

# Large Wall Heater LPW-ECO2S Series



**Pic-A-Watt**  
Selectable Wattage Element®



**Model Code:**

LPW 24 45 -T -A -0G  
A B C D E F

- A: Series
- B: 12 - 120V 24 - 240V  
20 - 208V 27 - 270V
- C: Watts (1250 to 4500)
- D: Thermostat (optional)
- E: Color
- F: Retrofit Grill



- ECO2S Electronic Controller
- Energy Efficient 2-Stage Heating
- Remote Control Included
- Pic-A-Watt® Element
- Patented Smart Limit Protection®
- 5-Blade Aluminum Fan
- 20 gauge powder-coated grill
- Long life Unit Bearing Motor
- Standard color: White
- Brushed Nickel and Bronze options available
- 120, 208, or 240
- 5-year limited warranty



## The LPW-ECO2S Series 2-Stage Wall Heater with IR Remote Control

King redefines comfort with the smart series LPW-Eco2S. Combining a sleek and modern architectural design with the unparalleled performance, energy efficiency and user control of the ECO2S 2-stage electronic controller with remote. The LPW-ECO2S delivers maximum energy efficiency with automatic 2-stage heating, automatically uses the lowest wattage needed to heat the room. Includes both fan only and timer mode options, as well as a remote control for simple operation. King's exclusive dual Pic-A-Watt steel fin elements allow customers to select from a range of wattage options, tailoring the heater to an area's specific heating requirements, up to 4500W. An ideal choice for both residential and commercial applications.

### Ordering Information

\*Add suffix -BN for optional Brush Nickel color or Add suffix -BRZ for optional Bronze color

MODEL	UPC	VOLTS	WATTS	AMPS	SHIP WEIGHT lbs
LPW1227-ECO	11048	120	1250•1500•1750•2000•2250•2750	10.4-22.9	19
LPW2045-ECO	11049	208	2250•2750•3000•3250•3500•3750•4000•4500	10.8-21.6	19
LPW2445-ECO	11050	240/208	2250•2750•3000•3250•3500•3750•4000•4500	9.4-18.8	19

\*Dual rated heaters will draw 13% less amps and 25% less wattage when operated at 208V.

### Engineering Specifications

*Contractor shall supply and install LPW-ECO2S Series in-wall mounted forced-air electric heaters manufactured by King Electrical Mfg. Company, of the wattage and voltage as indicated on the plans.*

**Motor:** Heavy-duty, cast iron, unit bearing, permanently lubricated with 20cc oil reservoir, 1440 RPM. Enclosed impedance protected with intake air cooling motor for increased bearing life.

**Fan:** High efficiency, dynamically balanced 5-blade aluminum fan. 185 CFM.

**Electronic Control:** Up, down temperature mode. Start/Stop. Standard on all heaters. The control voltage is equal to the line voltage.

**Elements:** Element assemblies shall consist of three steel sheathed heating tubes in a furnace-brazed, plate-finned, block design. Each sheathed tube shall contain coiled Ni-Chrome wire, embedded in an insulator of Magnesium Oxide. The element assembly shall provide up to seven (7) possible wattage configurations available for selection during field installation. The use of external resistors, diodes, or other weak links to obtain multiple wattages will not be accepted.

**Thermal Overload:** Heaters shall be equipped with King's patented thermal overload Smart Limit Protection®, which disconnects elements and motor in the event normal operating temperatures are exceeded. If thermal overload trips due to abnormal operating temperatures, thermal overload shall remain open until manually reset by turning the heater off for 15 minutes.

**Fan / Heat / Off:** Electronic Controller provides heating and summer fan-only operation.

**Wall-box:** 20 gauge electro-galvanized steel with factory installed ground-wire. Minimum 4" clearance to floors and 6" to sidewalls. Zero clearance to combustibles in the wall. Recommended 10" clearance to floors and 16" to sidewalls.

**Grill:** 20 gauge steel finished in a gloss white, powder-coated paint.

**Options:** Wired for remote thermostat, retrofit grill, and surface wall-box.

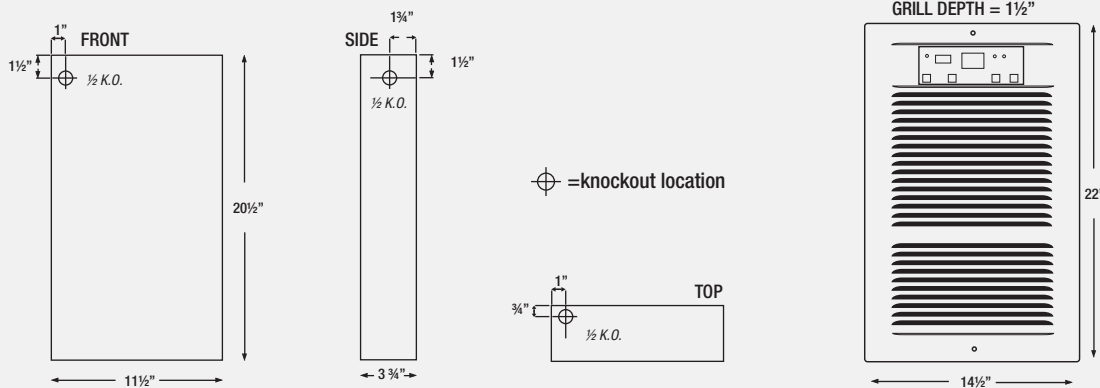
**Approvals:** cULus

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## Dimensional Data



## Options

ADD SUFFIX	DESCRIPTION	WEIGHT lbs
-BR	Bronze Color	19
-BN	Brush Nickel	19
-I	Interior and Grill Only (no wall can)	12.5
-H	Interior Only (no wall can or grill)	8.5

## Accessories

MODEL	DESCRIPTION	WEIGHT lbs
UWIC	Recess Wall Can	6.5
LPWSC-S2-W	LPW Series 2 Surface Can - White	7.5
LPWSC-S2-BRZ	LPW Series 2 Surface Can - Bronze	7.5
LPWSC-S2-BN	LPW Series 2 Surface Can - Brush Nickel	7.5
LPWG-ECO-W	LPW ECO Grill - White	4.5
LPWG-ECO-BRZ	Grill - Bronze	4.5
LPWG-ECO-BN	Grill - Brush Nickel	4.5

Exploded View



LPWSC-S2-W

