

# Accelerated Light Stability & Weathering

Sunlight, heat and moisture cause major losses from product damage every year. This damage includes fading, color change, strength loss, cracking, crazing, embrittlement and gloss loss. Products exposed to direct sunlight, sunlight through window glass, or harsh indoor lighting are most at risk.

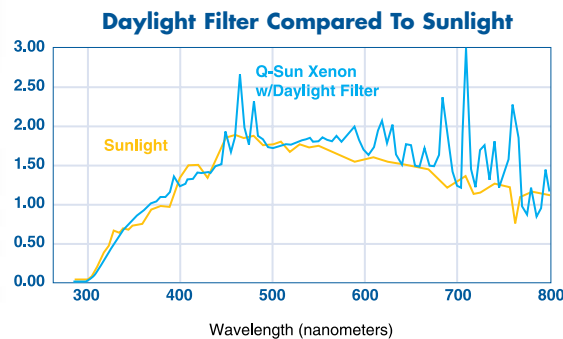
## Q-SUN

### Xenon Test Chamber

The Q-Sun Xenon Test Chamber can be used to simulate and accelerate either outdoor or indoor service conditions. It is useful for both R&D and quality control applications.

**Full Spectrum Sunlight.** Xenon lamps provide the most realistic simulation of full spectrum sunlight including UV, visible and infrared wavelengths.

**Optical Filters.** The xenon light is filtered to achieve various spectra such as direct daylight, or sunlight behind window glass. The Q-Sun's optical filters maintain the required spectrum and never need replacement.



**Irradiance Control.** The Solar Eye™ Irradiance Control System continuously monitors and precisely maintains the set point by automatically adjusting power to the lamps.

**Moisture.** The Q-Sun's water spray cycle is useful for thermal shock and mechanical erosion. Water spray periods are programmable.



Q-Sun models range from an entry level, bench-top model to a full-featured tester with humidity control, water spray, and chiller.



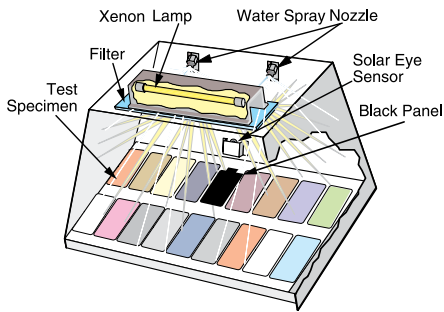
Low cost lamps are very quick and easy to replace.



Easily mount parts, bottles, test tubes and petri dishes with the Q-Sun's unique slide out specimen tray.

- Easy to install, use & maintain
- Several models & features
- Flexible specimen mounting

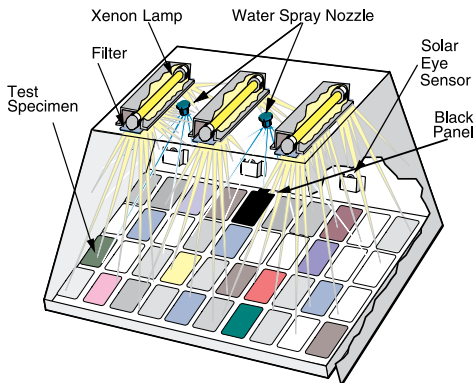
## Q-Sun Xe-1



- **Bench-top size**
- **Economical**
- **Available with chiller, water spray & more**

This is an economical, single lamp, bench-top model with full capabilities. Its small scale is perfect for a lab that has a limited budget or a limited amount of lab space. Installation is simple and you can vent it right into the room. Models are available with water spray and/or chiller for room temperature exposures.

## Q-Sun Xe-3



- **Full-size tester**
- **Easy to operate & maintain**
- **Models with chiller, water spray, dual spray & more**

Our full-featured, full-sized, self-standing tester represents a breakthrough in xenon pricing. It uses three lamps to allow a large specimen capacity. Models are available with relative humidity control, water spray and/or chiller for room temperature exposures.

## Two Sizes All the Features

Choose the economical table-top Q-Sun Xe-1 or the full-sized, full-featured Q-Sun Xe-3.



*Depending upon the model, simultaneous control of black panel temperature and chamber air temperature is possible.*

- **Full Spectrum Light**
- **Solar Eye Irradiance Control**
- **Relative Humidity Control**
- **Chamber Air Temp. Control**
- **Black Panel Temp. Control**
- **3D Specimen Mounting**
- **ISO Calibration for All Systems**

## Calibrate On Your Own



Use the Q-Sun's radiometer to calibrate the Solar Eye Irradiance Control System. The patented AutoCal system automatically transfers the calibration measurements to the controller, eliminating operator error and costly service visits. Regular calibration is recommended for compliance with ISO.



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