



## ESER - Edison Screw Element Regular

### 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

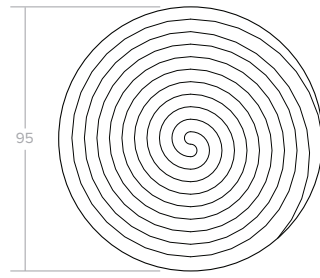
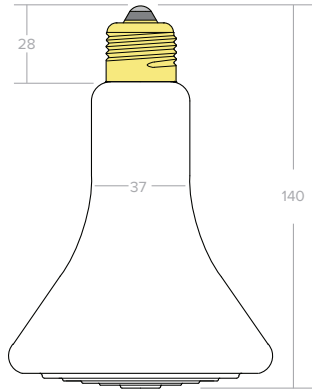
Material	Ceramic solid body in white glaze colour with an embedded resistance heating coil
Heater Voltage	230 V (standard)
Operating Temperature	Max permissible 750°C
Useful wave-length range	2 - 10 $\mu\text{m}$ (microns) long wavelength
Dimensions	$\varnothing$ 95 x 140 mm
Average weight	208 g
Assembly	Recommended radiation distance from heater is 100mm to 200mm.
Average operating life	Up to 20 000 hrs depending on conditions
Standards	CE, UL-499
Packaging w x h x d	99 x 99 x 143 mm



### Standard assortment

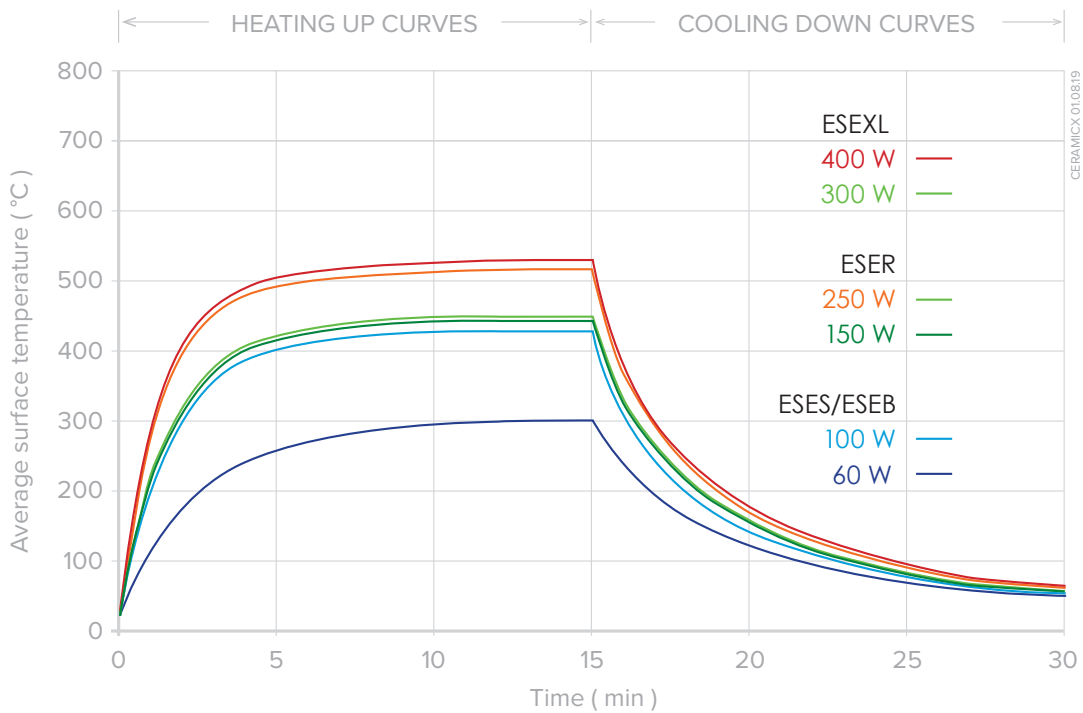
Model ESER	Power W	Mean Surface Temperature °C	Max Power Density kW/m <sup>2</sup>
ESER 150	150	441	9.6
ESER 250	250	516	16





**ESEB EDISON SCREW ELEMENT REGULAR**  
24.0719

Tolerances apply, all dimensions mm.



**BULB ELEMENTS ESEB, ESER, ESEB, ESEXL**

Heating up and cooling down curves showing average surface temperature taken with an infrared thermometer set at an emissivity of 0.90