

INFRARED ELEMENTS IN CERAMIC LFTE – LARGE FULL TROUGH 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.



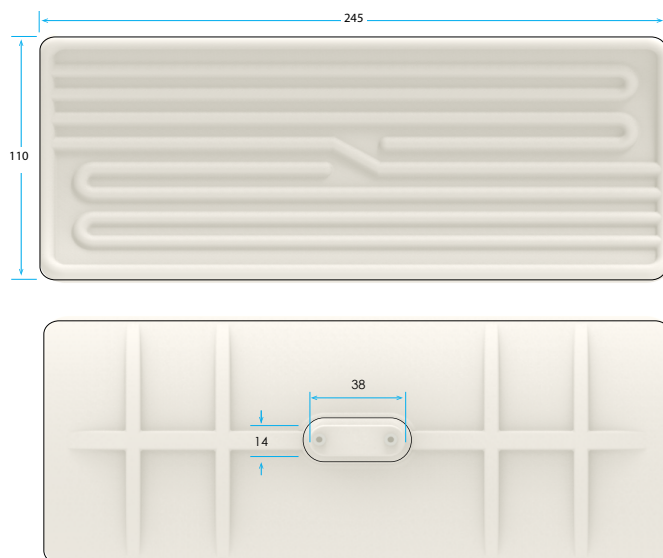
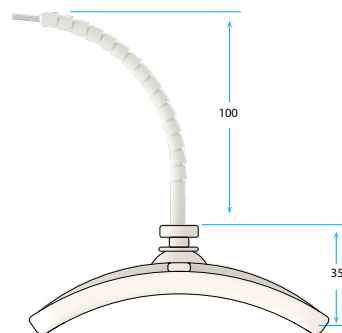
Technical specification

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 wavelength range	2 to 10 μm (microns) long wavelength
Dimensions	245x110x38 mm
Average weight	356 g
Electric connection	100 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

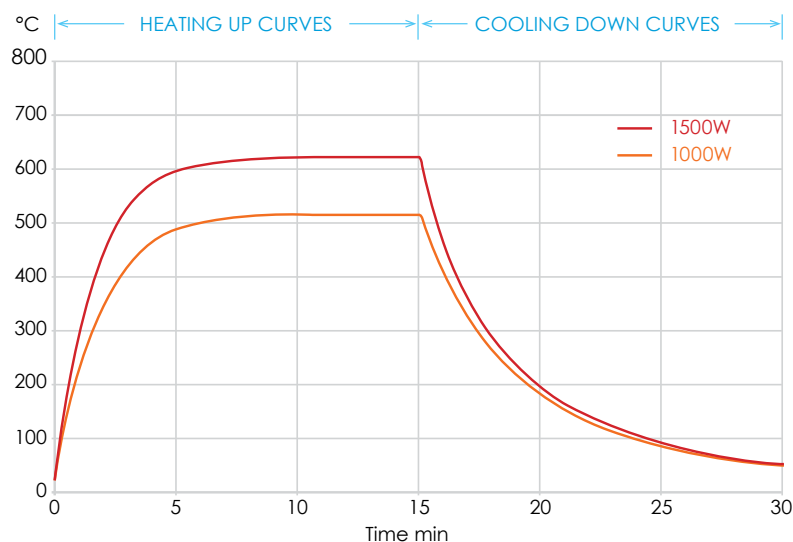
Standard assortment

Model LFTE	Power W	Mean surface temperature °C	Max power density kW/m ²	Article no
LFTE 1000	1000	511	36	3054411000
LFTE 1500	1500	596	54	3054411500

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Heat up - Cool down curves



LFTE LARGE FULL TROUGH ELEMENT 24.01.17

Based on tests of average surface temperature with an infrared thermometer set at an emissivity of 0.95 (element mounted in an aluminised steel reflector, RAS) Maximum approved operating temperature 750°C



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