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ELSTEIN

IRE- 070.19E



IOT/75 AND IOT/90 INFRARED RADIATOR WITH 27 SCREW CAPS

Elstein IOT/75 and IOT/90 radiators are ceramic infrared dark radiators with E27 screw caps.

The standardised E27 thread allows easy and safe installation, as the radiators can be screwed in like bulbs into porcelain sockets or metal sockets with porcelain insert.

Due to their simple connection, IOT/75 and IOT/90 infrared radiators are suitable both for individual operation and for configuring groups of radiators.

They have diverse applications, in particular they range over terrariums/pets and livestock, breeding, medical and catering technology.

The power can be adjusted using a proprietary dimmer. Elstein IOT/75 and IOT/90 radiators are available into power levels of 60 W and 100 W or rather 150 W and 250 W.



Type, weight, wattage 230 V	IOT/ 75 110 g	60	100			W
	IOT/ 90 170 g			150	250	W
Surface rating		8,6	14,4	15,0	25,0	KW/m ²
Typical operating temperature		290	380	420	510	° C
Maximum permissible temperature		530	530	530	530	° C
Wavelength range		3 - 10				µm
Dimensions		Ø 75 x 95		Ø 90 x 130		mm

Standard design	Thermocouple radiators	Variants
Operating voltage 230 V Ceramic hollow casting E27 Edison screw cap	Not available. For means of controlling output see below.	Special wattages Special voltages

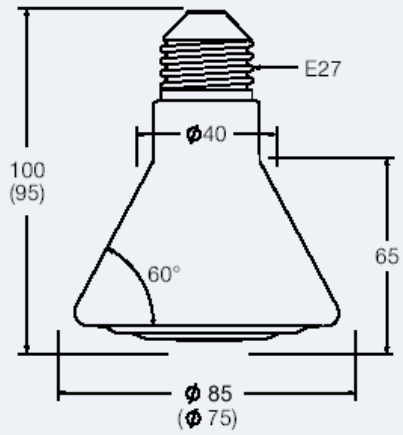
The power can be adjusted using proprietary power controllers or dimmers. Porcelain sockets or metal sockets with porcelain inserts are to be used both for electrical and mechanical connection of Elstein IOT/75 and IOT/90 radiators. The sockets must not contain any plastic components. The national safety regulations must be complied with for the respective application, for example, the IEC or EN standard 60519-1, Safety in electrical heating installations and VDE 0700 Part 71 or EN 60335-2-71, Regulations for Electrical heaters in animal breeding and keeping of livestock.

APPLICACTONS

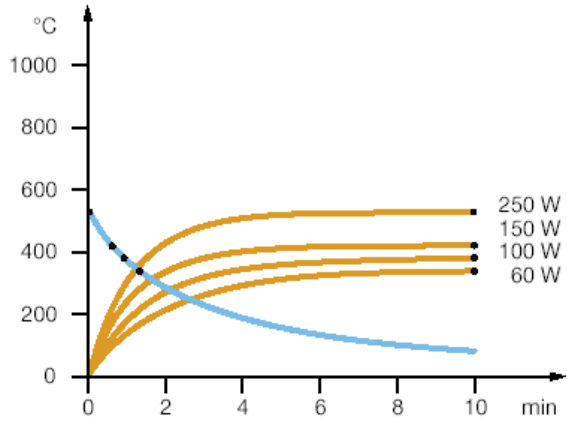
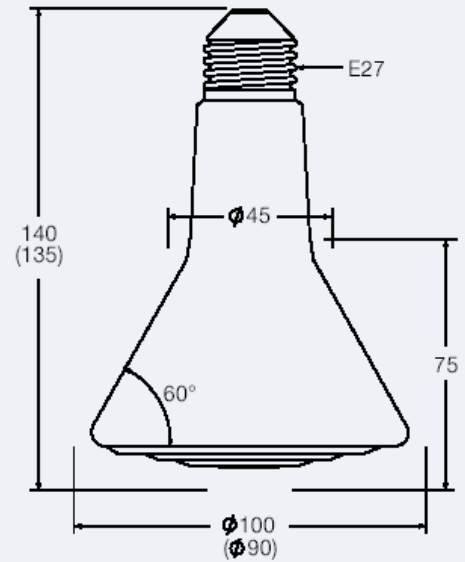
- External heating mechanisms.
- Heating thermoplastics.
- Cured adhesives.
- Drying printing industry.
- In laboratories: thawing, evaporation, polymerization, activation ...
- Heating surfaces in cosmetics and pharmaceuticals.
- Heating food.
- Evaporation of insecticides.
- Heating plants in agriculture
- Heating in animal breeding facilities

IOT MOUNTING DIMENSIONS AND RADIATOR DIMENSIONS () IN MM

IOT/75

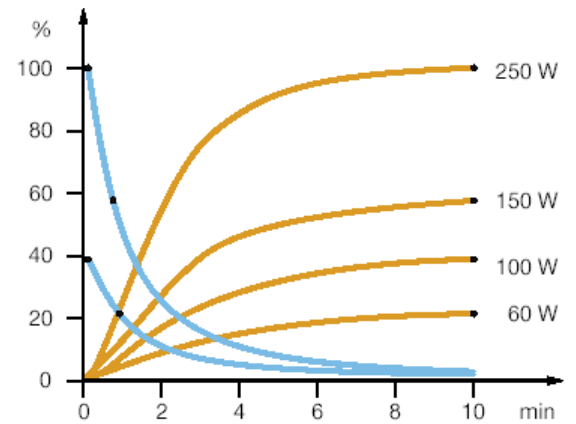


IOT/90



Radiator temperatures

Heating-up: red curves
Cooling-down: blue curve



Radiant powers

Heating-up: red curves
Cooling-down: blue curves