

Pillared Full Quartz Element

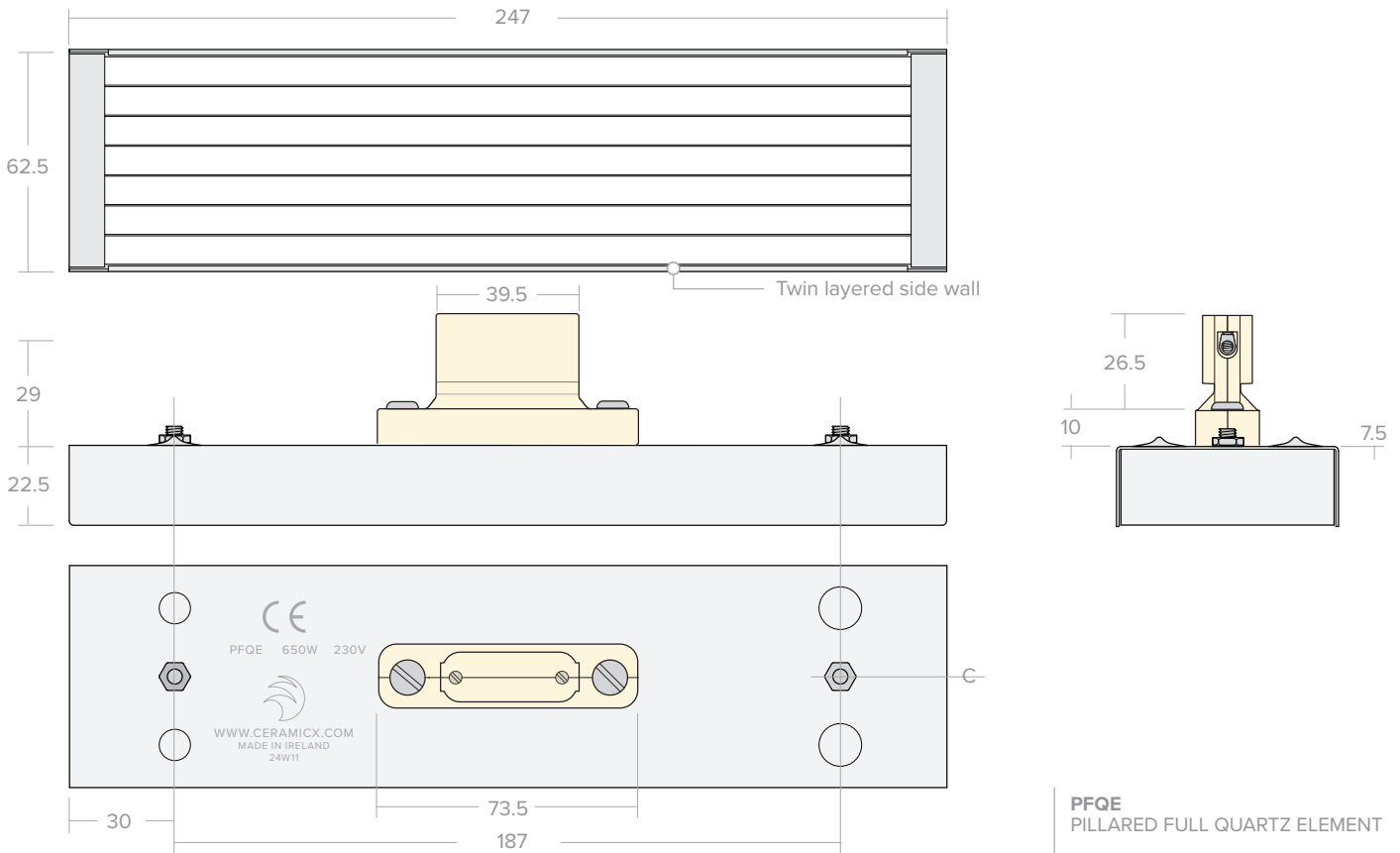
Properties: Quartz infrared heating elements provide medium wave infrared radiation. They are favoured in industrial applications where a more rapid heater response is necessary, including systems with long heater off cycles. The standard quartz heating elements range consists of cassette style elements constructed with aluminised steel as standard, stainless steel is also an option. These emitters have peak emissions in the medium to long wavelength range.

Technical specification

Material	Aluminium clad steel body with an ironchrome aluminium resistance wire
Heater Voltage	230 V (standard)
Operating temperature	Max permissible 500 °C (932 °F)
Useful wave-length range	1.5 - 8 µm (microns) - Long wave range
Dimensions	247 x 62.5 x 59 mm
Average weight	421 g
Electric connection	120 mm ceramic beaded power leads
Assembly	Recommended radiation distance from heater is 100mm to 200mm
Mounting slot size	42 x 15 mm
Element spacing	Minimum spacing between elements 5 mm
Average operating life	Up to 5,000 hrs depending on conditions
Standards	CE
Packaging (L x W x H)	252 x 65 x 64 mm

Standard SFEH range

	Mean Surface Temperature °C	Max Power Density kW/m ²
250 W	438	15
400 W	542	24
500 W	593	30
650 W	664	39
750 W	690	45
1000 W	772	60

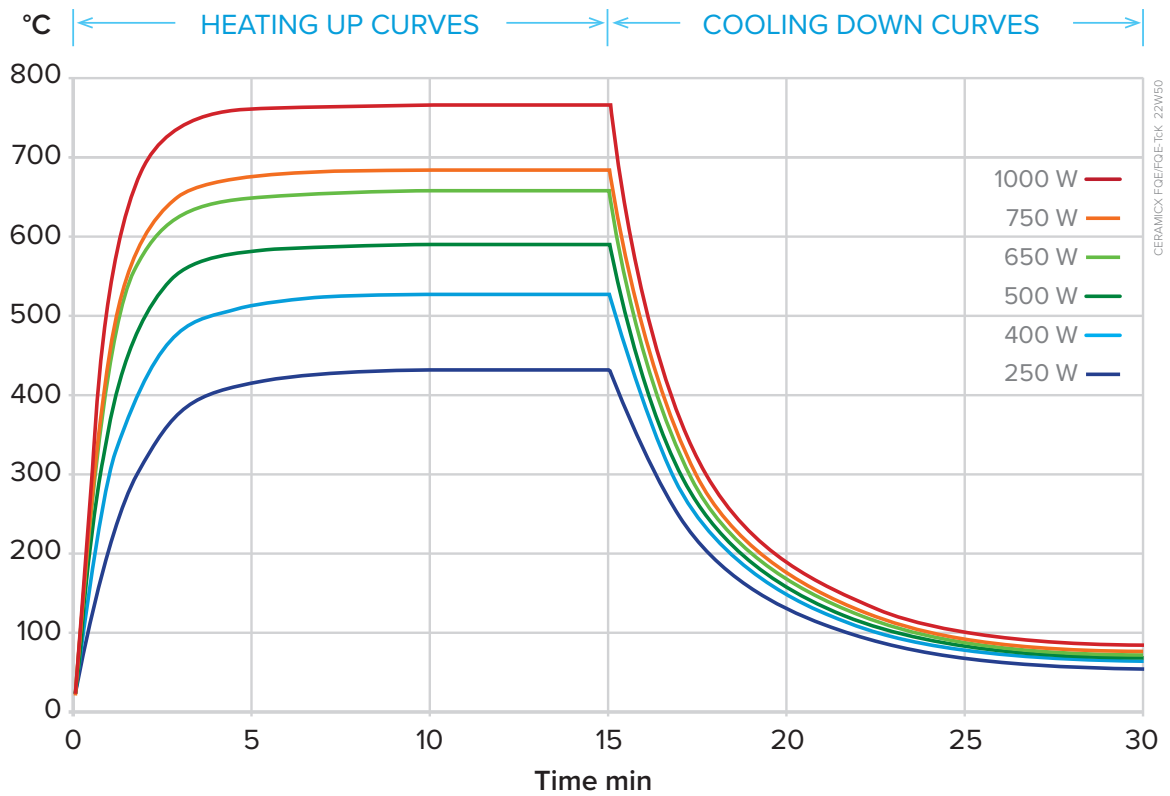


PFQE
PILLARED FULL QUARTZ ELEMENT

Tolerances apply, all dimensions mm.
Heater body manufactured from 0.75 mm
polished aluminium clad steel (500°C max)



24W11



PFQE Heat up and cool down curves showing average surface temperature measured with a thermal imaging camera set to an emissivity of 0.7