

## IR-emitters

### Features

- compact design
- length up to 3,000 mm
- short-, medium and fast medium wave as well as narrow and carbon infrared
- gold- or ceramics reflector option

### Advantages

- high efficiency due to direct heating
- short process cycle
- customized construction available
- can be adapted to suit technical process

# IR-emitters

Our **Infrared-emitters** are available in different specifications and wavelengths. Therefore, they can be perfectly adapted to the product and to the production process.

Thanks to **high flexibility**, customers' special requests can be fulfilled precisely. Our IR-emitters are most suitable for industrial applications, where heating processes must run reliably.

## Application

Our IR-emitters are made from the highest quality materials. We produce highly effective IR-lamps, resulting in high production efficiencies at our customers.

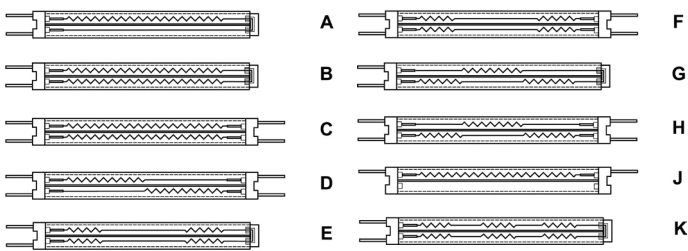
Typical applications are:

- Curing of inks, varnishes and wood coatings
- Powder coating processes
- Solar cell and semiconductor manufacturing
- Handling and treatment of plastics
- Treatment of textiles
- Heat treatment of food
- Heating and coating of glass

## Design

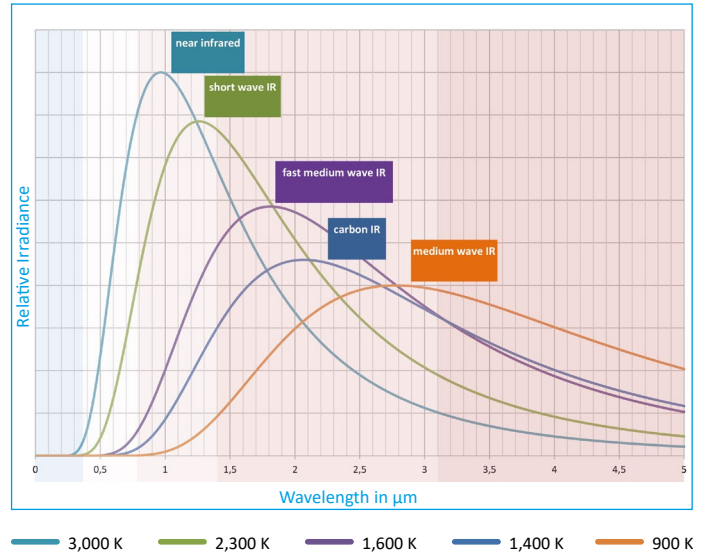
All IR-emitters are available as **Single- or Twin-lamps** with single- or two-ended connectors. On request, these lamps can be designed for vertical operation.

The following designs are possible on request:



## Technical data

Material	Quartz glass
Tube dimension (in mm) Twin-tube Single-tube	17x8,5, 22x11, 32x15 Ø10-19, special design on request
max. lamp length	3,000 mm without reflector 2,300 mm with reflector
Filament temperature Medium wave - IRM Carbon - IRC Fast medium wave - IRsM Short wave - IRK Narrow infrared - NIR	800 – 950°C 1260 – 1400°C 1400 – 1.800°C 1.800 – 2.400°C 2.400 – 3.000°C
Reaction time Medium wave IRC, IRsM, IRK, NIR	60-90 sec. 1 - 2 sec.



Disinfection

Drying

Curing

Control

Measuring



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