

# XENON SOLAR SIMULATION FLASHLAMPS

## FEATURES

- Available in a variety of shapes and sizes : linear, spiral, bulb, serpentine, U-shape
- Linear xenon flashlamps available in lengths up to 6 meters
- Designed for applications in systems with output powers from 100 to 3000 Watts
- Used with pulse durations from 0.1 to 250 ms
- Capable of meeting international standards ASTM E927-05, JIS C 8912-1989 and IEC 904-09 when used with optical filter
- Instant on/off lamp flashing minimizes target heat
- High peak energy with low average power offers reduced system energy demands
- No toxic materials - Mercury-free

## APPLICATIONS

- Photovoltaic cell testing
- Solar module testing
- Materials Testing
- Photobiology



## DESCRIPTION

Xenon Corporation's flashlamps provide true sunlight simulation for reliable, repeatable testing of photovoltaic cells and solar modules. Custom flashlamp designs deliver optimum lighting engineered to accelerate product testing and ensure product quality in process control applications. The instant on/off capability of pulsed xenon lamps enables either single-pulse or multi-pulse applications where controlled artificial sunlight is required. Pulsed lamps also remain off until testing is performed, thereby eliminating undesired heat buildup of cells and modules while reducing energy consumption.

## CORPORATE EXPERIENCE

Xenon Corporation pioneered the application of high intensity xenon pulsed light for photovoltaic cell and module testing during the early 1980's. Xenon flashlamps and electronics were supplied to Arco Solar, an early leader in manufacturing solar modules. Xenon's pulsed xenon lamps demonstrated their ability to solve problems of insufficient energy and high heat when a continuous (CW) light source was used. Xenon continues to be a major supplier of flashlamps to the global solar simulation industry.

Xenon welcomes the opportunity to provide high performance flashlamps for solar simulation and materials testing and will provide proposals upon receipt of customer specifications.



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