

Sirius-300P / 300PU

Photocatalysis Xenon Light Sources

A 300 W xenon illumination platform with adjustable lamp power, constant optical-power operation and a timed shutter. Choose the standard or UV-enhanced source around the reaction and filtering requirements.

Best suited to: Photocatalysis, photochemistry and controlled broadband irradiation of research samples.



Configuration

Specify the useful spectral band, irradiated area and working distance. Add the required filters and measure irradiance at the actual sample plane.

Specifications

Published parameters	
Nominal lamp power	300 W
Published optical output	50 W
Optical instability	<1%
Optical-axis height	70–220 mm
Average divergence	5°
Source dimensions / mass	341 × 244 × 290 mm / 11 kg

Standard and UV-enhanced versions

Model	Spectral range	Output below 390 nm
Sirius-300P	320–2500 nm	2.6 W
Sirius-300PU	200–2500 nm	6.6 W

Measurement features

- Adjustable 180–320 W lamp power.
- Constant optical-power mode and timed shutter.
- Adjustable 50 mm nominal output beam and source height.

Configuration note

This is the photocatalysis lamp family. A certified solar-simulator classification is not claimed for these configurations.

Full configuration: www.precisometer.com/spectroscopy/light-sources/sirius