

INFRARED ELEMENTS IN CERAMIC 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 in infrared outdoor heaters and saunas.

Most plastics and many other materials absorb infrared best in wavelength 2-10 μm , which makes the ceramic heater the most popular radiant emitter on the market.



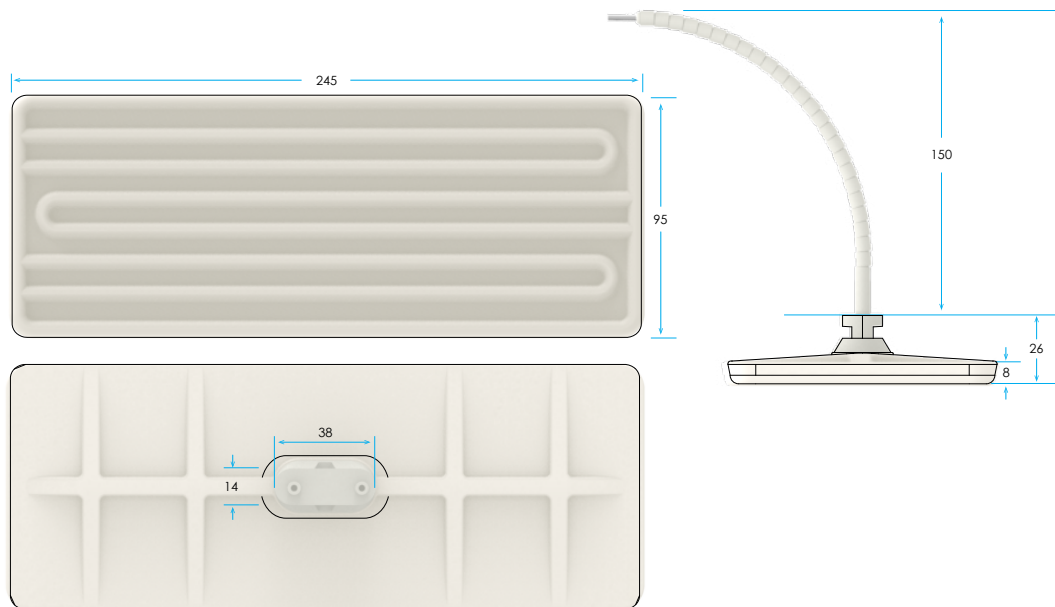
Technical specification

Material	Ceramic solid body in white glaze colour with an embedded high temperature resistance wire
Heater voltage	230 V
Operating temperature	Max permissible 750°C
Useful wave-length range	2 to 10 μm (microns) long wavelength
Dimensions	245x95x26 mm
Average weight	342 g
Electric connection	150 mm ceramic beaded power leads
Assembly	Recommended radiation distance from heater is 100 mm to 200 mm Mounting slot size oval 15x42 mm Steel wave spring and clip set included
Average operating life	Up to 20 000 hrs depending on conditions
Standards	CE

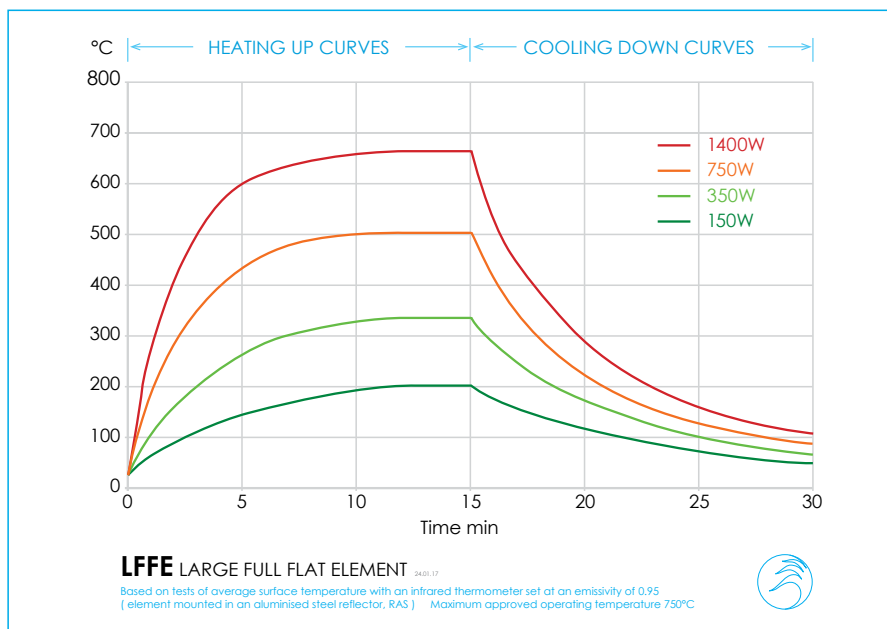
Standard assortment

Model LFFE	Power W	Mean surface temperature °C	Max power density kW/m ²	Article no
LFFE 150	150	204	6	3054400150
LFFE 350	350	338	14	3054400350
LFFE 650	650	428	26	3054400650
LFFE 750	750	501	30	3054400750
LFFE 1400	1400	667	56	3054401400

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Heat up - Cool down curves



Options

High temperature NPC cable and ceramic terminal blocks, different options
 Mounting bracket article no 3009010301
 Stainless steel bus bars 8x2x1000 mm article no 3005020305
 Other voltages, wattages, lead lengths and ceramic glaze colours available on request