

This device reproduces the damage caused by full-spectrum sunlight.

In a few days or weeks, the Q-SUN tester can reproduce the damage occurring over months or years outdoor.

The Q-SUN Xe-1 tester is a tabletop lightfastness, colorfastness, and photostability chamber. It has a single xenon arc lamp.



Device's tray dimensions:
457 mm x 251 mm

We have 2 types of optical filters in order to simulate various conditions:

- The **Daylight-Q filter**: used to simulate direct noon summer sunlight and provides the best correlation to natural outdoor exposures for most applications.
- The **Window Glass-Q filter**: produces spectra equivalent to noon summer sunlight coming through window glass; can also simulate other indoor lighting such as the harsh lighting found in a typical commercial or office environment.

We can control temperature and set it between about **25°C and 100°C** but we cannot control the relative humidity (ambient room).

Applications:

- Textiles
- Adhesives
- Labels
- Packaging
- Papers/Cardboards
- Plastics
- Coatings
- Papers/Cardboards
- Plastics
- Coatings



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