



Helioworks  
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Helioworks has developed a new class of infrared emitters or sources and lamps utilizing tungsten filaments in combination with sapphire windows to provide enhanced emission in the near infrared.

Applications include: medical and industrial non-dispersive infrared spectrometers and gas analyzers for CO, CO<sub>2</sub>, alcohol, hydrocarbons, and other noxious gases, and thermal beacons and markers.

With over 25 years of experience with infrared technology and manufacturing, we pride ourselves in the highest quality and performance standards.

## HIGH AND LOW TEMPERATURE INFRARED EMISSION

Helioworks has developed state-of-the-art sources utilizing tungsten filaments for high temperature, stable, long life operation. Pulsable versions operate with peak temperatures up to 2000° K and feature large temperature modulation at elevated frequency. Steady-state versions utilize both tungsten and Kanthal filaments. These sources or emitters are sealed in industry standard TO-8 packages with gold plated reflectors for enhanced emission in the near IR.

*We have broad capability in the design and manufacture of steady state and pulsable infrared sources utilizing tungsten, Kanthal and other filament materials.*

### FILAMENT TECHNOLOGY

- Pulsed or steady state
- Long term stability
- Desirable signal-to-noise ratio
- Large temperature modulation in pulsed mode
- Latest technology in packaging and window options

We are a leading innovator in IR sources. Our staff is always committed to finding a better way to meet your infrared requirements.

Boston Electronics Corporation is an authorized distributor of Helioworks' IR sources.

