



[www.wecointernational.com](http://www.wecointernational.com)



**Product Guide**



## PORTABLE TEST STAND

WECO's new Portable Test Stand allows for quick and consistent testing of materials. The interchangeable long, medium and short wave Infrared emitters are easily attached to the test stand.

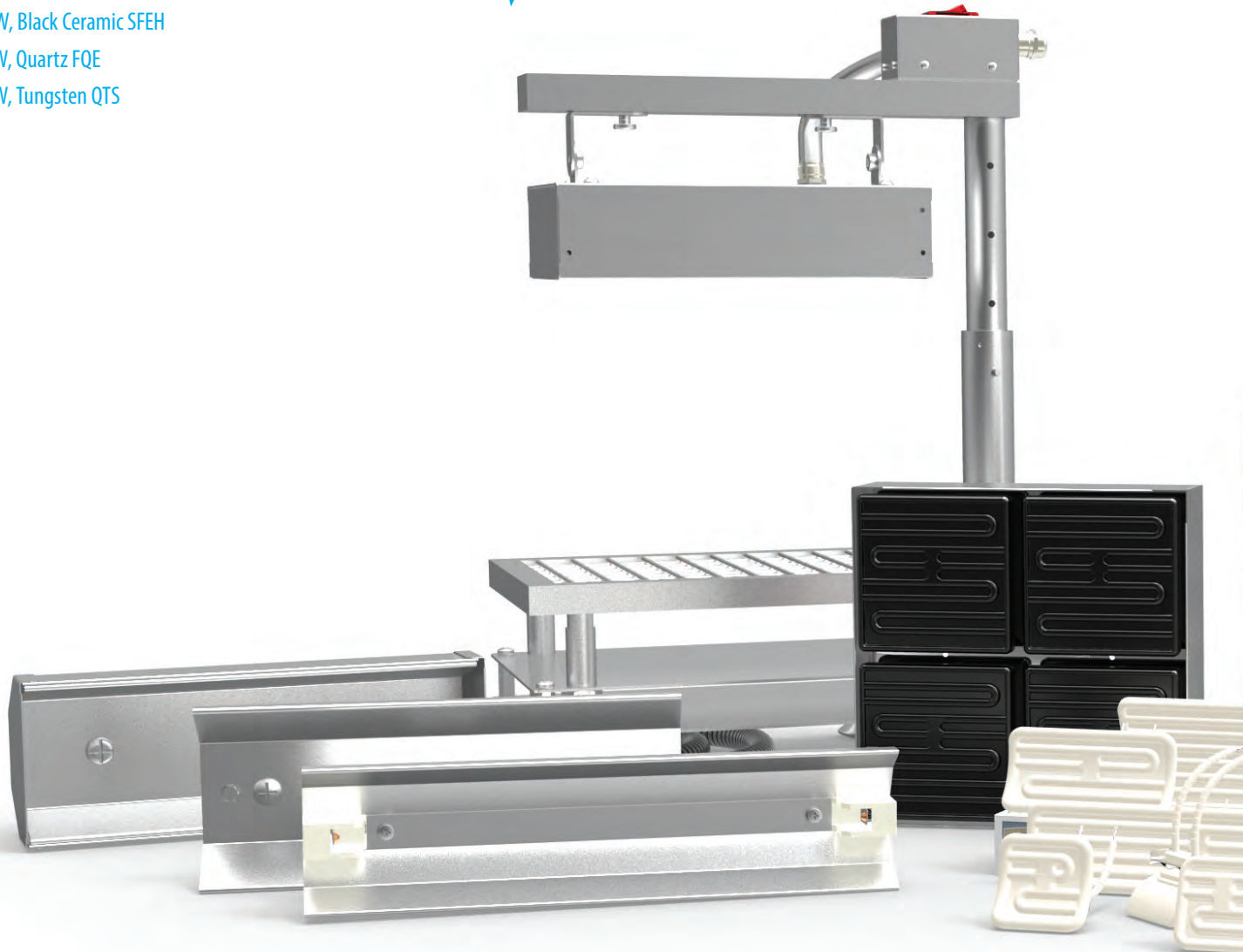
The emitters face down and heat a material that is placed on a stainless steel mesh. The distance between emitter and material can easily be adjusted between 1.97" and 7.87", in 1.97" intervals.

This test stand allows the user to quickly determine the most suitable type of emitter and heating distance for a specific material, with consistent results due to the simple, repeatable test set up.

2 x 800 W, Black Ceramic SFEH

2 x 750 W, Quartz FQE

2 x 750 W, Tungsten QTS





- 2 | Ceramic trough elements
- 4 | Ceramic hollow elements

- 6 | Quartz elements
- 8 | Pillared quartz elements
- 8 | Single tube quartz heaters

- ## 9 | Panel heaters

- 10 | Quartz tungsten tubes
- 11 | Quartz halogen tubes

- 12 | Reflectors RAS
- 13 | Quartz tungsten/halogen reflectors
- 13 | Projectors PAS

- 14 | Modular IR 260 modular long wave infrared heater

- ## 15 | Fast IR 305 / Fast IR 500

- 16 | Ceramic terminal blocks
- 16 | Ceramic beads
- 17 | High temperature cable and cable sleeving





## Ceramic Trough Elements

### CERAMIC TROUGH ELEMENTS

Useful wavelength range 2 to 10  $\mu\text{m}$

(FTE/HTE/QTE) are industry standard curved ceramic infrared heaters used in a wide range of industrial, commercial and domestic applications. These solid cast elements consist of a high temperature FeCrAl resistance alloy embedded in a specially formulated ceramic body allowing operating temperatures up to 1382°F and a maximum power of 1000W (FTE Model Only).

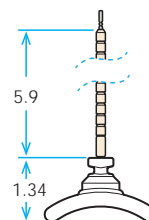
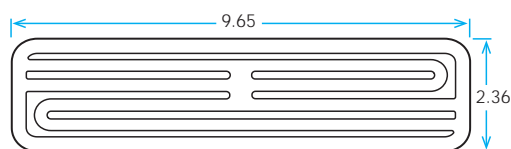
All dimensions in inches. Tolerances apply

FTE

#### Full Trough Element,

Standard Wattages 150W 250W 300W 400W 500W 650W 750W 1000W.

Standard Voltage 230V. Average weight 6.77oz.



Wattage	150W	250W	300W	400W	500W	650W	750W	1000W
Mean surface temperature	521.6 °F	663.8 °F	761 °F	896 °F	959 °F	1104.8 °F	1155.2 °F	1338.8 °F
Max power density	9 kW/m <sup>2</sup>	15 kW/m <sup>2</sup>	18 kW/m <sup>2</sup>	24 kW/m <sup>2</sup>	30 kW/m <sup>2</sup>	39 kW/m <sup>2</sup>	45 kW/m <sup>2</sup>	60 kW/m <sup>2</sup>
Radiant Watt density at 3.9"	0.10 W/cm <sup>2</sup>		0.26 W/cm <sup>2</sup>		0.48 W/cm <sup>2</sup>	0.69 W/cm <sup>2</sup>		1.14 W/cm <sup>2</sup>

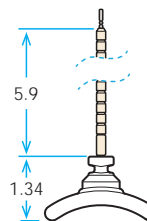
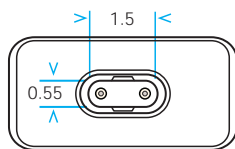
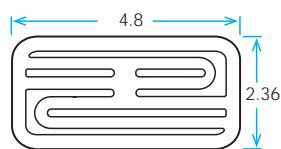
Based on tests of average surface temperature with an infrared thermometer set at an emissivity of 0.95 (element mounted in an aluminised steel reflector, RAS)

HTE

#### Half Trough Element,

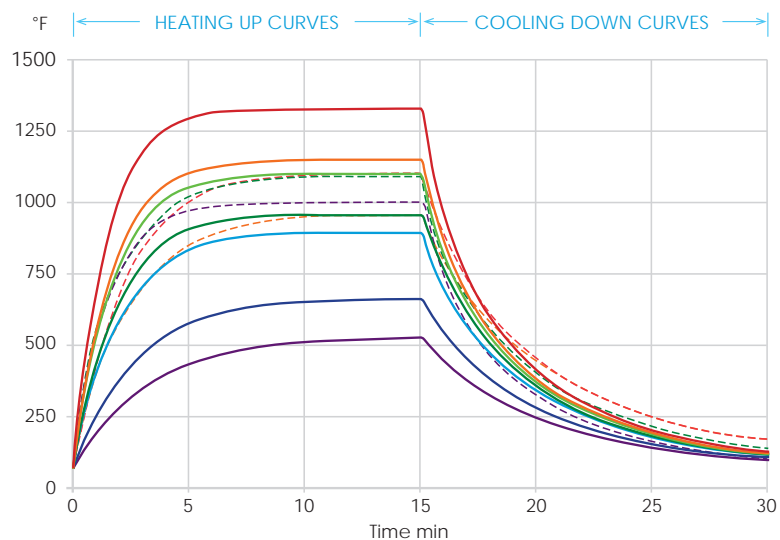
Standard Wattages 125W 150W 200W 250W 325W 400W 500W.

Standard Voltage 230V. Average weight 3.7oz.



Wattage	125W	150W	200W	250W	325W	500W
Mean surface temperature	663.8 °F	761 °F	896 °F	959 °F	1104.8 °F	1338.8 °F
Max power density	15 kW/m <sup>2</sup>	18 kW/m <sup>2</sup>	24 kW/m <sup>2</sup>	30 kW/m <sup>2</sup>	39 kW/m <sup>2</sup>	60 kW/m <sup>2</sup>
Radiant Watt density at 3.9"		0.26 W/cm <sup>2</sup>			0.69 W/cm <sup>2</sup>	1.14 W/cm <sup>2</sup>

Based on tests of average surface temperature with an infrared thermometer set at an emissivity of 0.95 (element mounted in an aluminised steel reflector, RAS)



Heating up cooling down curves based on FTE tests of average surface temperature with an infrared thermometer set at an emissivity of 0.9

(element mounted in an aluminised steel reflector, RAS)

	FTE	HTE	
—	1000W	500W	
—	750W		
—	650W	325W	
—	500W	250W	
—	400W	200W	
—	250W	125W	
—	150W		



## Ceramic Hollow Elements

### CERAMIC HOLLOW ELEMENTS

Useful wavelength range 2 to 10  $\mu\text{m}$

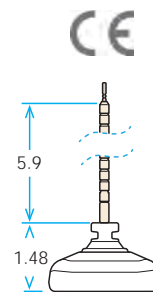
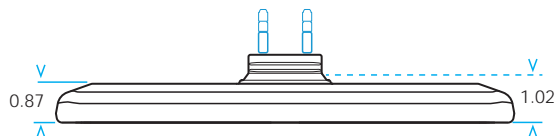
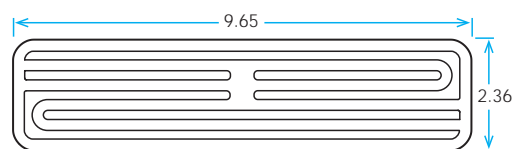
Ceramic Hollow Elements (SFEH, FFEH, HFEH, QFEH) are industry standard ceramic emitters used in a wide range of industrial, commercial and domestic applications. The hollow constructed ceramic element has the advantage of having a shorter heat up time combined with increased energy efficiency. These hollow constructed products consist of a high temperature FeCrAl resistance alloy embedded in a specially formulated light weight hollow cast ceramic body which is subsequently filled with a high density insulating material. This results in a significant reduction in rear heat loss and increased radiant output from the front of the element, the operating temperature is up to a maximum of 1382°F and a maximum power of 800W (FFEH and SFEH)

All dimensions in inches. Tolerances apply

FFEH

#### Full Flat Element Hollow,

Standard Wattages 250W 400W 500W 600W 800W. Standard Voltage 230V. Average weight 8.8oz.



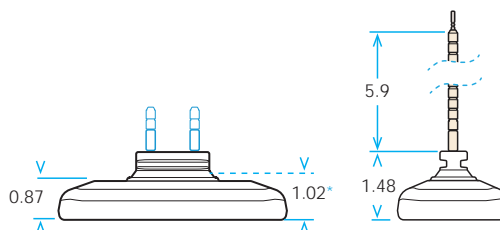
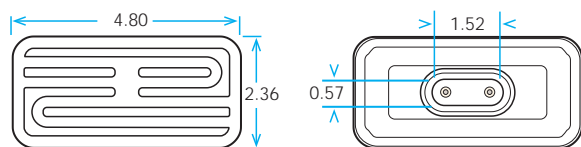
Wattage	250W	400W	500W	600W	800W
Mean surface temperature	734 °F	926.6 °F	1018.4 °F	1115.6 °F	1310 °F
Max power density	15 kW/m <sup>2</sup>	24 kW/m <sup>2</sup>	30 kW/m <sup>2</sup>	36 kW/m <sup>2</sup>	48 kW/m <sup>2</sup>
Radiant Watt density at 3.9"	0.25 W/cm <sup>2</sup>	0.44 W/cm <sup>2</sup>		0.73 W/cm <sup>2</sup>	

Based on tests of average surface temperature with an infrared thermometer set at an emissivity of 0.95 (element mounted in an aluminised steel reflector, RAS)

HFEH

#### Half Flat Element Hollow,

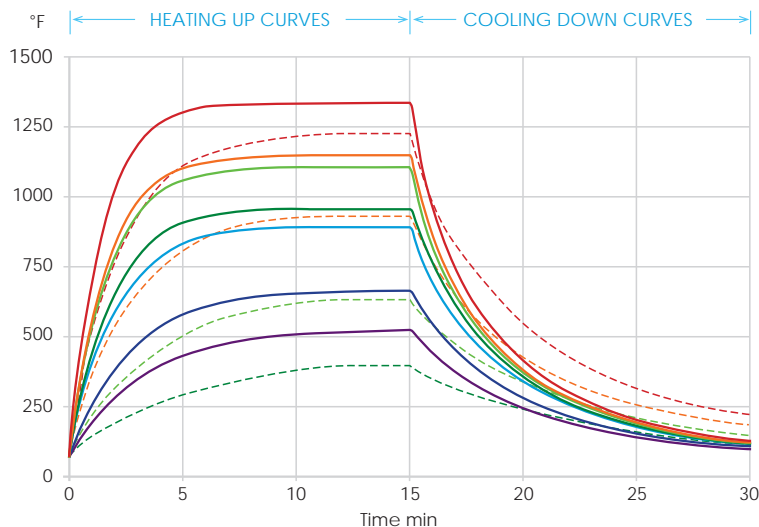
Standard Wattages 125W 200W 250W 300W 400W. Standard Voltage 230V. Average weight 4.13oz.



Wattage	125W	200W	250W	300W	400W
Mean surface temperature	734 °F	926.6 °F	1018.4 °F	1115.6 °F	1310 °F
Max power density	15 kW/m <sup>2</sup>	24 kW/m <sup>2</sup>	30 kW/m <sup>2</sup>	36 kW/m <sup>2</sup>	48 kW/m <sup>2</sup>
Radiant Watt density at 3.9"		0.31 W/cm <sup>2</sup>		0.49 W/cm <sup>2</sup>	

Based on tests of average surface temperature with an infrared thermometer set at an emissivity of 0.95 (element mounted in an aluminised steel reflector, RAS)





Heating up cooling down curves based on FFE tests of average surface temperature with an infrared thermometer set at an emissivity of 0.9

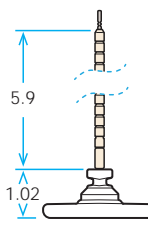
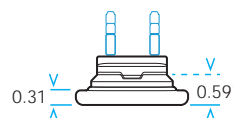
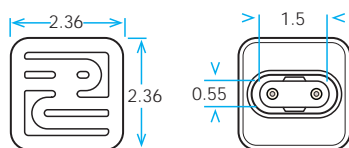
(element mounted in an aluminised steel reflector, RAS)

	FFE	HFE	QFE	SFSE		LFSE
—	1000W	500W	250W		- - -	1400W
—	750W			750W	- - -	750W
—	650W	325W		650W	- - -	350W
—	500W	250W	125W	500W	- - -	150W
—	400W	200W		400W		
—	250W	125W		250W		
—	150W			150W		

QFE

### Quarter Flat Element,

Standard Wattages 125W 250W. Standard Voltage 230V. Average weight 2.29oz.



Wattage

Mean surface temperature

Max power density

125W

959 °F

30 kW/m<sup>2</sup>

250W

1338.8 °F

60 kW/m<sup>2</sup>

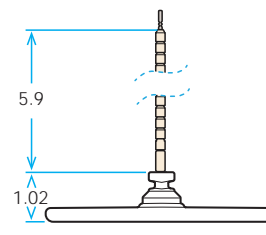
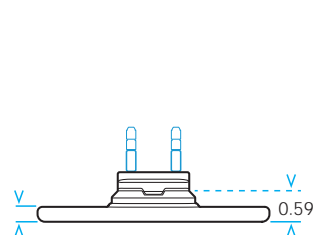
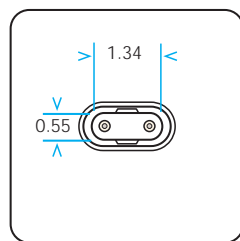
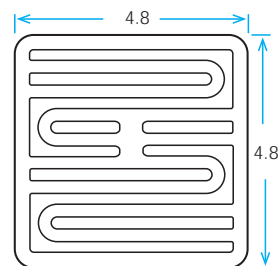
Based on tests of average surface temperature with an infrared thermometer set at an emissivity of 0.95 (element mounted in an aluminised steel reflector, RAS)



SFSE

### Square Flat Solid Element,

Standard Wattages 250W 400W 500W 600W 800W. Standard Voltage 230V. Average weight 6.77oz



Wattage

Mean surface temperature

Max power density

Radiant Watt density at 3.9"

150W

521.6 °F

9 kW/m<sup>2</sup>

250W

663.8 °F

15 kW/m<sup>2</sup>

0.23 W/cm<sup>2</sup>

300W

761 °F

18 kW/m<sup>2</sup>

400W

896 °F

24 kW/m<sup>2</sup>

0.39 W/cm<sup>2</sup>

500W

959 °F

30 kW/m<sup>2</sup>

0.71 W/cm<sup>2</sup>

650W

1104.8 °F

39 kW/m<sup>2</sup>

0.81 W/cm<sup>2</sup>

750W

1155.2 °F

45 kW/m<sup>2</sup>

0.81 W/cm<sup>2</sup>

Based on tests of average surface temperature with an infrared thermometer set at an emissivity of 0.95 (element mounted in an aluminised steel reflector, RAS)





## Quartz Elements

### QUARTZ ELEMENTS

Useful wavelength range 1.5 to 8μm

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.

Quartz infrared heating elements are particularly effective in systems where rapid heater response and/or zone controlled heating is required.

They have a broad emission spectrum from around 1.4 to 8 microns, slightly shorter in wavelength than ceramic elements.

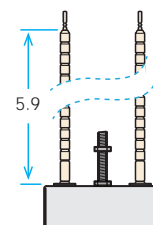
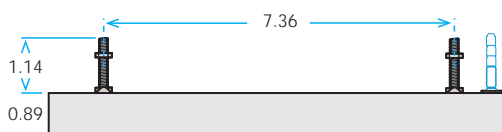
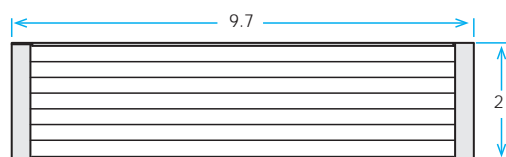
Pillared quartz elements have the same mounting fixture as ceramic elements allowing easy replacement.

All dimensions in inches. Tolerances apply

FQE

#### Full Quartz Element,

Standard Wattages 150W 250W 300W 400W 500W 650W 750W 1000W. Standard Voltage 230V. Average weight 14.22oz.



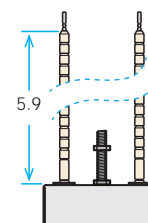
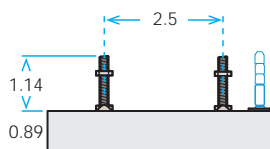
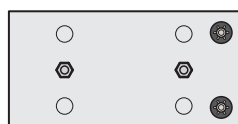
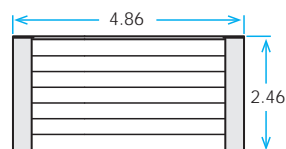
Wattage	150W	250W	300W	400W	500W	650W	750W	1000W
Mean surface temperature	649.4 °F	820.4 °F	890.6 °F	1007.6 °F	1099.4 °F	1227.2 °F	1274 °F	1421.6 °F
Max power density	9 kW/m <sup>2</sup>	15 kW/m <sup>2</sup>	18 kW/m <sup>2</sup>	24 kW/m <sup>2</sup>	30 kW/m <sup>2</sup>	39 kW/m <sup>2</sup>	45 kW/m <sup>2</sup>	60 kW/m <sup>2</sup>
Radiant Watt density at 3.9"	0.10 W/cm <sup>2</sup>		0.26 W/cm <sup>2</sup>		0.48 W/cm <sup>2</sup>	0.69 W/cm <sup>2</sup>		1.14 W/cm <sup>2</sup>

Based on tests of average surface temperature with an infrared thermometer set at an emissivity of 0.95 (element mounted in an aluminised steel reflector, RAS)

HQE

#### Half Quartz Element,

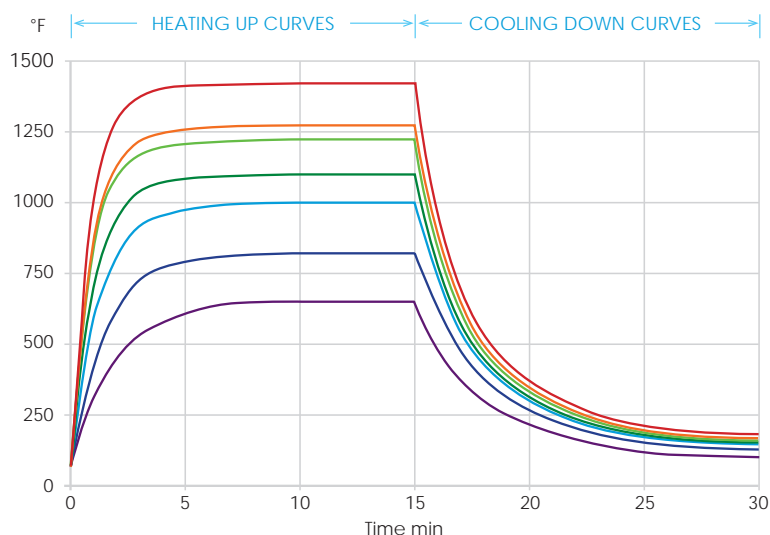
Standard Wattages 150W 250W 325W 400W 500W. Standard Voltage 230V. Average weight 7.4oz..



Wattage	150W	250W	325W	400W	500W
Mean surface temperature	890.6 °F	919.4 °F	1191.2 °F	1308.2 °F	1421.6 °F
Max power density	18 kW/m <sup>2</sup>	30 kW/m <sup>2</sup>	39 kW/m <sup>2</sup>	48 kW/m <sup>2</sup>	60 kW/m <sup>2</sup>
Radiant Watt density at 3.9"	0.26 W/cm <sup>2</sup>		0.69 W/cm <sup>2</sup>		1.14 W/cm <sup>2</sup>

Based on tests of average surface temperature with an infrared thermometer set at an emissivity of 0.95 (element mounted in an aluminised steel reflector, RAS)



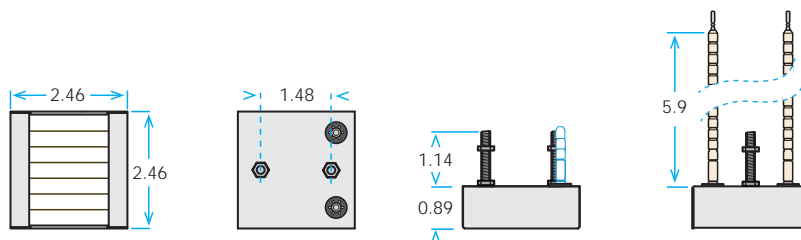


	FQE	HQE	QQE	SQE
	1000W	500W	250W	1000W
	750W			750W
	650W	325W		650W
	500W	250W		500W
	400W			400W
	250W			250W
	150W			150W
	PFQE	PHQE		

## QQE

### Quarter Quartz Element,

Standard Wattages 150W 250W. Standard Voltage 230V. Average weight 5.08oz



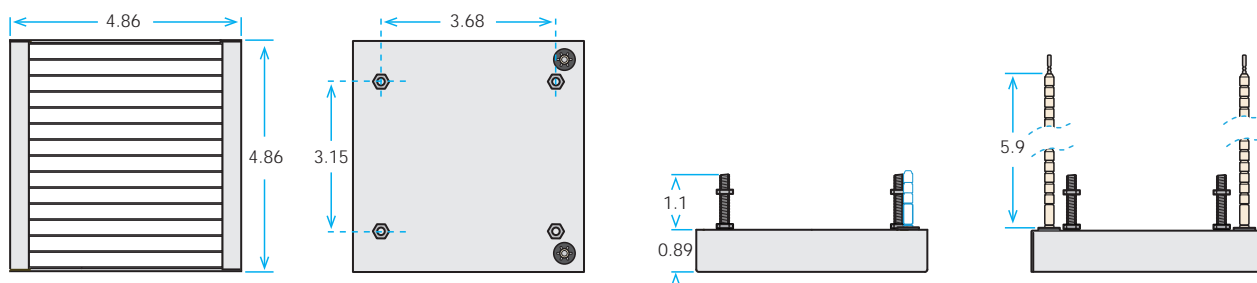
Wattage	150W	250W
Mean surface temperature	1187.6 °F	1421.6 °F
Max power density	36 kW/m <sup>2</sup>	60 kW/m <sup>2</sup>
Radiant Watt density at 3.9"		1.14 W/cm <sup>2</sup>

Based on tests of average surface temperature with an infrared thermometer set at an emissivity of 0.95 (element mounted in an aluminised steel reflector, RAS)

## SQE

### Square Quartz Element,

Standard Wattages 150W 250W 300W 400W 500W 650W 750W 1000W. Standard Voltage 230V. Average weight 14.15oz.



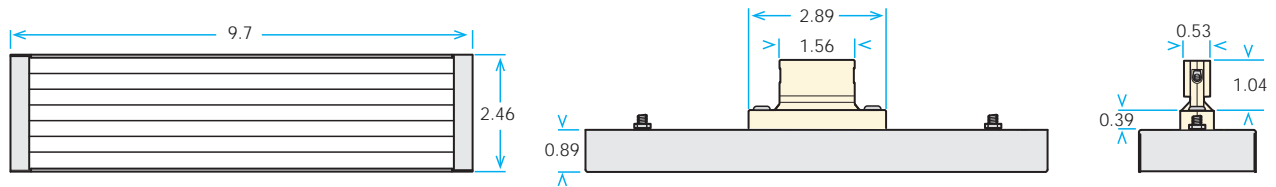
Wattage	150W	250W	300W	400W	500W	650W	750W	1000W
Mean surface temperature	649.4 °F	820.4 °F	890.6 °F	542 °F	1099.4 °F	1191.2 °F	1274 °F	1421.6 °F
Max power density	9 kW/m <sup>2</sup>	15 kW/m <sup>2</sup>	18 kW/m <sup>2</sup>	24 kW/m <sup>2</sup>	30 kW/m <sup>2</sup>	39 kW/m <sup>2</sup>	45 kW/m <sup>2</sup>	60 kW/m <sup>2</sup>

Based on tests of average surface temperature with an infrared thermometer set at an emissivity of 0.95 (element mounted in an aluminised steel reflector, RAS)

PFQE, PFQE-L

**Pillared Full Quartz Element, Pillared Full Quartz Element with Leads (PFQE-L)**

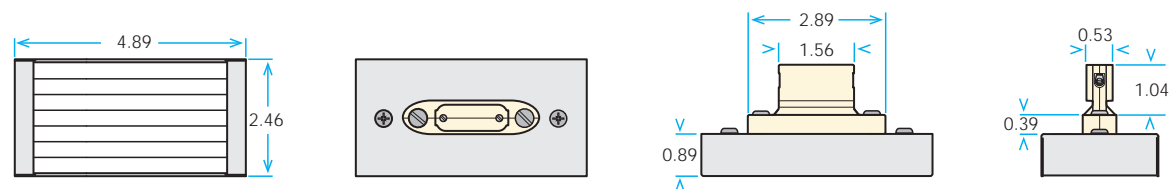
Standard Wattages 150W 250W 400W 500W 650W 750W 1000W. Standard Voltage 230V. Average Weight 14.22oz.



PHQE

**Pillared Half Quartz Element,**

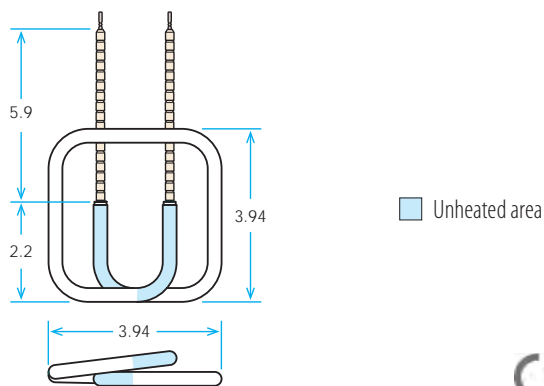
Standard Wattages 150W 250W 400W 500W. Standard Voltage 230V. Average Weight 9.45oz



STQH 100

**Single Tube Quartz Heater 100,**

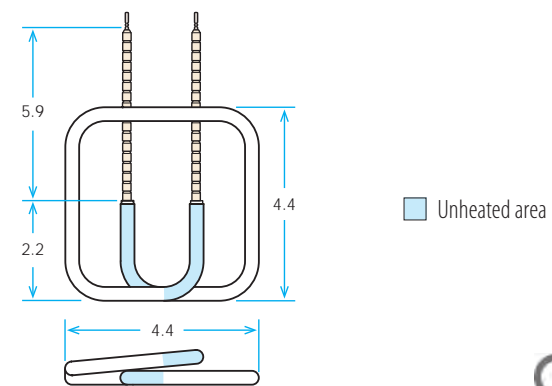
Standard Wattage Range 150W - 400W Standard Voltage 230V.



STQH 112

**Single Tube Quartz Heater 112,**

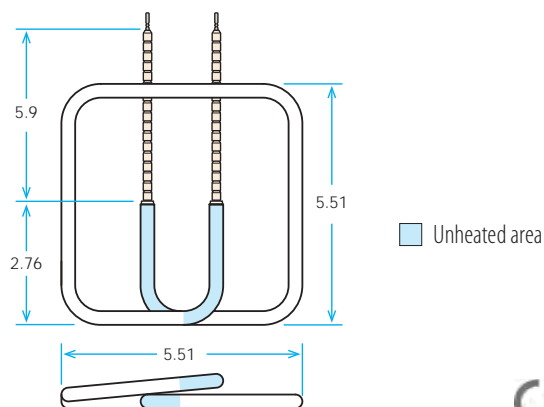
Standard Wattage Range 150W - 400W Standard Voltage 230V.



STQH 140

**Single Tube Quartz Heater 140,**

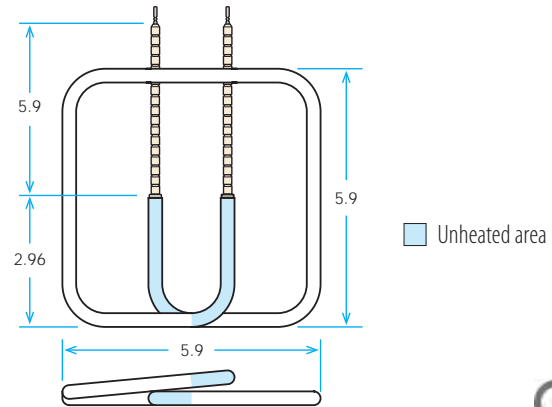
Standard Wattage Range 150W - 650W Standard Voltage 230V.



STQH 150

**Single Tube Quartz Heater 150,**

Standard Wattage Range 150W - 650W Standard Voltage 230V.



# Panel Heaters

## PANEL HEATERS

Useful wavelength range 4 to 6µm

They are a neat, easily mounted and readily expanded heating solution.

Infrared panel heaters are custom built infrared heaters operating primarily in the long wave range. The basic construction consists of a resistance coil embedded into a ceramic fibre board which is then located behind an emitting surface of either anodised aluminium or glass ceramic. This is then placed inside a 2.96" high aluminised steel housing which normally contains 1.97" of thermal insulation to reduce heat loss through the rear of the unit.

All dimensions in inches. Tolerances apply

### PANEL HEATERS

#### STANDARD OPTIONS

( Other options available on request. Please contact us for further details.)

#### Emitting surface

**Anodised aluminium face** - Good radiant efficiency, very robust, surface sheet can be easily cleaned or replaced if damaged by molten material.

**Glass ceramic face** - Very good radiant efficiency, high percentage transmission of radiant output in medium to short wave range, surface can be easily cleaned.

#### Electrical terminations

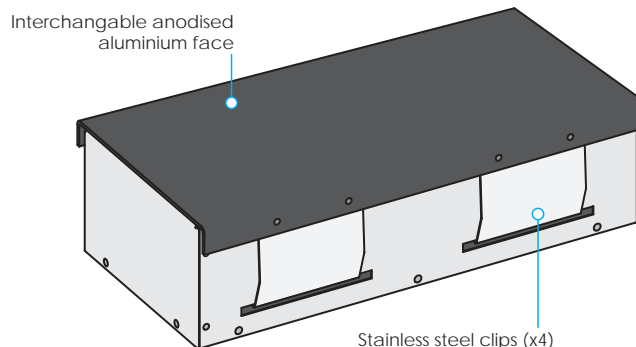
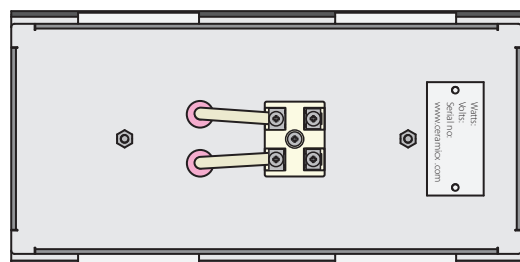
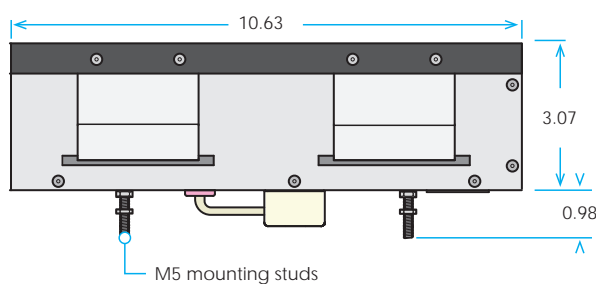
Open 2P terminal block, Terminal block with cover, M6 or 1/4" threaded stud, Type K thermocouple with fixed high temperature socket and removable plug

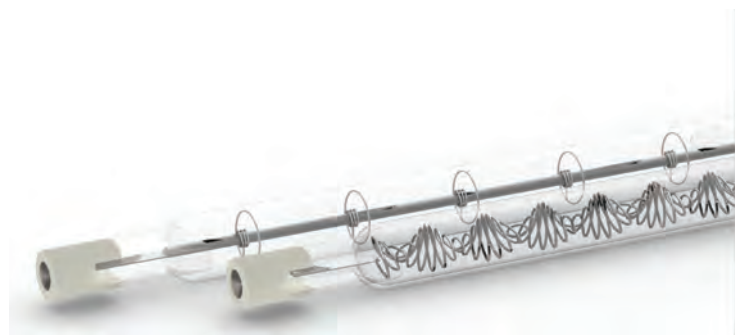
#### Fixing studs

M5/M6/M8/0.25" x 0.99" long

#### Sample panel heater,

Black anodised aluminium face, 10.63" x 5.32" , 500W, 230V, with open 2P terminal block connection.





## QUARTZ TUNGSTEN/ QUARTZ HALOGEN TUBES

The tungsten filament used in these quartz tungsten heaters is the porcupine or star type coil, which can be operated at temperatures up to 2732°F, with a peak wavelength emission of approximately 1.6 microns.

It reaches top temperatures within seconds.

Halogen heaters are filled with a halogen gas to allow the supported tungsten filament to reach temperatures as high as 4712°F. Peak emissions for these tubes is around 1 micron.

These emitters heat up and cool down within seconds making them particularly suitable for systems requiring short cycle times.

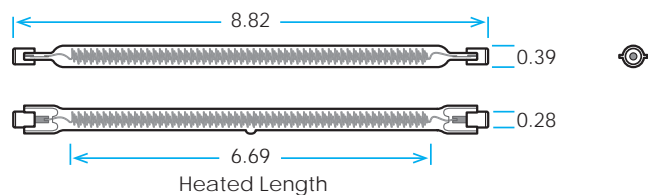
## Quartz Tungsten/Halogen

All dimensions in inches. Tolerances apply

QTS

### Quartz Tungsten Short,

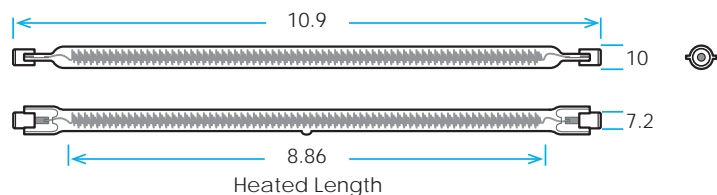
Standard Wattage 750W. Standard Voltage 240V.



QTM

### Quartz Tungsten Medium

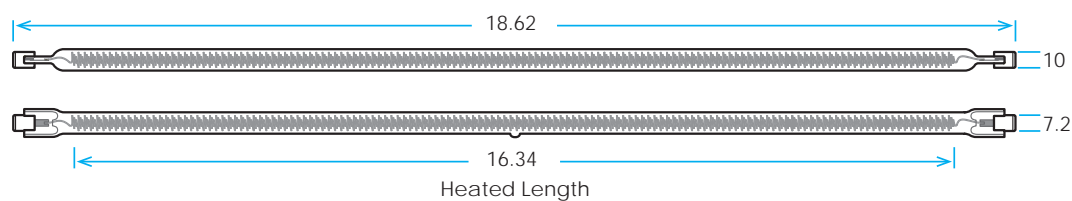
Standard Wattage 1000W. Standard Voltage 240V.



QTL

### Quartz Tungsten Long

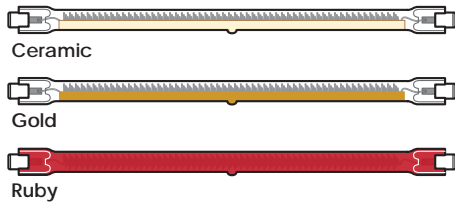
Standard Wattage 1500W 1750W 2000W. Standard Voltage 240V.





ELEMENT TYPE	WATTS	MAX COIL TEMPERATURE
QTS	750W	2642°F
QTM	1000W	2642°F
QTL	1500W	2318°F
QTL	1750W	2678°F
QTL	2000W	2732°F
QHS	750W	4370°F
QHM	1000W	4370°F
QHL	2000W	4082°F

#### Coatings



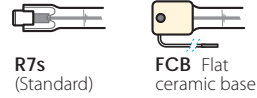
#### Tube Sizes



#### Single Tube

#### Twin Tube

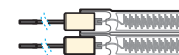
#### Termination Type Single Tube



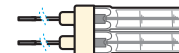
#### Termination Type



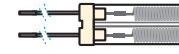
#### Coil Type Twin Tube



TTF Fast Medium Wave Quartz Tungsten



TTS Short Wave Quartz Halogen



TTL Long Wave Quartz

#### Coil Type twin tube



Type B Single Sided Connection

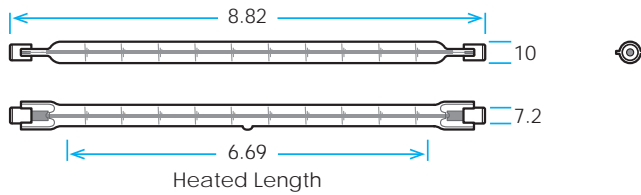


Type C Double Sided Connection

QHS

### Quartz Halogen Short,

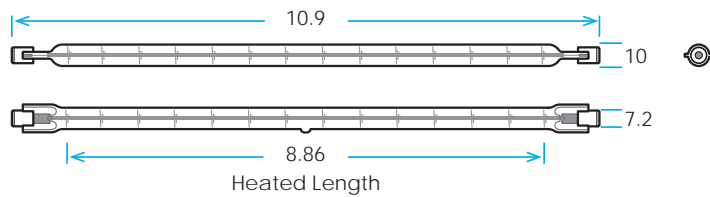
Standard Wattage 750W, 1000W. Standard Voltage 240V.



QHM

### Quartz Halogen Medium

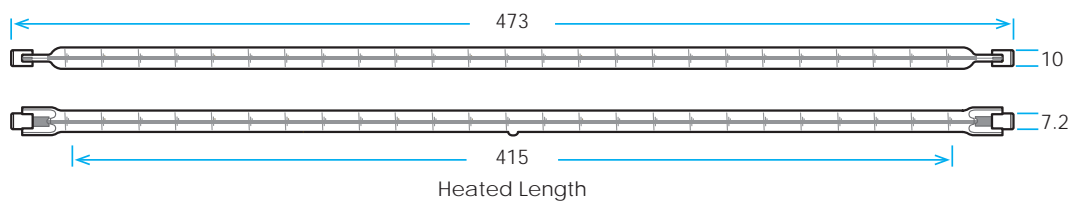
Standard Wattage 1000W. Standard Voltage 240V.



QHL

### Quartz Halogen Long

Standard Wattage 2000W. Standard Voltage 240V.





## REFLECTORS AND PROJECTORS

Highly reflective aluminised steel projectors and reflectors

At WECO, our reflectors are designed to cater for a wide range of ceramic and quartz infrared emitters. Units can be mounted individually or side-by-side forming infrared heat panels.

Our projectors are designed to cater to a wide range of ceramic elements and are the ideal solution where positional heat is required economically, efficiently and quickly.

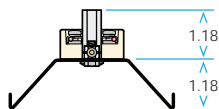
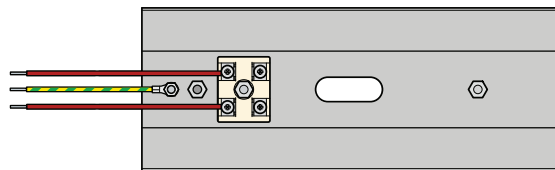
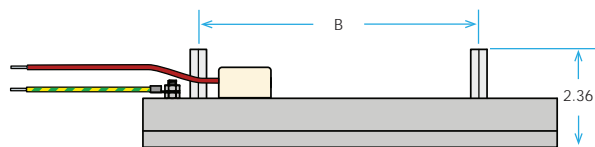
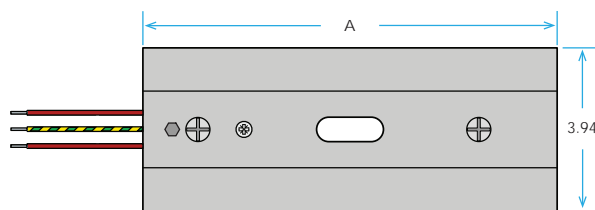
## Reflectors and Projectors

All dimensions in inches. Tolerances apply

RAS

### Reflector Aluminised Steel

Reflector material 0.03" polished aluminised steel. Mounting studs with M6 internal thread. 11.81" high temperature leads.



RAS 1 shown as example

**RAS 0.5** Suitable for HTE, HFEH and HFE elements.

Overall length A = 6.3" Distance between fittings B = 5.16"



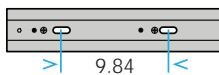
**RAS 1** Suitable for FTE, FFEH and FFE elements.

Overall length A = 10" Distance between fittings B = 6.89"



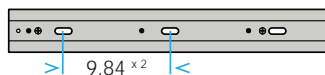
**RAS 2** Suitable for FTE, FFEH and FFE elements.

Overall length A = 19.89" Distance between fittings B = 10.94"



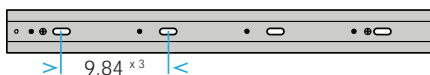
**RAS 3** Suitable for FTE, FFEH and FFE elements.

Overall length A = 29.69" Distance between fittings B = 20.79"



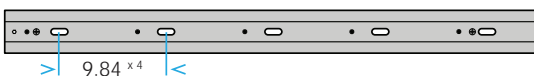
**RAS 4** Suitable for FTE, FFEH and FFE elements.

Overall length A = 39.53" Distance between fittings B = 30.63"



**RAS 5** Suitable for FTE, FFEH and FFE elements.

Overall length A = 49.37" Distance between fittings B = 40.37"



## Quartz Tungsten / Halogen Reflectors

Reflector manufactured from 0.03" polished aluminised steel.

2 x M5 fixing bolts

R7s holders with 7.87" leads Ø 0.03" mm with PTFE-insulation

### QTSR Quartz Tungsten Halogen Short Reflector

Suitable for QTS/QHS tubes with R7s terminations

Overall length A = 9.84" Distance between fittings B = 6.02"

### QTMR Quartz Tungsten Halogen Medium Reflector

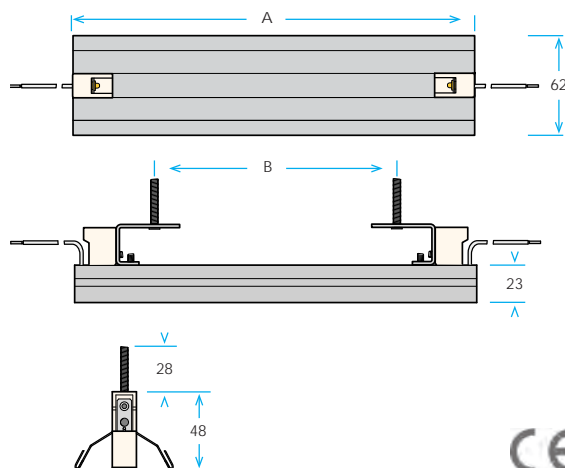
Suitable for QTM/QTM tubes with R7s terminations

Overall length A = 11.81" Distance between fittings B = 7.99"

### QTLR Quartz Tungsten Halogen Long Reflector

Suitable for QTL/QHL tubes with R7s terminations

Overall length A = 19.57" Distance between fittings B = 15.75"

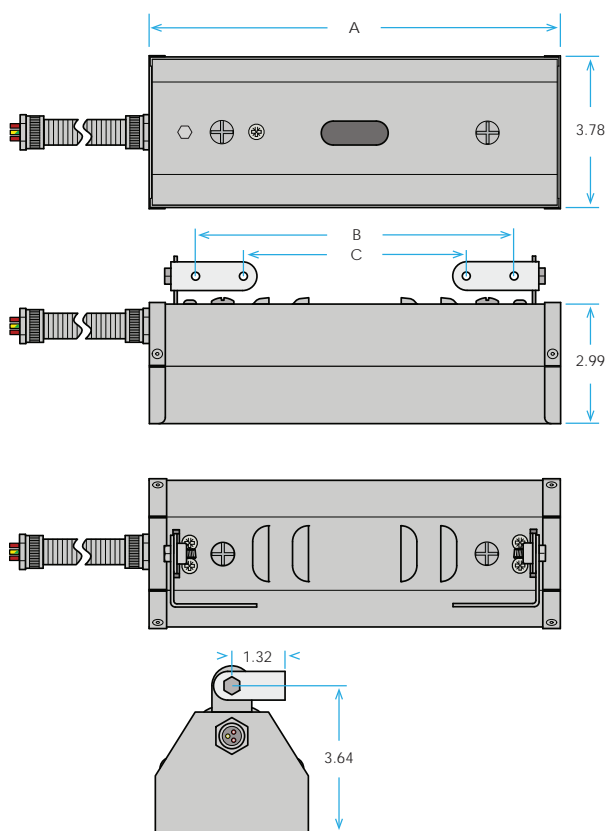


QTSR shown as example

## Projector Aluminised Steel

Reflector material 0.03" polished aluminised steel.

Ø 0.63" metal conduit, length 59"



PAS 1 shown as example

### PAS 1 Suitable for FTE, FFEH and FFE elements.

Overall length A = 10.2" B = 7.88" C = 5.51"



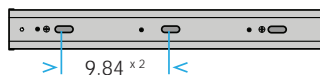
### PAS 2 Suitable for FTE, FFEH and FFE elements.

Overall length A = 20" B = 17.7" C = 15.35"



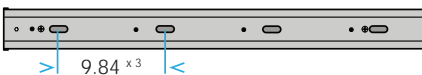
### PAS 3 Suitable for FTE, FFEH and FFE elements.

Overall length A = 29.84" B = 27.6" C = 25.2"



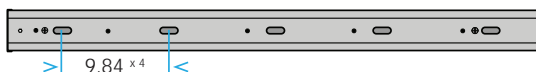
### PAS 4 Suitable for FTE, FFEH and FFE elements.

Overall length A = 29.7" B = 37.4" C = 35.04"



### PAS 5 Suitable for FTE, FFEH and FFE elements.

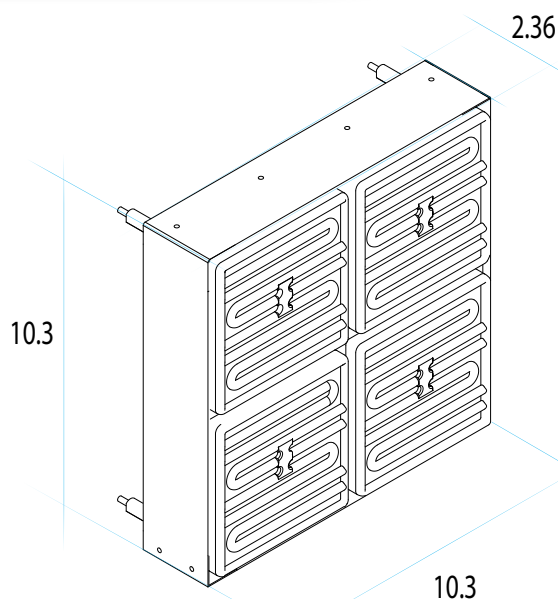
Overall length A = 49.5" B = 47.24" C = 44.88"



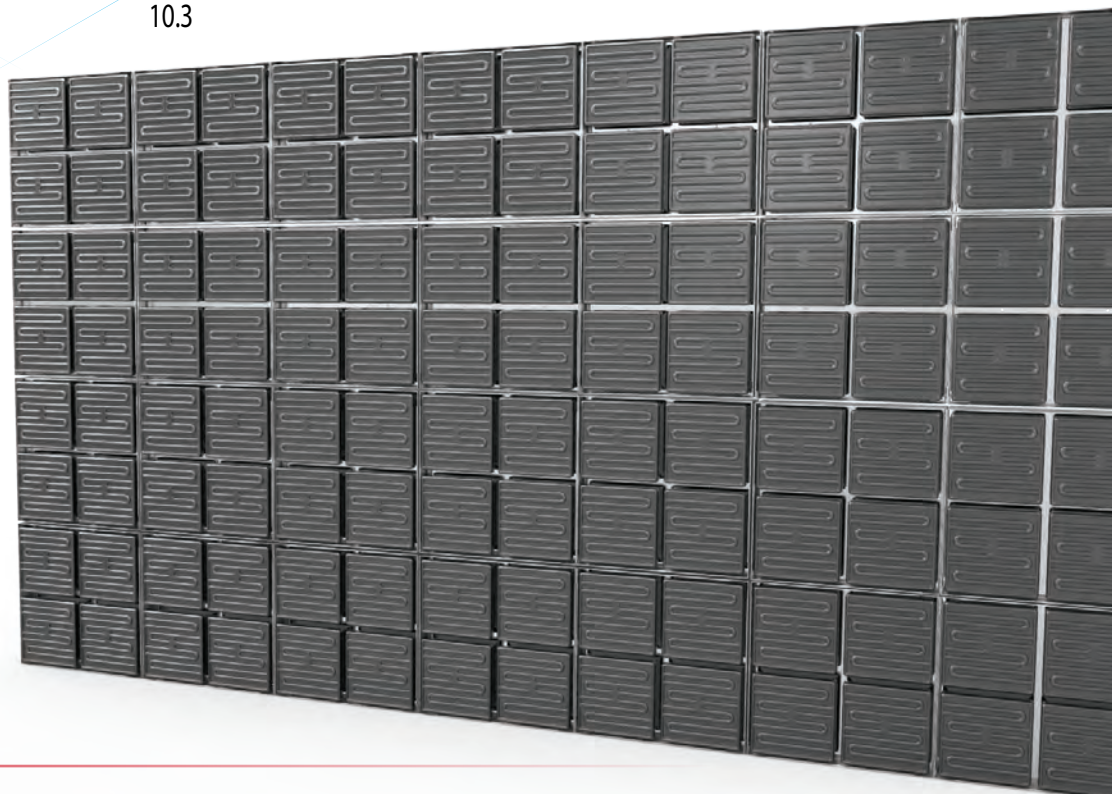


## Modular IR Units

### MODULAR IR HEATER



The Modular IR 260 units are designed to maintain equal element spacing when mounted in an array



**Modular IR 260 – Modular long wave infrared heater** allowing multiple units to be arrayed with equal element spacing

Dual voltage 480/240 V (elements can be connected in series or parallel)

Two power output options – 2.4 kW and 1.6 kW

Robust high temperature resistant construction

Fitted with high efficiency black ceramic hollow emitter model SFEH (x 4)

Stainless steel housing

High reflectivity polished aluminised steel reflector plate

Fixed using 4 stainless steel stand off's with M6 threaded screw and fixing nut

Optional type K thermocouple in one of the ceramic emitters

Thermocouple (if installed) connected using removable ceramic type K plug (supplied)





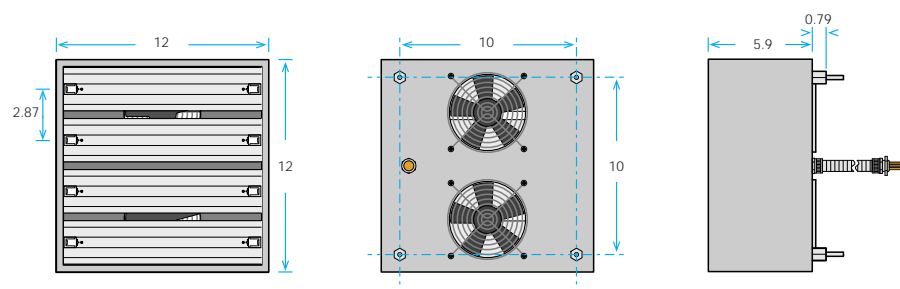
## FAST IR

These compact robust systems form an ideal installation for quartz heating elements – quartz tungsten/halogen glass tube emitters. Optimum efficiency is achieved by highly polished aluminium steel reflection and rear mounted axial flow fans, which eliminate rear convection losses and keep the reflectors cool for better directional quality on the infrared output. The external body which is manufactured from aluminium can be maintained at “touch safe” temperature.

All dimensions in inches. Tolerances apply

### FAST IR

**FASTIR 305** Suitable for 1000W Quartz tungsten/Halogen heaters QTM or QHM. Standard FastIR 305 designed to hold 4 tubes (4kW), also available as 5 tube (5kW).



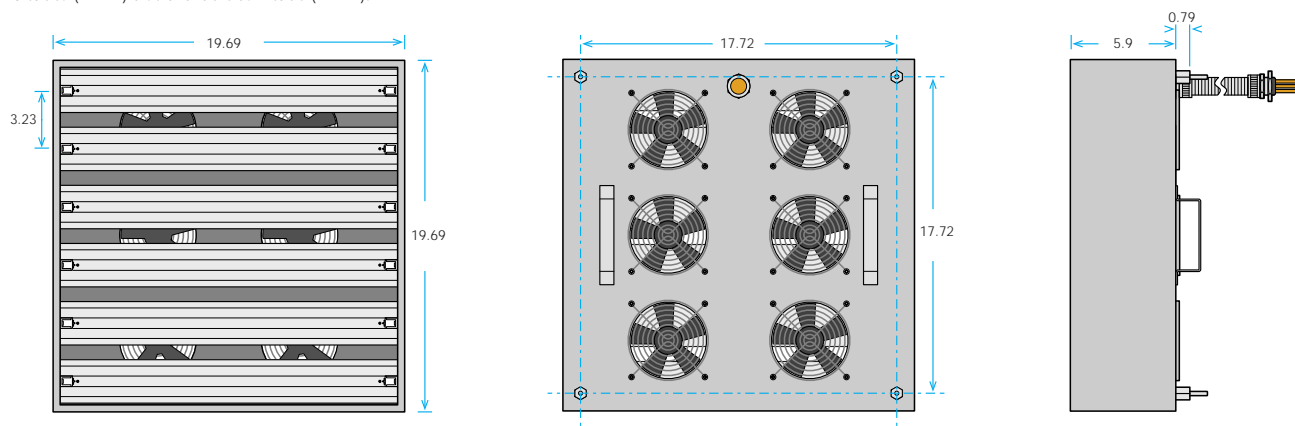
4 x Aluminium stand off with M6 threaded screw with fixing nut.

Electrical termination made via 59" of 0.79" diameter flexible metal conduit with additional 19.69" of glass fibre insulated NPC conductors. 2 rear mounted axial flow fans.

Suitable for heater type QTM (Quartz Tungsten Medium) or QHM (Quartz Halogen Medium) tubes with R7s termination, 240V (1000W maximum)



**FASTIR 500** Suitable for 1500W, 1750W, 2000W Quartz Tungsten heaters QTL or 2000W Quartz Halogen heaters QHL. Standard FastIR 500 designed to hold 6 tubes (12kW) also available as 7 tube (14kW).



4 x Aluminium stand off with M6 threaded screw with fixing nut.

Electrical termination made via 59" of 0.98" diameter flexible metal conduit with additional 19.69" of glass fibre insulated NPC conductors. 6 rear mounted axial flow fans.

Suitable for heater types QTL (Quartz Tungsten Long) or QHL (Quartz Halogen Long) tubes with R7s termination, 240V (2000W maximum).

Please note other configurations are available on request.





## Accessories

### ACCESSORIES

WECO manufactures a range of accessories, including steatite press components.

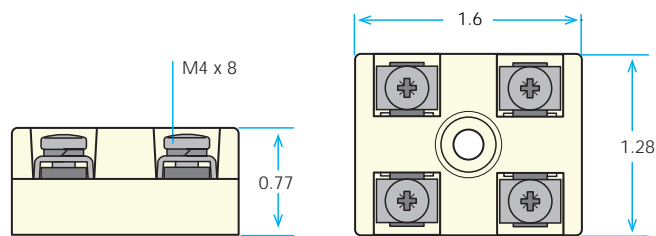
Steatite ceramic dust has proven itself to be the material-of-choice for the manufacture of electrical insulators thanks to its good mechanical strength, ideal dielectric properties and high temperature resistivity of up to 1832°F



All dimensions in inches. Tolerances apply

### CERAMIC TERMINAL BLOCKS

#### 2P Ceramic terminal block Stainless steel fittings, body Steatite C-221



Maximum voltage:	500 V
Maximum temperature:	842 °F
Maximum current:	20 A*
Maximum cable CSA (solid):	4.0 mm sq.
Maximum cable CSA (stranded/with ferrule)	2.5 mm sq.

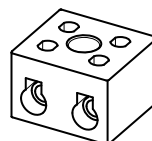
\*Up to 30A permissible at lower temperatures.

#### 2P Mini Ceramic terminal block



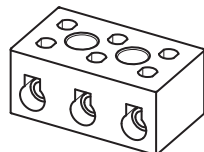
Nickel galvanised brass inserts.  
Zinc plated steel screws.  
0.8" x 0.7" x 0.6"

#### TB2 Ceramic terminal block



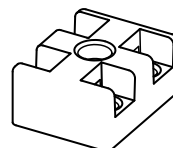
Plated brass inserts.  
Nickel galvanised screws.  
1.3" x 1.18" x 0.87"

#### TB3 Ceramic terminal block



Plated brass inserts.  
Nickel galvanised screws.  
2" x 1.18" x 0.87"

#### 2P Ceramic terminal block no fittings

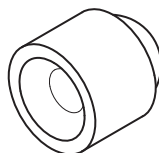
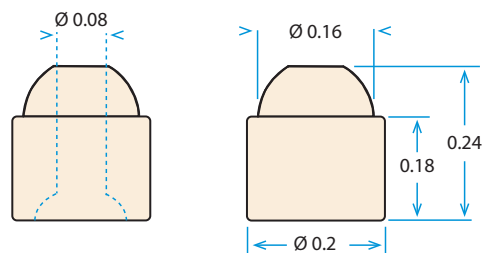


1.6" x 1.28" x 0.37"

### CERAMIC BEADS

#### Ceramic beads 1 Kg bag

Material: Steatite C-221

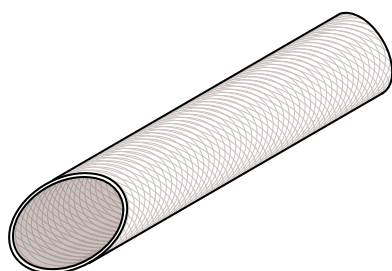


#### Ceramic tubes



Ø 0.2" x 0.45"  
Material: Steatite C-221

## Fibre glass braided sleeving

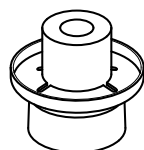


Fibre glass braided sleeving non-impregnated

Continuous working temperature: -140°F to +842°F

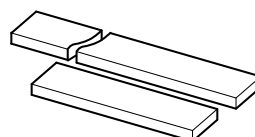
Nominal Inner diameter	Min. wall thickness	Linear weight approx
0.079"	0.0079"	2lb/1,000ft
0.16"	0.012"	5lb/1,000ft
0.24"	0.012"	8lb/1,000ft

## Grommet set



Ceramic grommet and star-lock fastener set, used as insulator in sheet metal with 6mm hole  
0.37" x 0.3"

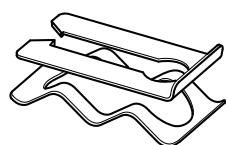
## Stainless steel buss bar



Used with the ceramic terminal block to produce a flexible power distribution system

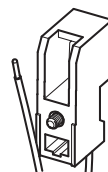
0.31" x 0.079" x 39.37"

## Steel wave and spring clip



Used in the mounting and installation of all Ceramic and pillared quartz elements

## R7s ceramic holder



For standard quartz tungsten tubes and quartz halogen tubes



# **Product Guide**



WECO International 235 S Seymour Rd, Flushing, MI 48433

Call: (810) 686-7221 Email: [weco@wecointernational.com](mailto:weco@wecointernational.com)

[www.wecointernational.com](http://www.wecointernational.com)