



# Powered by Innovation

GL OPTIC is the brand name of JUST Normlicht GmbH Germany the worlds' leading supplier of standardized light solutions for printing and graphic arts industries. For more than 30 years JUST has been developing the innovative solutions which are of the highest quality in standardized viewing conditions. Since 2009 under the brand of GL OPTIC, JUST is developing and distributing a complete product line of precise spectral light measuring devices.

[office@gloptic.com](mailto:office@gloptic.com) | [www.gloptic.com](http://www.gloptic.com)

## GLOPTIC MINI-SPECTROMETER

Precise Light Measuring Technology in a handy size.

We present you with the new GL Optic MINI-SPECTROMETER for various applications.

This high-quality and easy-operating device gives you all you need for reliable light measurement. Check out the unique capabilities of GL Optic MINI-SPECTROMETER.

GL Optic MINI-SPECTROMETER is a practical and reliable measuring device. It is ready to work immediately after connecting to your PC. No extra power supply is required. Thanks to its high sensitivity and accuracy it is a perfect solution in light measurement.

[www.gloptic.com/mini-spectrometer.php](http://www.gloptic.com/mini-spectrometer.php)



## GLOPTIC PROFI-SPECTROMETER

Advanced Spectroradiometer with Optical Stray Light Reduction\* for high precision light assessment.

\* patent pending

The new PROFI-SPECTROMETER is a unique, integrated Spectroradiometer containing high sensitivity back thinned CCD image sensor and revolutionary Optical Stray Light Reduction\* method which brings spectral light measurement to a new higher level than ever seen before.

GL Optic PROFI-SPECTROMETER is the only one on market using revolutionary OSR method / Optical Stray Light Reduction\*/ which ensures high accuracy of test results. In combination with the high sensitivity optical system integrated with back thinned CCD image sensor GL Optic PROFI-SPECTROMETER offers many advantages compared to conventional laboratory measuring devices.

[www.gloptic.com/profi-spectrometer.php](http://www.gloptic.com/profi-spectrometer.php)



## ACCESSORIES

## GLOPTIC INTEGRATING SPHERES 205mm

The ultimate solution for luminous flux and radiant power measurement of LEDs.

The GL Optic INTEGRATING SPHERE GLS 205 has been designed for the measurement of Luminous Flux and Radiant Power of LEDs and other light sources compliant with the recommendation of the CIE Technical Committee published in Technical Report CIE 127:2007.

[www.gloptic.com/GL\\_integrating\\_sphere205mm.php](http://www.gloptic.com/GL_integrating_sphere205mm.php)



## GLOPTIC INTEGRATING SPHERE 48mm

The testing procedure gives information on luminous flux, color coordinates and color temperature.

GL Optic integrating sphere is an accessory for our MINI-SPECTROMETER for luminous flux measurement of LEDs and other small light sources. Thanks to its well known characteristics integrating sphere helps to get the ideal light distribution and proper measurement of light power.

[www.gloptic.com/GL\\_integrating\\_sphere48mm.php](http://www.gloptic.com/GL_integrating_sphere48mm.php)



## GLOPTIC DISPLAY SENSOR

The testing procedure gives information about luminance and color coordinates (x, y, Y) conforming to CIE standards.

This display sensor from GL Optic is an accessory which is designed to be used with our MINI-SPECTROMETER for luminance measurement of flat LCD and OLED panels, and plasma FPDs. It is also a perfect solution for testing projection displays as well as for OLED light source measurement.

[www.gloptic.com/GL\\_display\\_sensor.php](http://www.gloptic.com/GL_display_sensor.php)



## SOFTWARE

## GL SPECTROSOFT

GL SpectroSoft is the helpful tool for laboratory application as well as for field work in production quality control and for general light assessment purposes. The software interface gives the user quick access to useful information and functions. It contains Calculation of tri stimulus values for the specification of light source color according to CIE standards. CCT, Chromaticity Error, Color Peak, Color dominant, CRI (CIE 13.3) and Metamerism Index (CIE 51.2).

[www.gloptic.com/index.php](http://www.gloptic.com/index.php)

