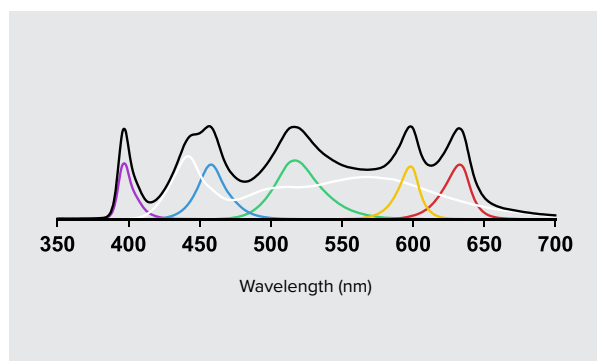


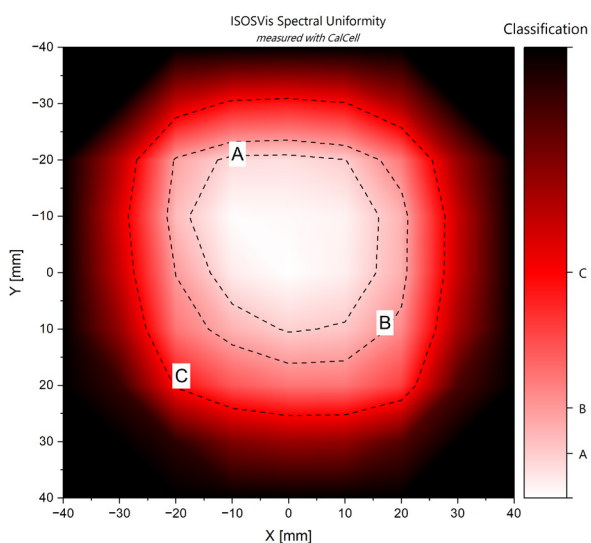
ISOSun Vis: Indoor Light Simulator

The ISOSun Vis is a solar simulator that allows for easy simulation and tuning of light conditions in the range of 390-700 nm. With high spectral uniformity (class A) and high temporal stability (class A), the ISOSun Vis is a great tool for simulating light conditions for both indoor and outdoor applications. Its small size furthermore allows for easy placement in the lab or in the office.



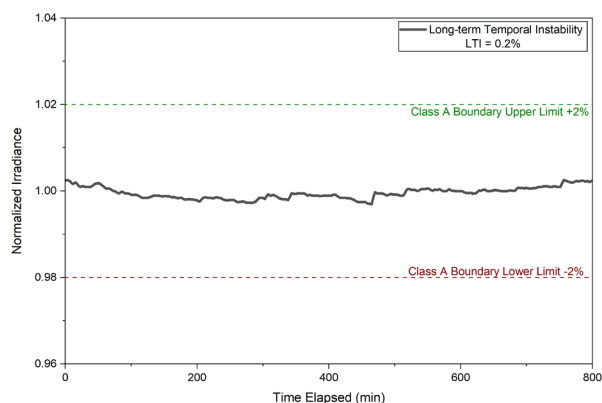
Spectral Irradiance

Easy tuning of 6 individual LED outputs (UV, blue, green, amber, red and white light), allows for easy tuning of simulated indoor light conditions. A simulator program, provided with the lamp, furthermore, gives you the possibility to easily find the settings of the lamp to fit the spectral output to a reference spectrum. Besides relative tuning of the individual colours the lamp allows for varying the overall light intensity as a single entity.



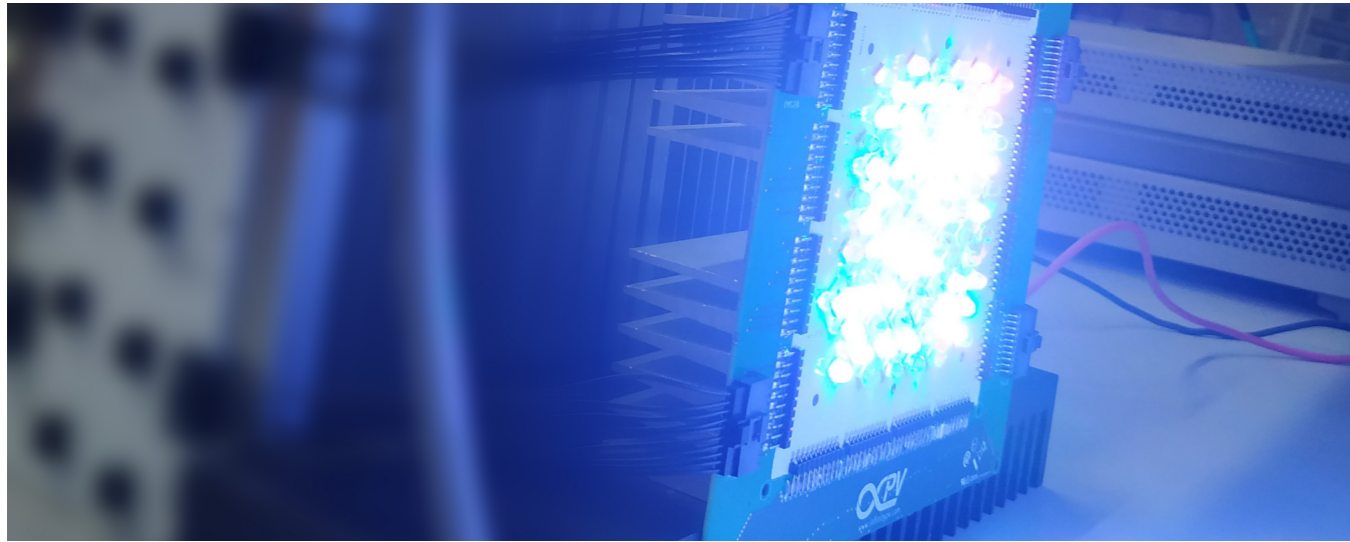
Spatial Uniformity

The measure that is used to describe the evenness of a light source is called the spatial uniformity. Below is shown the spatial uniformity of the ISOSun Vis, showing areas to be rated class A, B and C with respect to uniformity. The high uniformity, especially in the class A area around the centre of the lamp, makes it ideal for testing of small to medium sized solar cells.



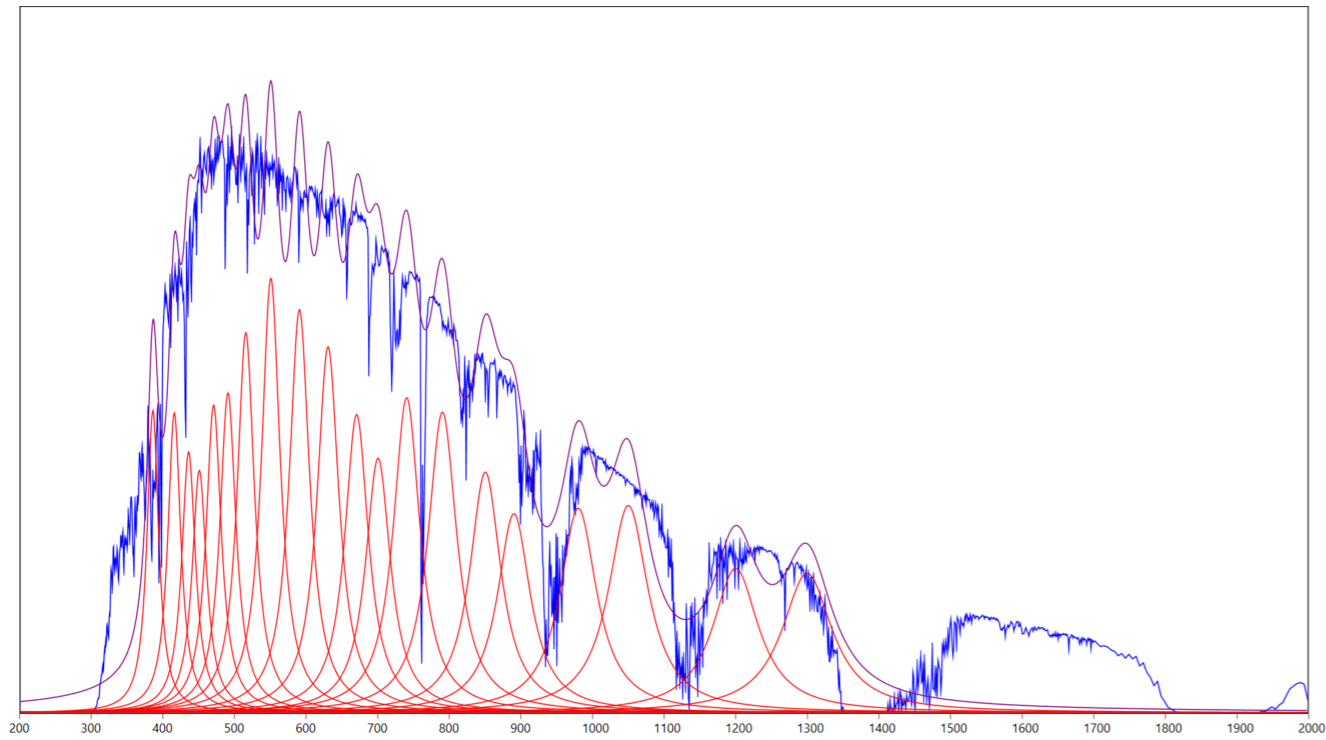
Temporal Instability

The ISOSun Vis shows excellent stability over time being class A in both short-term and long-term temporal instability. The high stability over time allows for consistent measurements of your devices.



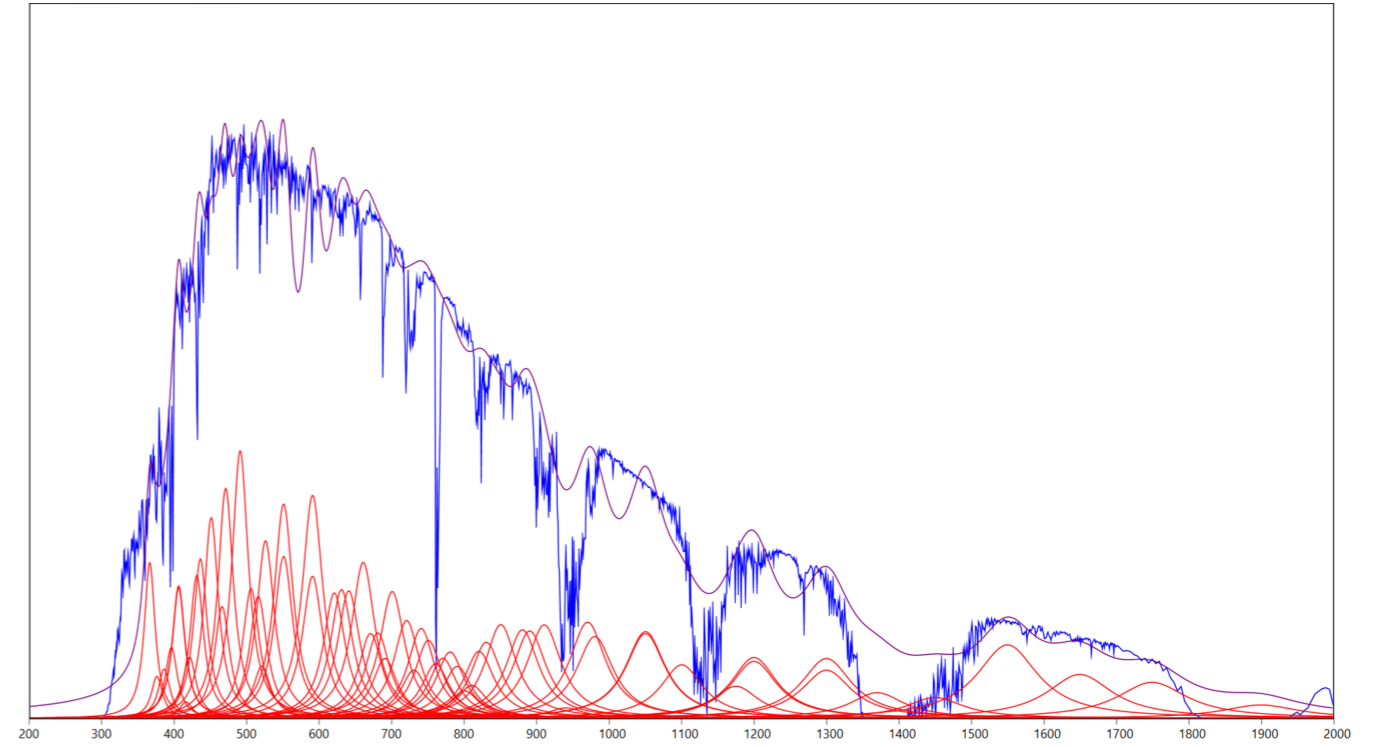
ISOSun Pro

- 385-1300nm peak wavelengths
- 20 LEDs
- 100 x 100 mm²
- 0-3 suns
- Compatible with infinityPV MPPT SMUs
- AAA
- Accessories: Sample Holders and Conditioning (cooling/heating, inert atmosphere, humidity control, cycling)



ISOSun Max

- 365-1900nm peak wavelengths
- 64 LEDs
- 100 x 100 mm²
- 0-3 suns
- 4CH MPPT SMU integrated in system
- A+A+A+
- Accessories: Sample Holders and Conditioning (cooling/heating, inert atmosphere, humidity control, cycling)



ISOSun Vis Technical Specifications

General Specifications

Item	Technical Parameter
Spatial Uniformity (over 30 mm diameter area)*	A
Spatial Uniformity (over 40 mm diameter area)*	B
Spatial Uniformity (over 55 mm diameter area)*	C
Temporal Instability	Short-term: A Long-term: A
Dimensions	37 cm x 22 cm x 22 cm
Weight	5.8 kg
Software	Free light simulation software available

* Measured 21 mm above the base of the lamp.

Illuminance Levels

Item	Technical Parameter
Total	0-131400 lux
UV	0-14490 lux
Blue	0-52900 lux
Green	0-28200 lux
Amber	0-9580 lux
Red	0-13400 lux
White	0-54500 lux
AM1.5G Setting	0-47500 lux