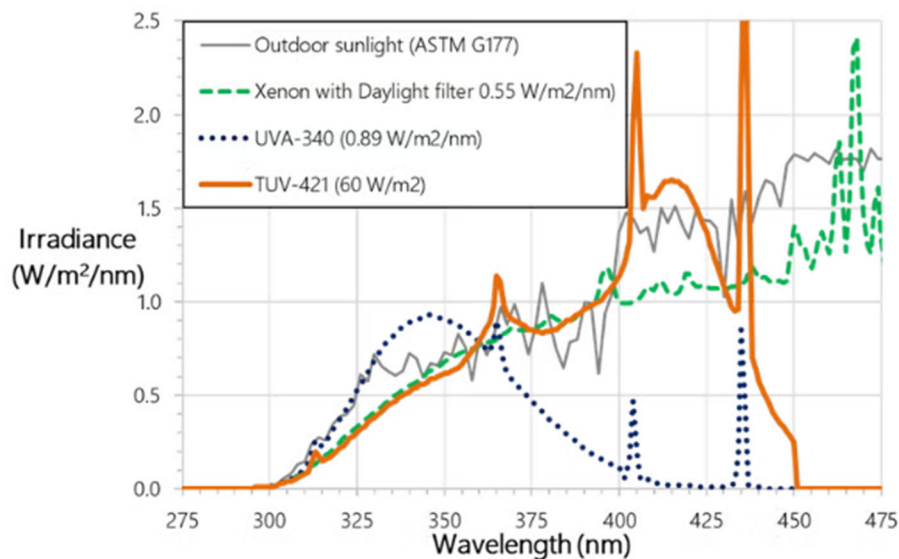


TUV 421 nm Lamps

Date: March 2026

New Lamps for the QUV

These new lamps were introduced in the autumn of 2025, but not with much fanfare. This is surprising since these lamps might just be as revolutionary as the UVA 340 lamps were when first introduced in the late 1980s. Going to the Q-Lab website, you would never even know they existed, since there's no big splash on the landing page. However if you look deep enough you will find this SPD graphic.



Copied from www.Q-Lab.com (Q-Lab Corporation)

The lamps have a combination of the terrific spectrum that the UVA 340 lamps are known for but the spectrum now extends into the visible range up to about 440 nm. These new lamps will work in an existing QUV with Solar Eye controller. That means you don't need to buy a new piece of equipment to get a light source that not only causes UV degradation, and has the most realist condensation, but now will also create color change. You might need a new lamp calibration device, but that's all. I have not heard about the color temperature, but since this lamp has no reported IR radiation, it might be safe to conclude that specimen temperatures will still all be the same.

In my opinion these new lamps are a great new option for researchers. Especially since it can convert a QUV that might not be being used into a new and valuable test apparatus. There are no test standards written for it yet, but the existing ASTM G154 or ISO 4892-3 tests will be good (except for the description of the SPD). I would give this new piece of kit a double thumbs up.