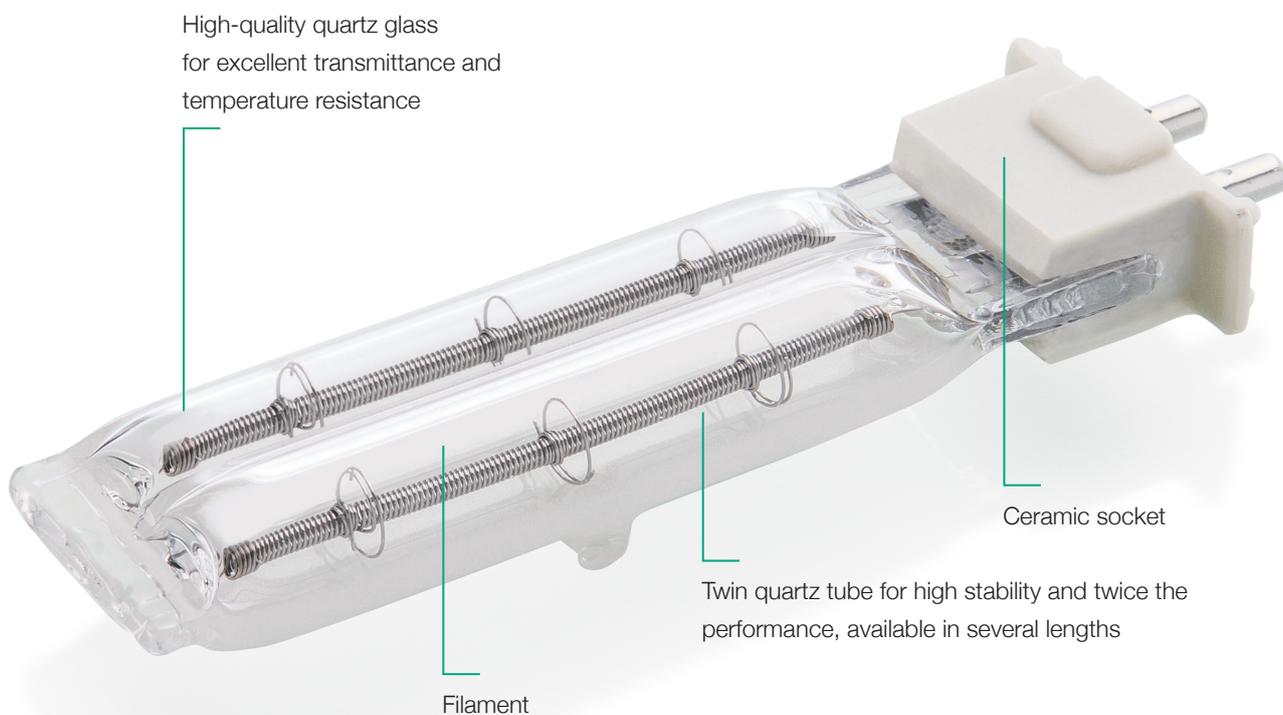




# High-Power Infrared Irradiation with Twin Tube Lamps

High-quality quartz glass for great transmittance and temperature resistance.



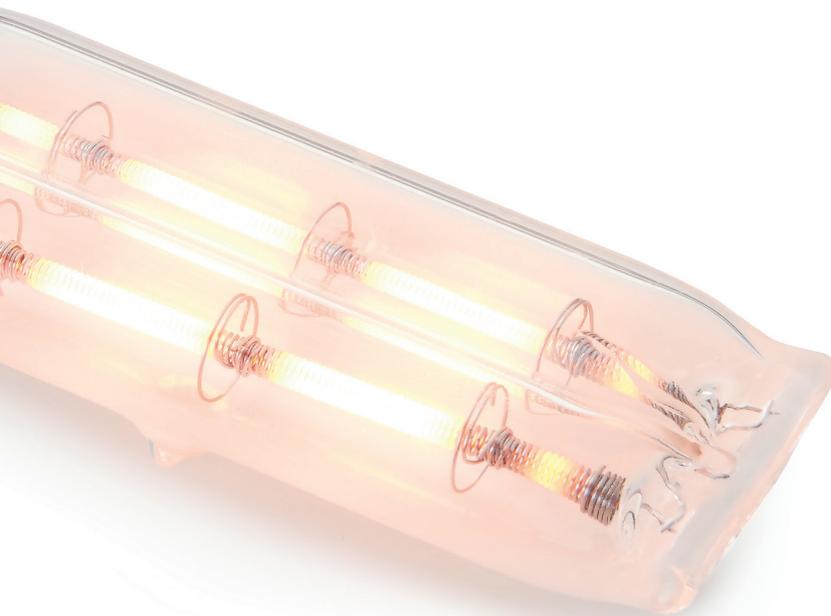
Twin tube lamps are special IR emitters consisting of two welded quartz tubes. A unique characteristic of twin tube lamps is their high mechanical robustness and excellent radiation output-to-size ratio.

## Features

- ◆ High radiation power
- ◆ Short or medium wavelength radiation
- ◆ Various filament designs
- ◆ Single or double-ended electric outlet
- ◆ Cross section / profiles: 22x11 mm or 30x15 mm
- ◆ On request available with:
  - an integrated reflector made from alumina ceramic
  - a universal burning position
  - a waterproofed connection

## Applications

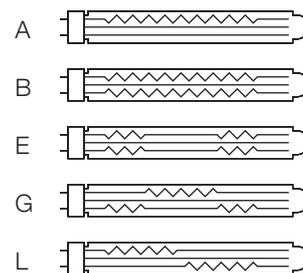
- ◆ Welding of synthetic fluid reservoirs
- ◆ Heating or fusing of synthetics
- ◆ Heating of composite materials
- ◆ Drying of varnish and paper (e.g. in the printing industry)
- ◆ Activation of adhesives
- ◆ Lamination and shrinking of foils
- ◆ Semiconductor and photovoltaic industry
- ◆ Heating before flash freezing in the food industry



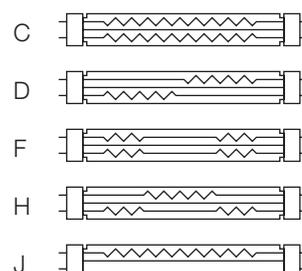
Various filament designs also with a waterproofed connection.

## Twin-Tube Lamp

Single-ended



Double-ended



# Examples of Twin Tube Lamps

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Twin tube lamp, single-ended, with coating



Twin tube lamp, single-ended, with coating



Twin tube lamp, double-ended, with coating



Twin tube lamp, double-ended, no coating, segmented filament



IR lamp holder: to ensure safe handling of your infrared lamps.



## Developing Solutions Together

Ushio is a partner that listens to your ideas and requirements. Let us optimise your processes according to your specifications and expectations. Use our expertise to develop a tailor-made solution that matches your needs.

**USHIO**  
*Applying Light to Life*

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