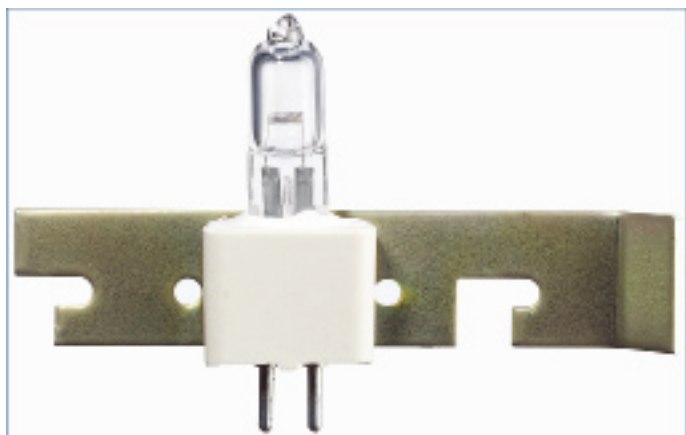


Tungsten Halogen Lamps from Heraeus Noblelight



Tungsten halogen lamps provide a continuous spectrum from 315 nm to over 2000 nm. The output in the visible range of the spectrum ensures that they are highly suitable for use in analytical instrumentation.

Used in conjunction with deuterium lamps, tungsten lamps provide the wide ranging output required in UV/VIS spectrophotometers. Alone, they are suitable light sources for simple visible photometers.

ORDER INFORMATION

Current prices at: www.msscientific.de/tungsten_halogen_lamps_pdfpricelist.pdf.

We offer exclusively tungsten halogen lamps manufactured by Heraeus Noblelight. They are available as „naked“ lamps as well as prealigned versions. Their main characteristics are:

- high color temperature
- high luminous intensity
- long lifetime

Tungsten halogen lamps consist of a sealed quartz envelope housing, a tungsten filament and are filled with a halogen gas mixture specific to its final application.

Envelope: Heraeus Noblelight tungsten halogen lamps consist of a sealed quartz glass envelope. The dimensions of the envelope are specified depending upon the type of filament chosen.

Filaments: The filaments are made from high purity AKS doped tungsten wire, specifically manufactured or selected for halogen grade creep resistance. They can be formed in axial, transverse or grid configurations. Close attention is given to the physical size of the wire and its pitch and spacing as this determines the electrical and optical properties

Gas fill: Typical mixtures are argon/halogen, argon/hydrogen/halogen, krypton/halogen or xenon/halogen at pressures of between 2 and 10 bar. As lamp performance depends upon the the composition and consistency of the gas mixtures, these are closely monitored on a batch basis.