

Solutions for analysing LEDs

As the leading supplier of solutions for optical sensing, we have enabled thousands of applications across a variety of industries and disciplines. For the LED market, we offer solutions from analysis for street lighting to demanding applications such as LED sorting.

Application range

- » Quality control for LED sorting systems
- » Incoming inspection of LEDs
- » Characterisation of luminaires
- » Acceptance test of light designs
- » Analysis of LED displays
- » Determine colour values of LEDs
- » Measure spectral output of LEDs
- » Measure absolute radiometric and photometric values
- » LED colour rendering
- » Advanced colour analysis

Wide range of products

Ocean Optics offers a wide range of products. With a portfolio of nearly 1,200 unique products, we are able to assist you with virtually any optical sensing need. With accessories such as integrating spheres, light sources, optical fibres and software, we can supply the ideal solution of your LED analysing needs.

Product features

- » Fast answers
- » Accurate results
- » Reliable operation
- » Easy to use
- » Full spectral analysis
- » Programmable algorithms
- » Custom configurations
- » Handheld designs
- » Easily integrated into other systems

Some of our products



Full spectral analysis with a simple handheld unit

For analysis of the complete spectrum for process, lab and field applications, we introduce the Jaz optical sensing suite. With its onboard microprocessor and unique features such as battery operation and Ethernet connectivity, Jaz is the ideal unit for full spectral analysis, including colour rendering.

Measure your LED colour coordinates easily and conveniently

The new ColorBUG system from Ocean Optics is an ingenious handheld device for testing colour and illuminance in studio, architectural and theatre applications. Perfect for lighting designers, photographers and technicians, colorBUG is no larger than a typical mobile phone and allows you to determine CIE colour values and illuminance easily and conveniently.



Fast analysis of displays with a new colorimeter

Ocean Optics also offers the Brontes colorimeter. With 5,500 colour measurements per second and 18,000 luminance measurements per second in burst mode, Brontes offers fast measurements, especially well suited for analysing displays.

OEM solutions

Ocean Optics is known for providing specialized solutions for a broad range of OEM applications, including full support, service and quality, all ensured under the OEM developer program. Our OEM engineering and support teams work closely with your product developers to ensure a seamless transition from development to fulfilment.



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