



Fig. 1: Elstein IRH infrared radiator. Picture on top and in the middle: front. Lower picture: back

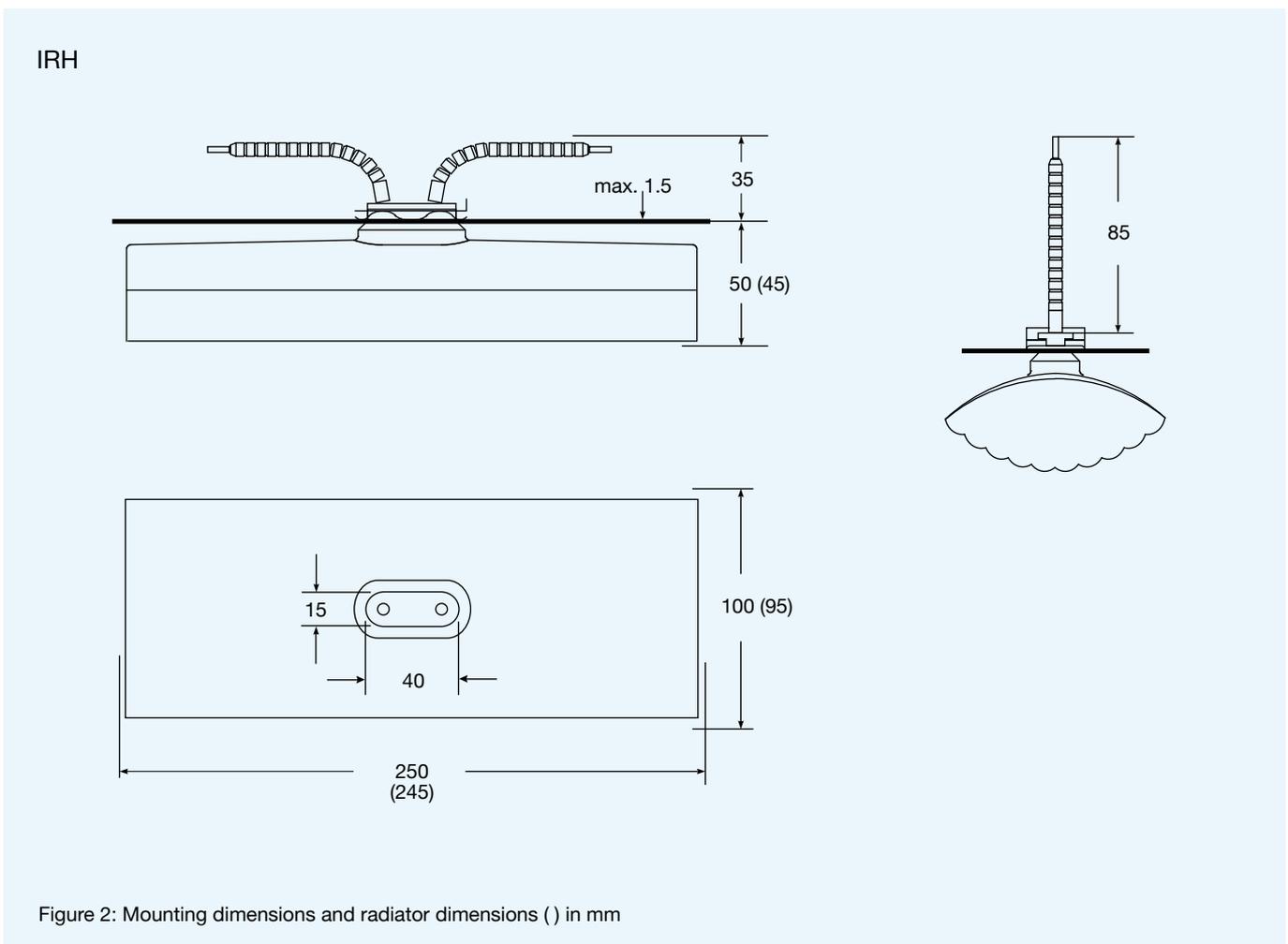
Elstein IRH infrared radiators are ceramic radiators in biconvex design. They are used in room heaters, at which surface ratings are installable up to  $40 \text{ kW/m}^2$ .

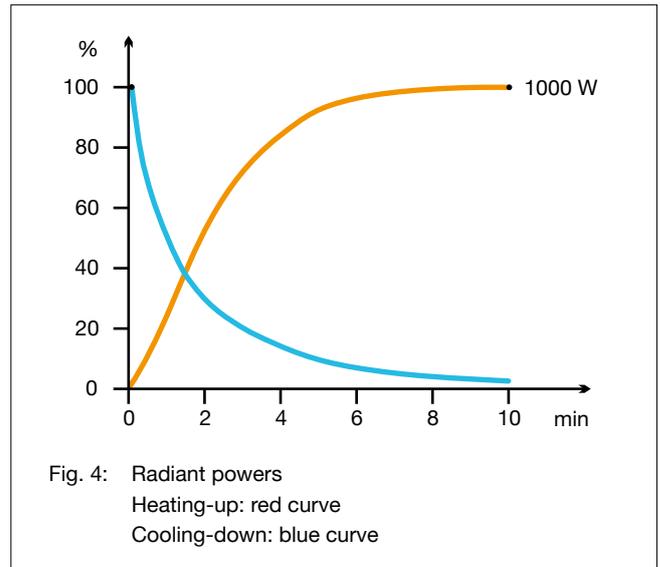
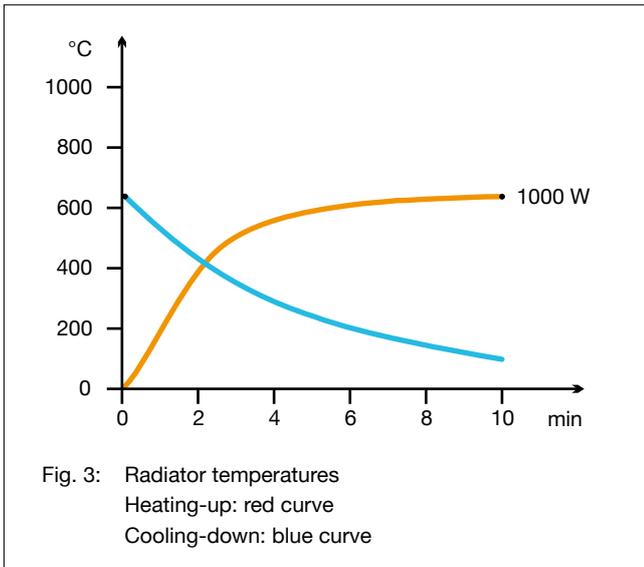
Due to the biconvex design and the radiator's dimension of  $245 \times 95 \text{ mm}$  IRH has a design, which generates an aesthetical atmosphere. The radiating surface consists out of ten small longish radiation surfaces, which are also formed convexly.

Compared to IRH/S the radiating surface was enlarged by almost 60 %, which is more advantageous for the radiation distribution in the room. The thermally insulating inner space of IRH has a share in improving the radiator's efficiency.

IRH radiators are fixed to a reflector with the help of the Elstein standard socket. Due to this kind of fixing the retrofitting of existing systems, which also have radiators with standard socket, is relatively easy.

When connected to 230 V the Elstein IRH infrared radiators are available in wattages up to 1000 W.





Type, weight, wattage	IRH	330 g	400	600	800	1000	W
Surface rating			16.0	24.0	32.0	40.0	kW/m <sup>2</sup>
Typical operating temperature			420	500	580	650	°C
Maximum permissible temperature			900	900	900	900	°C
Wavelength range			2 - 10				µm

<p><b>Standard design</b></p> <p>Operating voltage 230 V          Ceramic hollow casting          White glaze          Leads 85 mm          Elstein standard socket          Mounting set</p>	<p><b>Thermocouple radiators</b></p> <p>Designation T-IRH          Integrated thermocouple          Type K (NiCr-Ni)          TC leads 100 mm</p> 	<p><b>Variants</b></p> <p>Special wattages          Special voltages          Extended leads          Leads with ring terminals</p>
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The power can be controlled using proprietary power controllers or dimmers.

The national safety regulations must be complied with for the respective application, for example, the IEC or EN standard 60519-1 „Safety in electrical heating installations“.

Our instructions for mounting, operation and safety must be observed.