

Optical characterization of light sources

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Foto: JOANNEUM RESEARCH/Schwarzl

In our light laboratory in Pinkafeld, we offer a modern research infrastructure for cooperation with customers:

- Instrument Systems CAS 140D array spectroradiometer for light sources with low and high radiation intensities from 300 nm to 1100 nm
- Optical probes for radiometric or photometric measurements and colorimetric characterization of all types of light sources
- Instrument Systems ISP1000 integrating sphere with 1 m in size for determining photometric, radiometric and colorimetric parameters
- Instrument Systems LGS 650 goniophotometer for test objects up to 1.3 m in length and a measuring distance of up to 12 m for angle-dependent determination of photometric and radiometric parameters with export to Excel, IES and Eulumdat
- Instrument Systems LumiCam 2400 Advanced mobile luminance and colorimetry camera for displays and illuminated surfaces
- Evaluation of displays based on LED, OLED or µLED
- Remote controlled current and voltage sources, power meters and temperature controllers from Arroyo, Keithley, Yokogawa and others
- UPRtek MK350S handheld spectrometer for measuring flicker, blue light hazard, illuminance and human centric lighting related parameters
- Zeiss and AmScope microscopes
- Shining3D EinScan Pro HD 3D-Scanner for high resolution handheld scanning of objects with fine details