

## LFFE- Large Full Flat Element

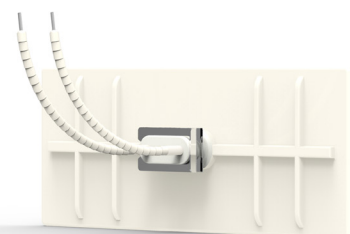
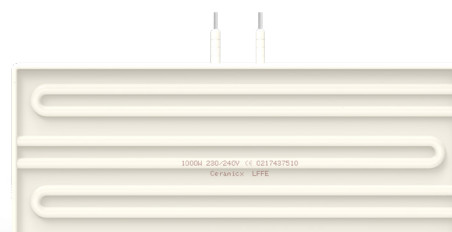
### Properties

The standard range of ceramic infrared elements in stock are used in a wide range of industrial and engineering applications such as thermoforming, packaging, paint curing, printing, drying, gluing, sterilisation, roasting etc. They are also very effectively used in infrared outdoor heaters and saunas.

Most plastics and many other materials absorb infrared best in the wavelength range of 2-10  $\mu\text{m}$ , which makes the ceramic heater the most popular radiant emitter on the market.

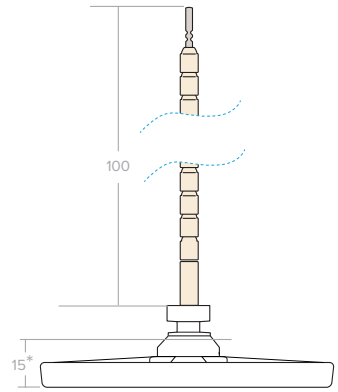
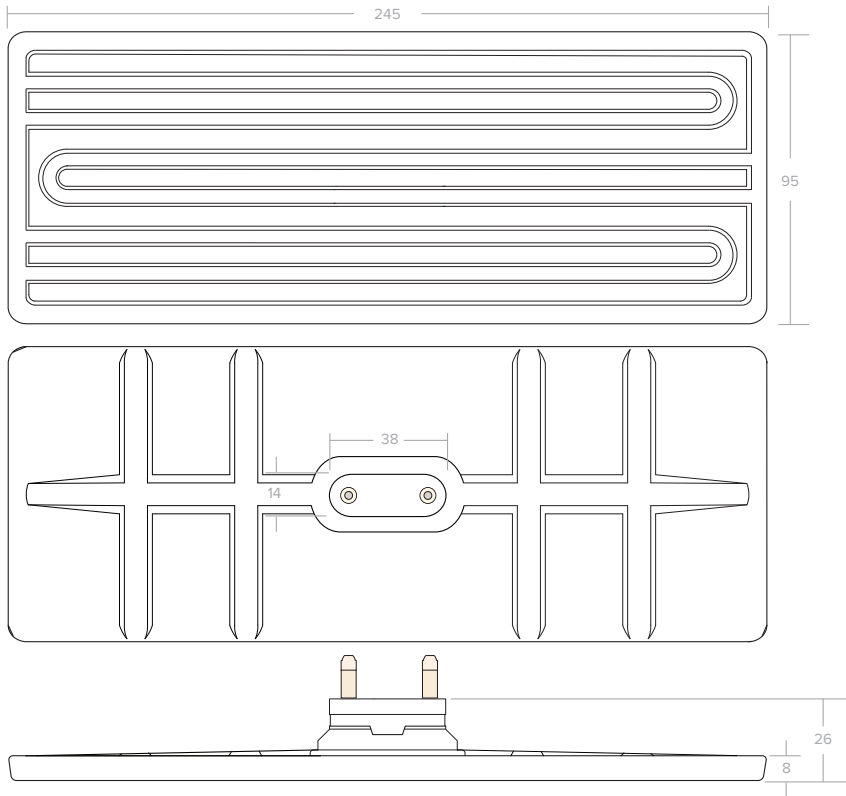
### Technical specification

Material	Ceramic solid body in white glaze colour with an embedded resistance heating coil
Heater Voltage	230 V (standard)
Operating Temperature	Max permissible 750°C
Useful wave-length range	2 - 10 $\mu\text{m}$ (microns) long wavelength
Dimensions	245 x 95 x 26 mm
Average weight	297 g
Electric connection	100 mm ceramic beaded power leads
Assembly	Recommended radiation distance from heater is 100mm to 200mm. Mounting slot size oval 15x42 mm Steel wave spring and clip set included
Recommended Spacing	5mm minimum spacing between elements
Average operating life	Up to 20 000 hrs depending on conditions
Standards	CE
Packaging w x h x d	266 x 110 x 48 mm



### Standard assortment

Model LFFE	Power W	Mean Surface Temperature °C	Max Power Density kW/m <sup>2</sup>
LFFE 150	150	204	6
LFFE 350	350	338	14
LFFE 650	650	428	26
LFFE 750	750	501	30
LFFE 1400	1400	667	56

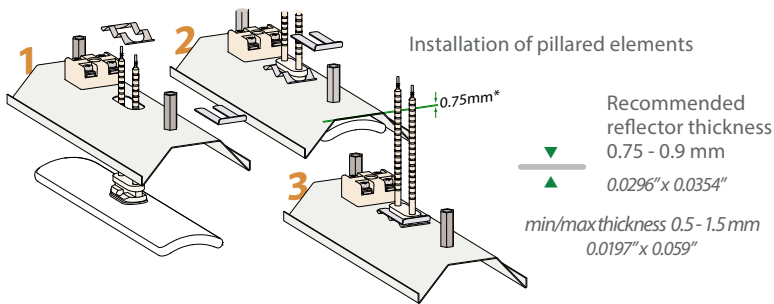


**LFFE LARGE FULL FLAT ELEMENT**  
2910.20

Tolerances apply, all dimensions mm.  
\* Face of reflector - face of element  
using 0.75mm reflector, mounting  
slot size 15 x 42 mm

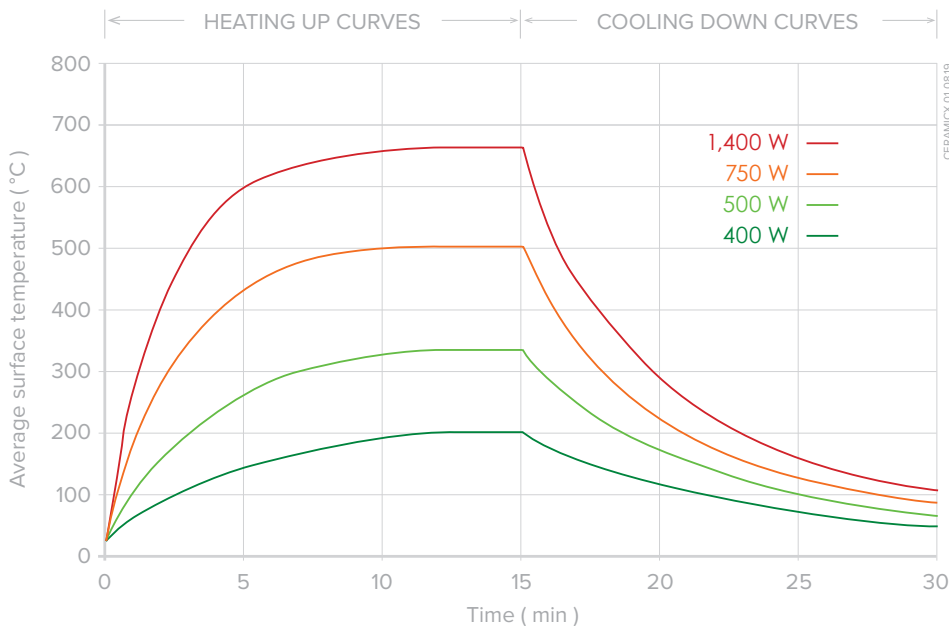


Comes with  
Wave  
Spring  
and Clip



**Recommended Slot hole  
size 42 x 15 mm**

1.6535" x 0.5905"



**LFFE Large Full Flat Element**

Heating up and cooling down curves showing average surface temperature taken with an infrared thermometer set at an emissivity of 0.95 ( Element mounted in an aluminised steel reflector RAS )