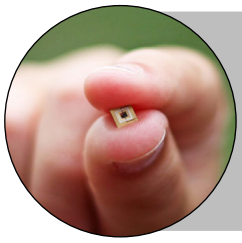
AquiSense Technologies

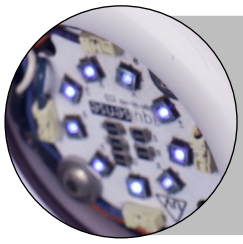
PearlLab Beam™

UV Research Tools

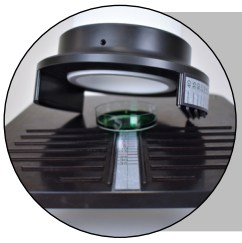
Advanced UV Dose Response Tool



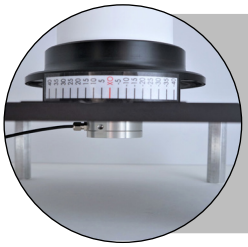
- Small, state of the art UV-C LEDs
- Pathogen reduction
- No harmful chemicals or mercury



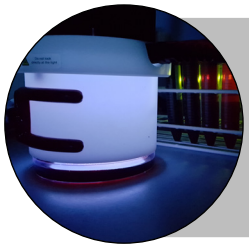
- Featured UVinaire replacable LED module
- Up to 3 selectable wavelengths
- Stabilized UV output
- Advanced cooling design



- Optional XY-Table
- Easy access to Petri dish
- Simple and repeatable Petri-Factor measurement



- Optional UV Intensity sensor & radiometer
- 250-400 nm range
- Provides data and trends



Applications include:

- UV Dose (UV Fluence) response for liquids
- Photopolymerization of materials
- Wavelength effect studies
- Flourescent slides

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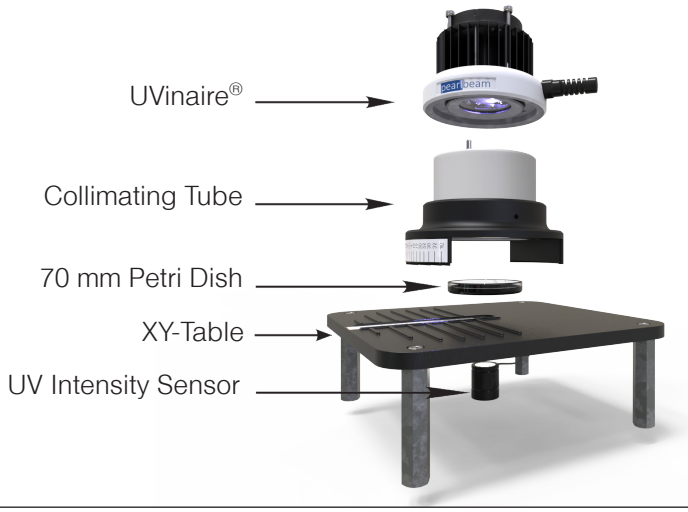
Features	
Ultra Small Footprint	Petri-Factor greater than 0.9
Instantaneous On/Off	Individual or Multiple Wavelengths
Unlimited Cycling	Suitable for Lab or Field Use
Mercury Free	Stand-Alone Thermal Management

Specifications	
Operating Temperature	0-35 °C (32-95 °F)
Lamp Life	Over 1,000 hours
Weight	Approx 1.6 kg (3.5 lbs)
Input Power	110-240 V AC Power Supply

Optional Accessories		
XY-Table	Radiometer	UV Intensity Sensor - high or low range

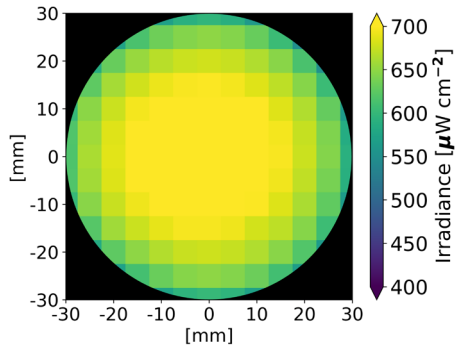


Carrying Case

Model Number**	Wavelength (nm)	Irradiance* (µW/cm²)
S255	255	50
S280	280	700
D255/280	255 & 280	50 & 700
T255/265/280	255, 265, & 280	50, 300, & 700
T265/280/310	265, 280, & 310	300, 700, & 700
T280/310/365	280, 310, & 365	700, 700, & 13,000

*Irradiance is measured at the bottom of the collimating tube.
**Custom PearlLab Beams are available. Please contact us for details.

Intensity Distribution



Typical S280 irradiance at the end of the collimating tube. Data taken with low range UV intensity sensor.

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