

Quickly 红外加热专家



ANHUI QUICKLY INDUSTRIAL HEATING TECHNOLOGY CO.,LTD

Holding 13 Years of Experience, established in 2005, ANHUI QUICKLY INDUSTRIAL HEATING TECHNOLOGY CO.,LTD, an expert manufacturer of quartz tubular infrared lamps (halogen lamps, shortwave IR lamps, fast medium wave IR lamps, medium wave IR lamps and carbon fiber IR lamps).

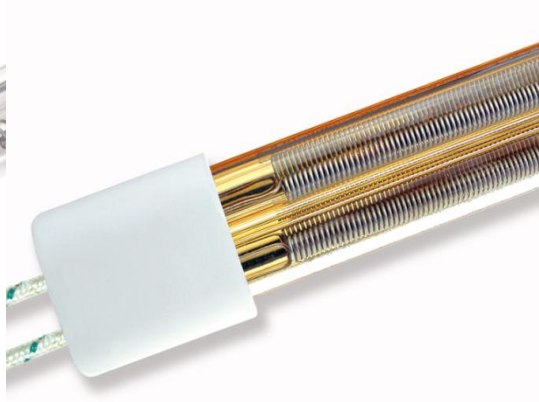
what we supply -

IR Heater Lamp

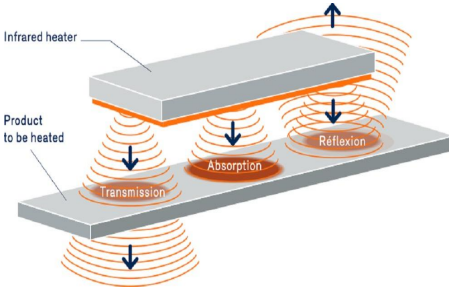
Short Wave Lamp

Medium Wave Lamp

Carbon Lamp



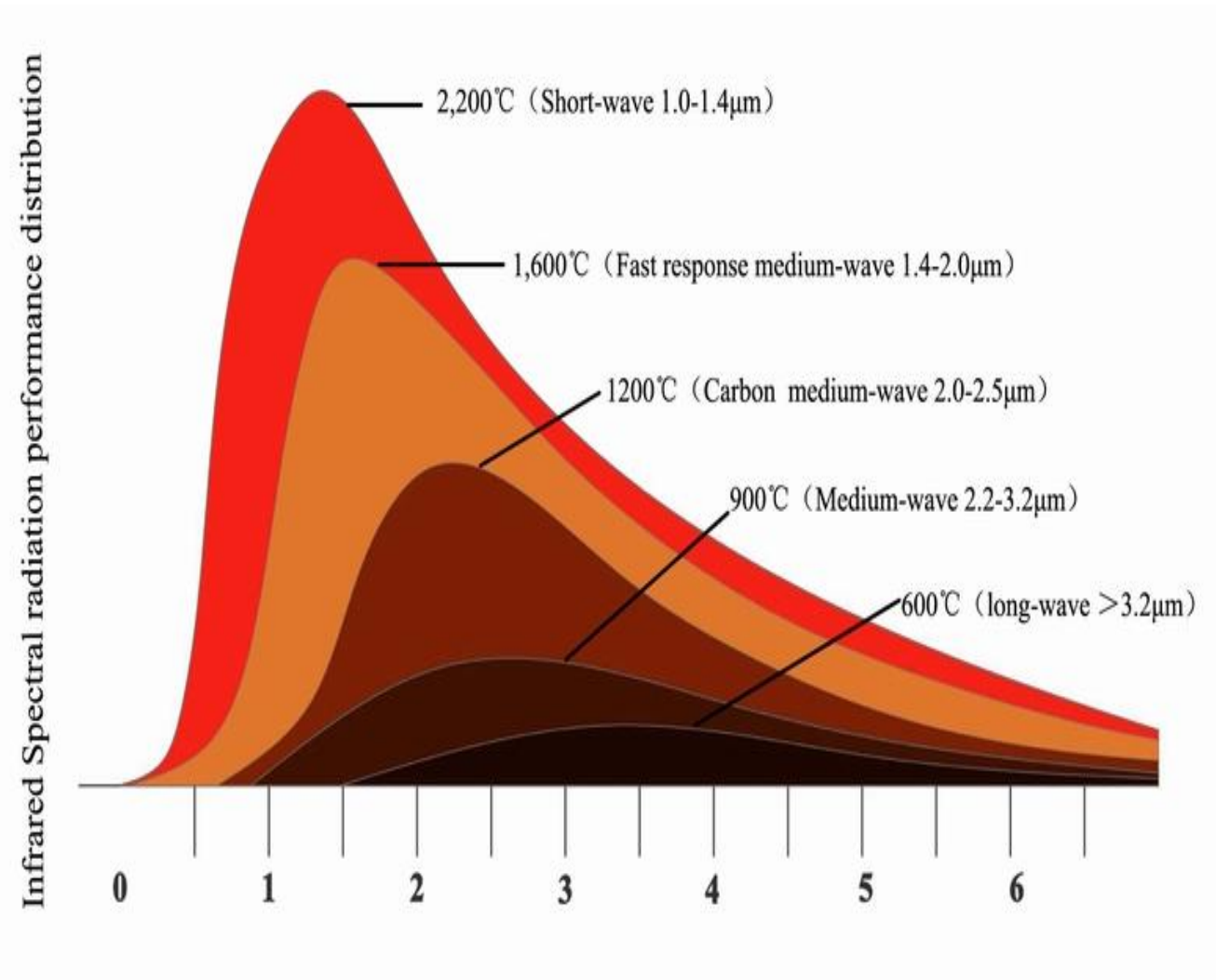
What is infrared radiation

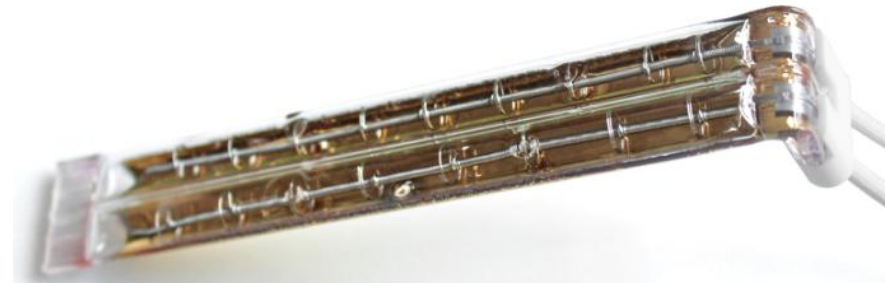


Radiation: heating is the transfer of heat using invisible electromagnetic waves of energy from a heat source to the object to be heated.

Infrared heat is generated by a hot source (quartz tube or ceramic element) by vibration and rotation of molecules. The resulting energy is controlled and directed specifically to and on people and objects.

This energy is not absorbed by air and does not create heat until it is absorbed by an opaque object. The sun is a source of infrared energy traveling at the speed of light and converting to heat upon contact with the ground, people, buildings floors and any other opaque objects. There is however no ultraviolet component (sun tanning rays) in electric infrared.





Short Wave IR Emitter
(vacuum)

Main Specifications of Short Wave IR Lamp

Tube Standard Cross Section:

$\phi 10, 11, 12, 13, 13.7, 15, 18, 20, 23 * 11, 33 * 15 \text{mm}$

Radiation Range of Peak Wavelength : 0.75-1.4 μm

Max Power: 200w/cm

Recation Time : 1-2s

Max Unit Area Power: 200kw/m²

Warranty Time : 5000 hours

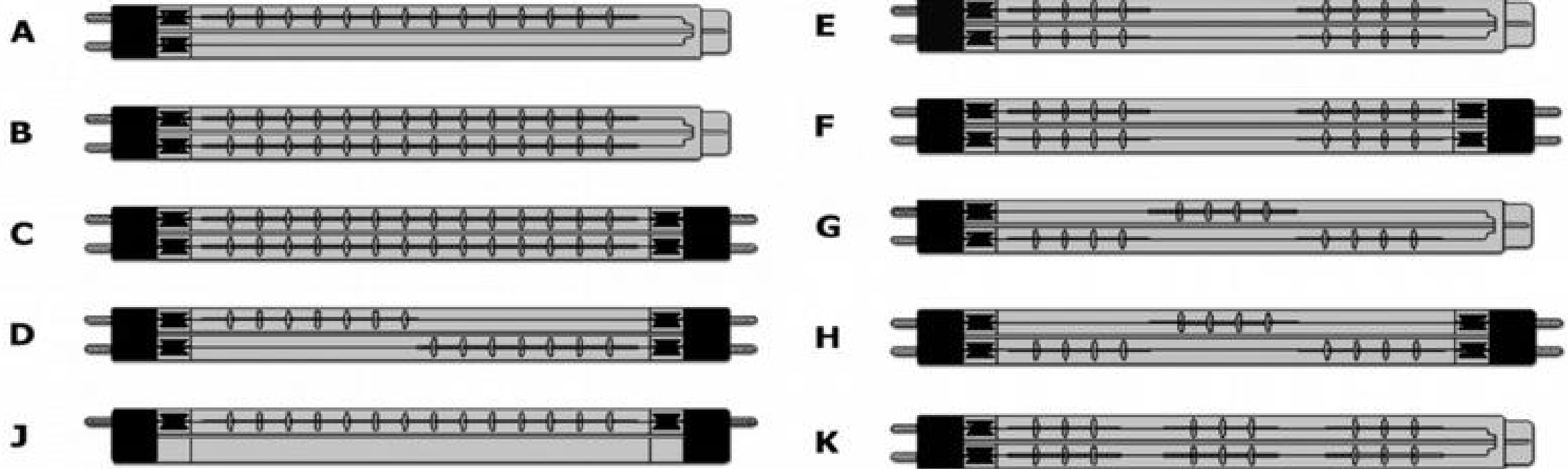
Horizontal and vertical using

Filament Temp: 1800-2400°C

Max Heated Length : 6400/2400mm

can make a reflector on the quartz tube for efficiently concentrate infrared radiation

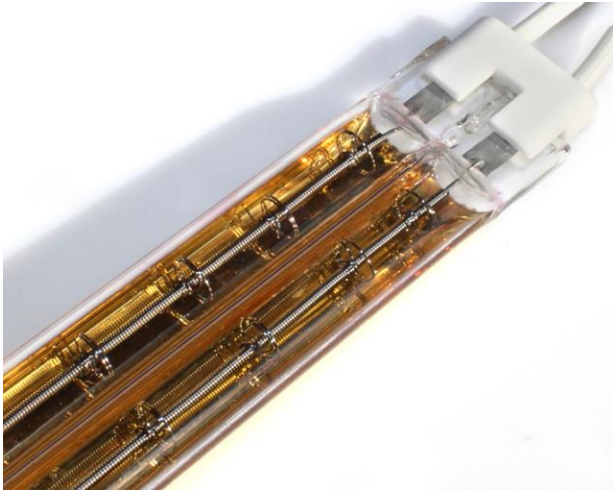
Filament Construction of Twin Tube Short Wave Emitter



Single Tube Short Wave Lamp



Twin Tube Short Wave Lamp





Medium Wave IR Emitter
(antivacuum)

Main Specifications of Medium Wave IR Lamp

Tube Standard Cross Section:

$\phi 10, 11, 12, 13, 13.7, 15, 18, 20, 23 * 11, 33 * 15 \text{mm}$

Radiation Range of Peak Wavelength : 2.6-3.5 μm

Max Power: 25w/cm

Recation Time : 1-4mins

Max Unit Area Power: 60kw/m²

Warranty Time : 20000 hours

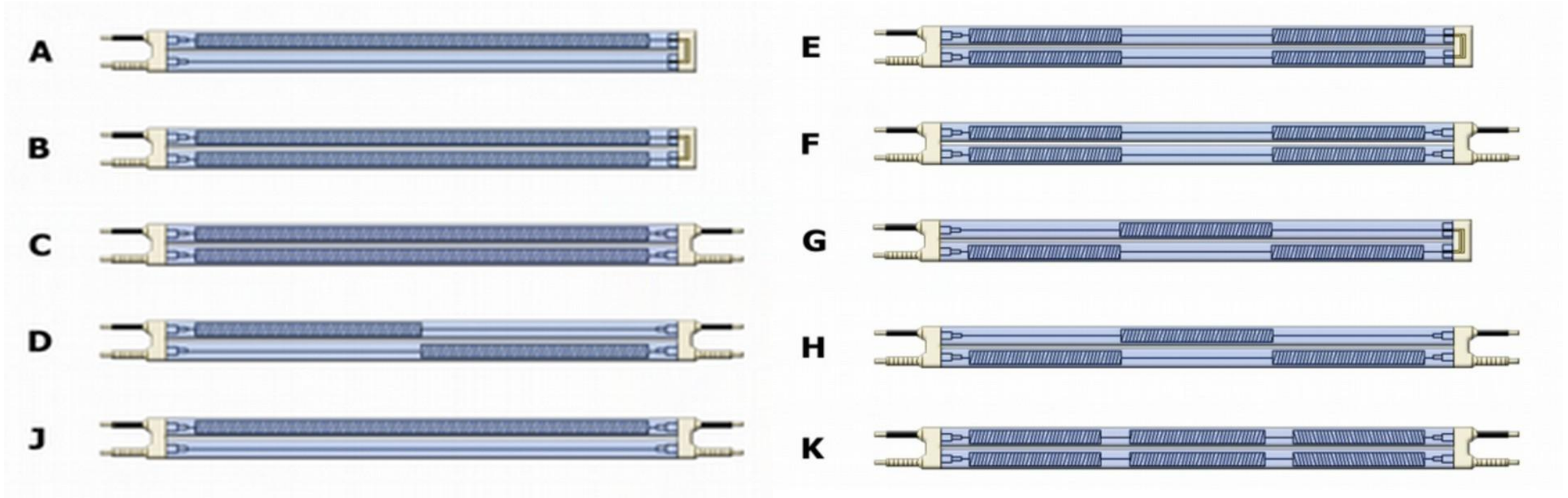
Horizontal using only

Filament Temp: 800-950°C

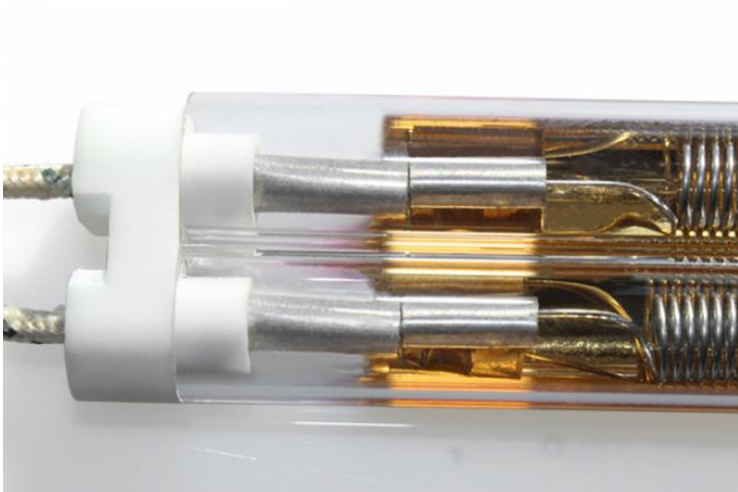
Max Heated Length : 1500/2000/6500mm

can make a reflector on the quartz tube for efficiently concentrate infrared radiation

Filament Construction of Twin Tube Medium Wave Emitter



Medium Wave IR Lamp





Carbon IR Emitter
(vacuum)

Main Specifications of Carbon Emitter

Tube Standard Cross Section:

$\phi 10, 11, 12, 13, 13.7, 15, 18, 20, 23 * 11, 33 * 15 \text{mm}$

Radiation Range of Peak Wavelength : 1.4-2.6 μm

Max Power: 80w/cm

Recation Time : 1-2mins

Max Unit Area Power: 150kw/m²

Warranty Time : 10000 hours

Horizontal using only

Fliament Temp: 1400-1800°C

Max Heated Length : 6400/2400mm

can make a reflector on the quartz tube for efficiently concentrate infrared radiation

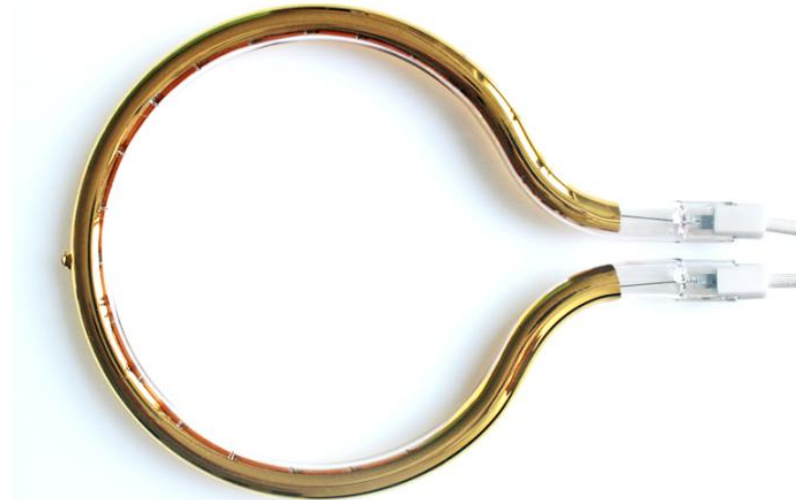
Carbon Medium Medium Wave IR Emitter



Special Shaped IR Lamps



45/53



advantages of coating •

1. All of our emitters can be coated with a layer of gold or ceramic as reflectors. The gold/ ceramic coating can concentrate the heat, increasing the effectiveness of the heat output.

2. The emitters with coating are highly economical, converting practically all the consumed electrical power into heat.



selection of coating type

For the emitters with high watt density or the surface temperature of the tube above 800°C , we suggest to use ceramic coating as reflector because gold couldn't stand such a high temperature.

• In addition to 180° (half-tube) coating, we also manufacture 270° coating or other customer specified degrees.

selection of IR Lamps

The Correct Wavelength

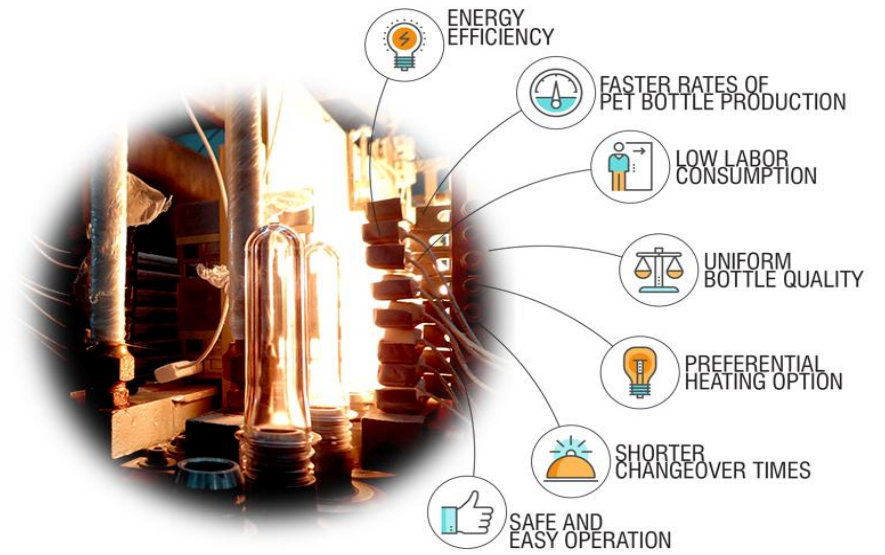
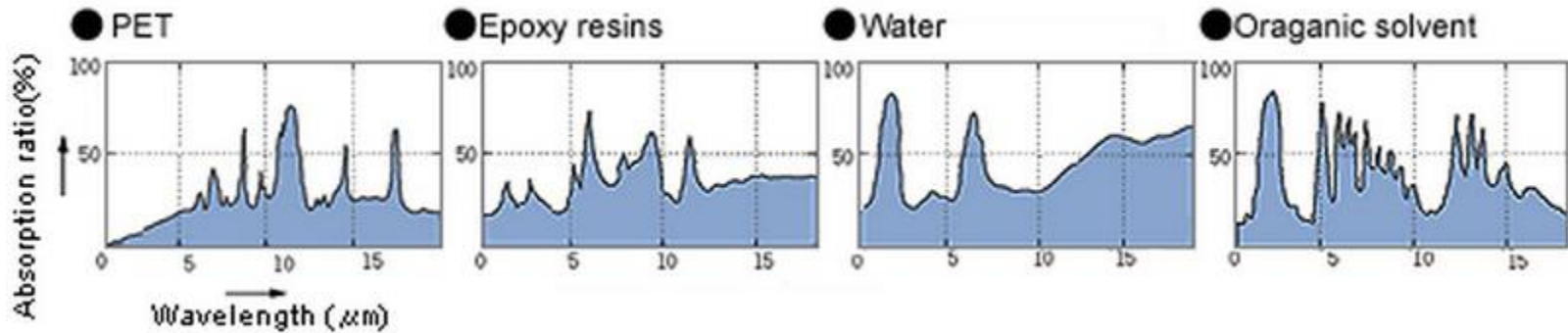
Depending on the temperature of the heating element, an infrared emitter delivers distinctly different radiation at various wavelengths.

It is important to select the correct emitter for the product.

Short wave radiation can penetrate deep into some solid materials and ensure a uniform through heating.

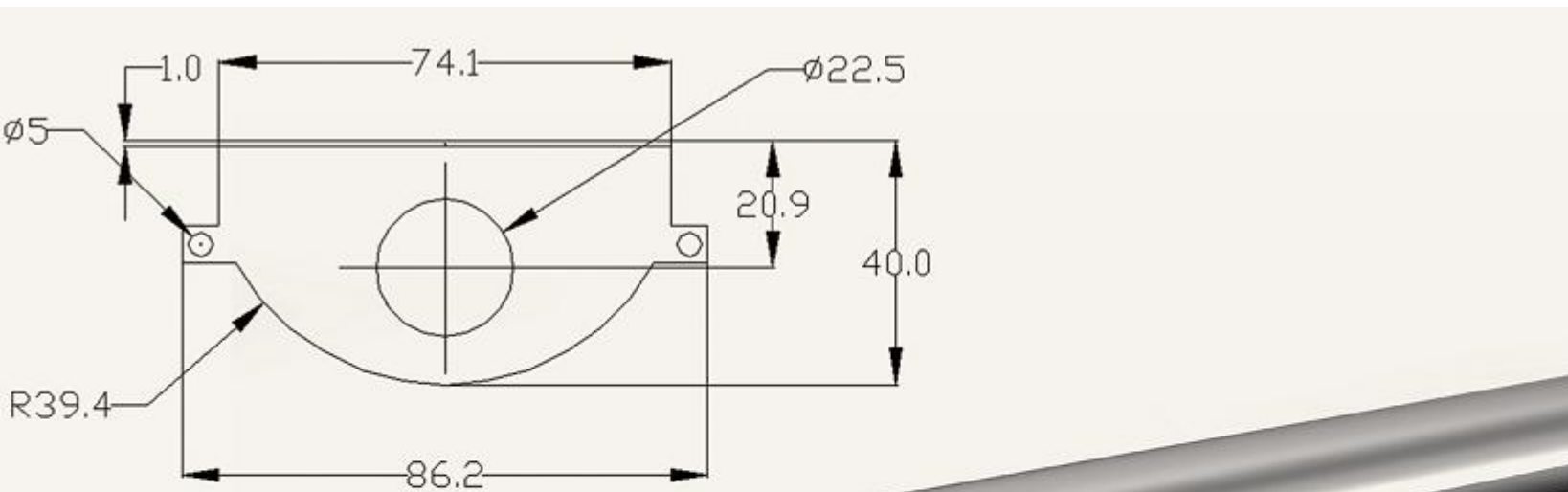
Medium wave radiation is absorbed mostly in the outer surface and predominantly heats the surface. Medium wave radiation is particularly well absorbed by many plastics, glass and especially water and is converted directly into heat.

Instance

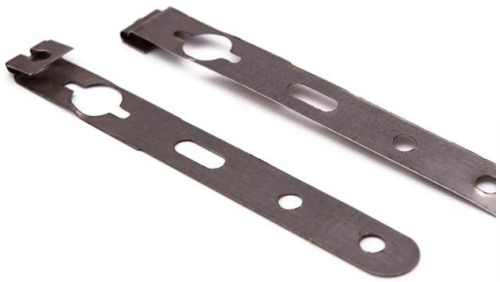
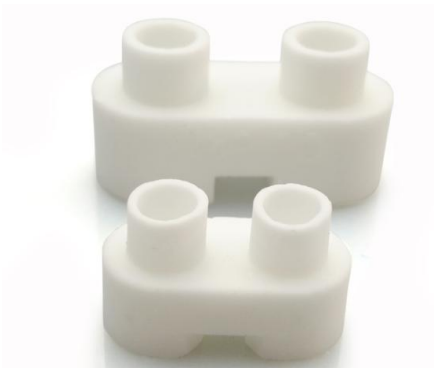
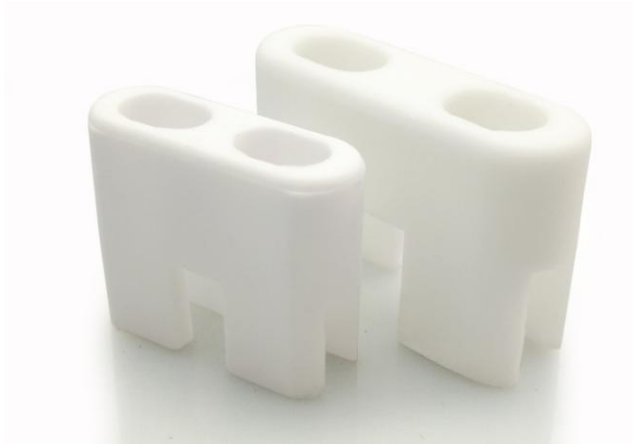


Reflector

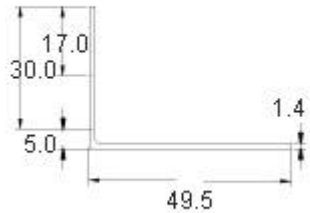
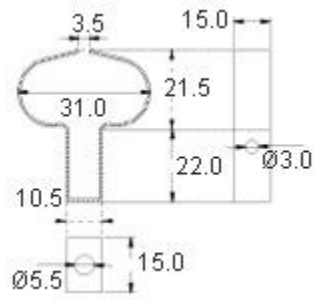
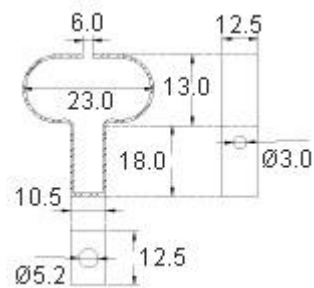
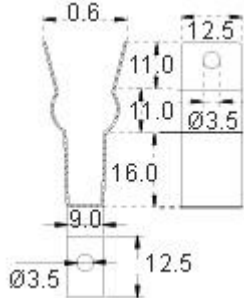
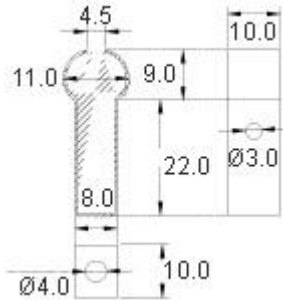
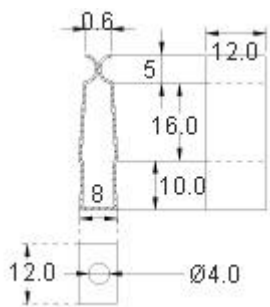
1. which can help to reflect the light radiated from the lamps to focus on the object, saving energy & improving working efficiency
2. besides, you can adjust the reflector's gradient by the adjustable device at two sides to realize the best drying position
3. the longest reflector can be 3000mm, available for single tube and twin tube lamps



Ceramic End Bases



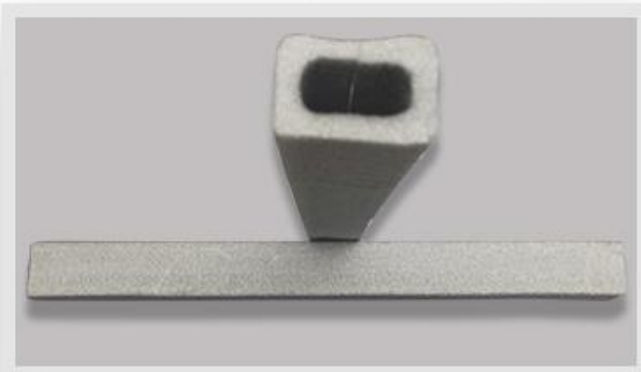
Supporting Clamps for Lamp Installing



Certificates



Packing Way



THANKS

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