

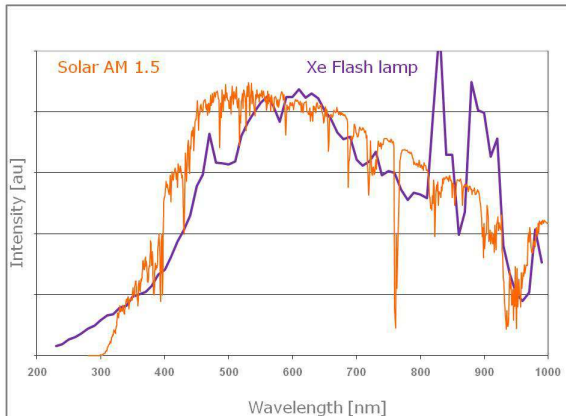


Arc and Flash Lamps closely match the sun

Heraeus Noblelight, Cambridge, is already working with leading Solar Test Equipment manufacturers to enable the highly controlled process of testing solar cells and panels. We understand the manufacturers' requirements and can provide a wide range of off-the-shelf products and bespoke lamps.

The Heraeus Noblelight, Cambridge sun simulation lamps provide the means for improving lamp testing, quality control, efficiency and cost reduction. To cater for the manufacturers' needs, we can produce long-life linear or ring lamps with uniform output distribution across the lamp for testing single cells and solar modules.

The lamp output closely matches the solar spectrum and can be used repeatedly for testing. This stability combined with the long lamp life allows for quality control.



Solar pulsed lamps

- Standard sunlight simulation – short UV – IR
- Linear and ring lamp availability
- Stable output
- Repeatable output
- Uniform output distribution
- Single-pulse and multi-pulse applications
- Lamp to lamp consistency
- Long lamp life

Spectral match

Using high quality quartz to select desired wavelengths (250nm – 1000nm) and pioneered cathode technology, Heraeus Noblelight Xenon solar flash lamps match the solar spectrum closely providing stable and repeatable results

Our service

- Design turn around in 5 days
- Lamp sample available within 4 weeks of design approval
- Technical support from our experienced team in Cambridge, with collaboration with our labs (University of Kaiserslautern)
- Our lamps are designed for output powers from 20 Watts to 30 kilo Watts

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