

ESEB - Edison Screw Element Bulb

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 μm , which makes the ceramic heater the most popular radiant emitter on the market.



Technical specification

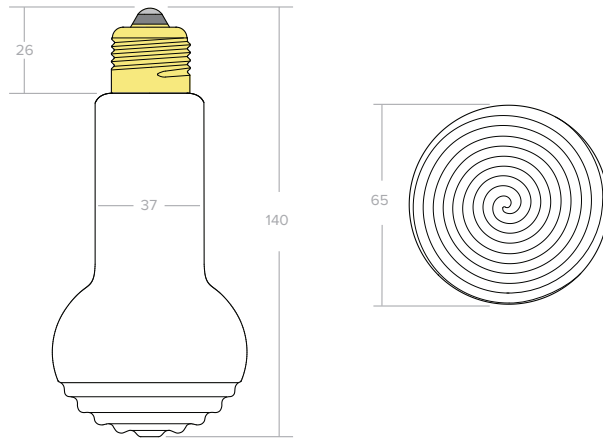
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|--------------------------|---|
| Material | Ceramic solid body in white glaze colour with an embedded resistance heating coil |
| Heater Voltage | 230 V (standard) |
| Operating Temperature | Max permissible 750°C |
| Useful wave-length range | 2 - 10 μm (microns) long wavelength |
| Dimensions | \varnothing 65 x 140 mm |
| Average weight | 116 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

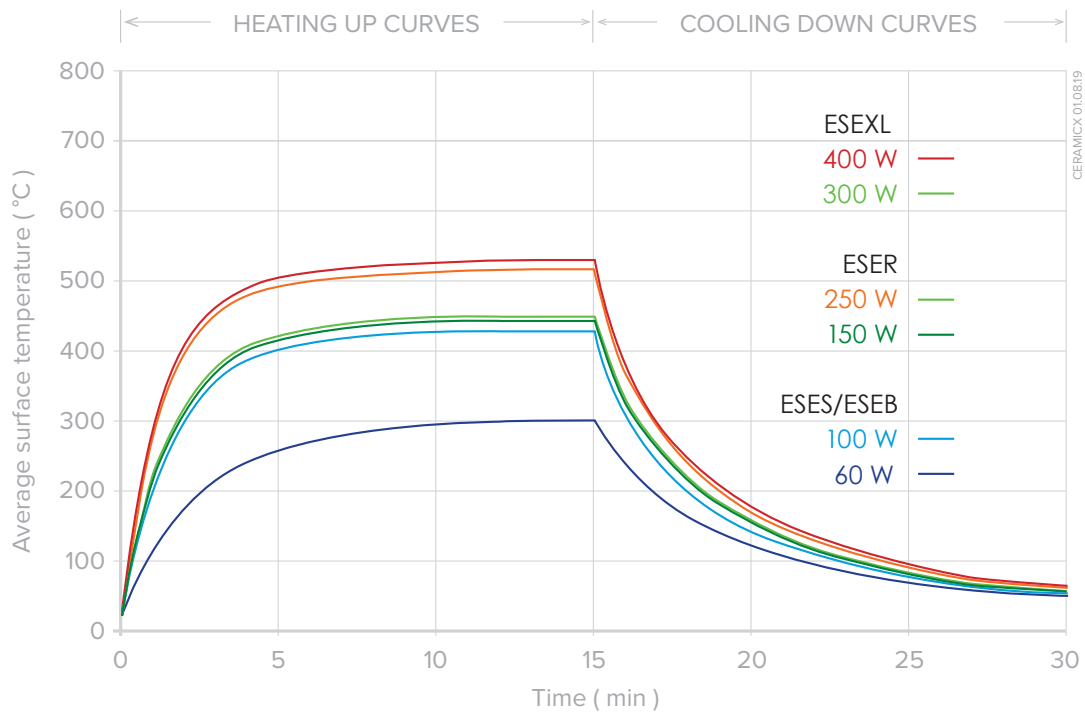
| Model ESEB | Power W | Mean Surface Temperature °C | Max Power Density kW/m ² |
|---------------|------------|--------------------------------|--|
| ESEB 60 | 60 | 300 | 7.3 |
| ESEB 100 | 100 | 426 | 12.1 |





ESEB EDISON SCREW ELEMENT BULB
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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