**	LF1113-R*-**	LS1113-R*-**	LT1113-R*-**	10
	240	(330)	(380)	LP1213-R*-**	LF1213-R*-**	LS1213-R*-**	LT1213-R*-**	(4.5)
2000	120	17	19	LP2117-R*-**	LF2117-R*-**	LS2117-R*-**	LT2117-R*-**	11
	240	(430)	(485)	LP2217-R*-**	LF2217-R*-**	LS2217-R*-**	LT2217-R*-**	(5)
	480			LP2417-R*-**	LF2417-R*-**	LS2417-R*-**	LT2417-R*-**	
3000	240	22	25	LP3222-R*-**	LF3222-R*-**	LS3222-R*-**	LT3222-R*-**	12
	480	(560)	(635)	LP3422-R*-**	LF3422-R*-**	LS3422-R*-**	LT3422-R*-**	(5.5)
4000	240	26	25	LP4226-R*-**	LF4226-R*-**	LS4226-R*-**	LT4226-R*-**	13
	480	(660)	(635)	LP4426-R*-**	LF4426-R*-**	LS4426-R*-**	LT4426-R*-**	(6)
5000	240	31	37	LP5231-R*-**	LF5231-R*-**	LS5231-R*-**	LT5231-R*-**	14
	480	(790)	(940)	LP5431-R*-**	LF5431-R*-**	LS5431-R*-**	LT5431-R*-**	(6.5)
6000	240	36	50	LP6236-R*-**	LF6236-R*-**	LS6236-R*-**	LT6236-R*-**	15
	480	(915)	(1270)	LP6436-R*-**	LF6436-R*-**	LS6436-R*-**	LT6436-R*-**	(7)
8000	240	44	50	LP8244-R*-**	LF8244-R*-**	LS8244-R*-**	LT8244-R*-**	18
	480	(1120)	(1270)	LP8444-R*-**	LF8444-R*-**	LS8444-R*-**	LT8444-R*-**	(8)
9000	240	50	50	LP9250-R*-**	LF9250-R*-**	LS9250-R*-**	LT9250-R*-**	20
	480	(1270)	(1270)	LP9450-R*-**	LF9450-R*-**	LS9450-R*-**	LT9450-R*-**	(9)
10000	240	55	50	LP10255-R*-**	LF10255-R*-**	LS10255-R*-**	LT10255-R*-**	22
	480	(1400)	(1270)	LP10455-R*-**	LF10455-R*-**	LS10455-R*-**	LT10455-R*-**	(10)
12000	240	64	50	LP12264-R*-**	LF12264-R*-**	LS12264-R*-**	LT12264-R*-**	25
	480	(1625)	(1270)	LP12464-R*-**	LF12464-R*-**	LS12464-R*-**	LT12464-R*-**	(11.5)

* Specify vertical length by adding height in inches after "-R". Example:LS2217-R24-PLI.

Product Features and Benefits:

- **SUPERIOR CHEMICAL RESISTANCE**: Materials available for use in most aqueous alkaline solutions, plating solutions, and rinse tanks. Check solution recommendation chart or with your chemical supplier for proper sheath material selection.
- **RUGGED CONSTRUCTION**: Heavy wall metal sheaths available in:
  - Steel.
  - 304 stainless steel.
  - 316 stainless steel.
  - Titanium.
- **OUTSTANDING PERFORMANCE**: Watt densities of 35 watts per square inch (5.4 w/cm^2) ensure long service life. Two-inch sludge legs standard.
- **EVEN HEATING**: Bottom design for even heating and varying liquid levels.
- **CORROSION RESISTANT HEAD**: Vapor tight, flame retardant polypropylene terminal enclosure with 3-foot (.9m) flexible PVC liquid tight conduit.
- **SAFETY FEATURES**:
  - Grounded construction.
  - Thermal protector built in. Replaceable PLI fuse standard for solutions up to 180°F (82°C).
  - Non-floating construction.
- **CERTIFICATIONS**: UL (except steel sheath), CSA, and CE.
- **SIZES**: 1,000 watts to 12,000 watts.
- **VOLTAGES**: 120, 240 or 480 volts. 208, 380, 415, 600 and other voltages available. Single phase standard, three phase available.
- **OPTIONS AVAILABLE** (consult factory):
  - Replaceable thermal protectors:
    - PLIM: for solutions from 180°F (82°C) to 230°F (110°C).
    - PLIH: for solutions from 230°F (110°C) to 300°F (150°C).
  - Resettable thermal protectors:
    - PLII: for solutions up to 180°F (82°C).
    - PLIIM: for solutions from 180°F (82°C) to 230°F (110°C).
    - PLIIH: for solutions from 230°F (110°C) to 300°F (150°C).
  - Special configurations and vertical lengths.
  - Longer wire and conduit lengths.
  - Longer sludge legs.
  - Flexible risers. (Available with PLII thermal protectors only.)
  - Lower watt densities for highly viscous solutions.
  - Temperature and level controls sized to match the heater.

DIMENSIONS



SINGLE TUBE METAL L-SHAPED HEATER ORDERING INFORMATION

Series

LP = steel
LF = 304 stainless steel
LS = 316 stainless steel
LT = titanium

Wattage

1 = 1000
2 = 2000
3 = 3000
4 = 4000
5 = 5000
6 = 6000
8 = 8000
9 = 9000
10 = 10000
12 = 12000

Voltage

1 = 120
2 = 240
4 = 480
-208- = 208
-380- = 380
-415- = 415
-600- = 600

Horizontal Length

13 = 1kW
17 = 2kW
22 = 3kW
26 = 4kW
31 = 5kW
36 = 6kW
44 = 8kW
50 = 9kW
55 = 10kW
64 = 12kW

Vertical Length

-R15 = 1kW
-R19 = 2kW
-R25 = 3kW
-R25 = 4kW
-R37 = 5kW
-R50 = 6kW
-R50 = 8kW
-R50 = 9kW
-R50 = 10kW
-R50 = 12kW
(custom lengths available)
Ex: -R21 = 21"
-FR = flex riser
Ex: -FR21 = 21'

Riser Option

no designator = 90° horizontal bend (standard)
-S = straight riser

Options

-X = any special configuration not called out in the part number (specify in clear text)
no designator = single phase power (standard)
-3 = three phase power

Type of Fuse

Replaceable Fuse	
-PLI (std)	for solutions up to 180°F
-PLIM	for 180° - 230°F solutions
-PLIH	for 230° - 300°F solutions
Resettable Fuse	
(additional control components required)	
-PLII	for solutions up to 180°F
-PLIIM	for 180° - 230°F solutions
-PLIIH	for 230° - 300°F solutions

Wire and Conduit Length

no designator = 36" length standard
specify variations from standard
Ex: -X84 = 84" wire and conduit

ORDERING EXAMPLE:

LT4226-R20-PLII-X72

L-shaped, titanium, 4,000 watts, 240 volt, 26" horizontal, 20" vertical riser, PLII fuse, 72" wire and conduit.

PROCESS TECHNOLOGY

ALLIED PLATING SUPPLIES, INC.
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