NEW

GL SPECTROLUX

Economical spectral luxmeter addressed to:

LIGHT DESIGNERS and ARCHITECTS

LAMP MANUFACTURERS

PHOTOGRAPHERS and CINEMATOGRAPHERS

GL Optic products are made in Europe, sold and serviced on all continents.

MADE IN EUROPE

Rapidly growing number of replaced old lighting systems with the comprehensive, energy efficient lighting solution based on LED, requires quick and reliable measurements. In European R&D Center,GL Optic developed a new portable device, GL Spectrolux, for immediate testing of new lighting installations. Thanks this new instrument, a user will be able to examine photometric and colorimetric properties of the upgraded lighting system.

GL OPTIC Light measurement solutions

LIGHT DESIGNERS and ARCHITECTS

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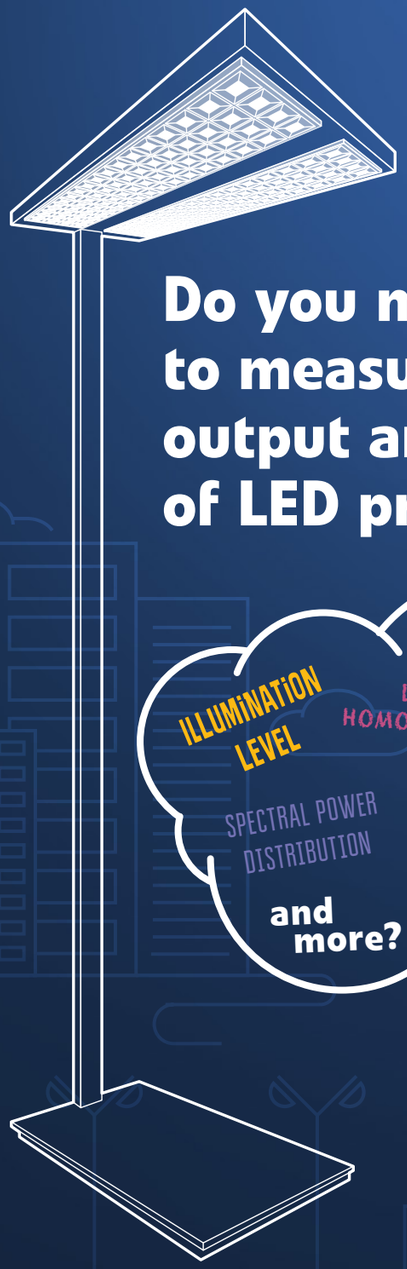


GL SPECTROLUX

QUICKLY GET FOLLOWING RESULTS:

- Illumination level lux [lx] and foot candles [fcd]
- SPD Spectral Power Distribution from 380 -780nm
- CRI Color rendering index according to CIE – and IES TM30
- CCT Correlated Color Temperature [K]
- Color coordinates according to CIE 1931 and CIE 1960

Affordable, performance just got easy to use

The GL Spectrolux handheld spectral lux meter sets new price standards. Based on our popular Spectis 1.0 Touch, it evaluates light quantities such as lux, CRI, CCT, color and more in a compact handheld package. The GL Spectrolux includes a laboratory Class B measurement head for superior accuracy and repeatability. Each device is individually calibrated and traceable to international reference standards.

FEATURES:

- Unmatched accuracy and performance
- Intuitive button operation
- Color LCD screen
- USB connectivity
- Internal storage for > 20,000 measurements

TECHNICAL DATA SHEET

Illuminance	1 – 200,000 lx
Spectral range	340 – 780 nm
Cosine correction	Class B according to DIN 5032 Part 7
Detector	CMOS image sensor
Number of pixels	256
Physical resolution	~ 1.7 nm
Wavelength reproducibility	0.5 nm
Spectroradiometric accuracy	4%
Measurement uncertainty of color coordinates (x,y)	0.0015
Integration time	10 ms – 10 s
A/D conversion	16 bits
Signal to noise ratio	1000:1
Stray light	2*10E-3
Display	2.8'' color LCD 240x320 px
USB	USB 2.0
Power	lithium-ion battery 1400 mAh
Power consumption	~ 350 mA
Power supply	Input: AC 100-240V 50/60 Hz 0.15 A
Ambient temperature	5 – 35°C
Dimensions	72 mm x 155 mm x 27 mm
Weight	280 g (< 1 pound)

for:

FACTORIES & OFFICES

SCHOOLS & HOSPITALS

HOTELS & SHOPS

STREET LAMP MEASUREMENTS

THEATER & CINEMA LIGHTING

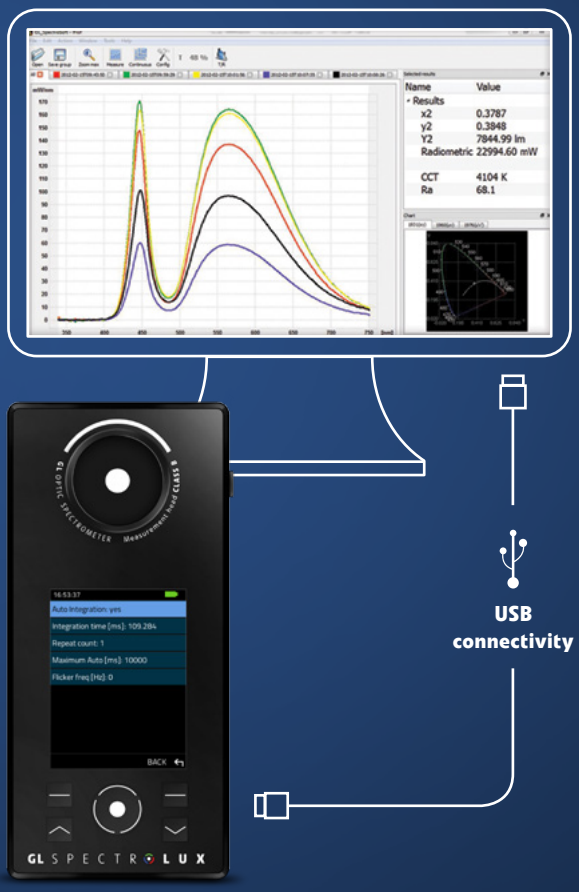
STRUCTURES & LANDSCAPES

Need more advanced evaluation?

GL **SPECTROSOFT**

A complete software suite to analyze, interpret and present your results.

GL SPECTROSOFT is an optional software portfolio that adds power, speed and efficiency to your GL Spectrolux. Whether analyzing field measurements, comparing lighting scenarios, or supporting production quality control, this versatile, modular, upgradable software platform provides quick access to useful information. Advanced features include configurable pass/fail criteria and structure reporting formats to simplify presentation and sharing of results.



GL **SPECTROSOFT**	BASIC	PRO	LAB
Graphical spectra	•	•	•
Results window with calculations • Color coordinates |x y|u v|u' v' • CRI, Ra, R1-R15 • Peak wavelength, • Dominant wavelength, • Lambda 2, • Purity	•	•	•
Export / Import in TXT format	•	•	•
Reports	•	•	•
Report editor RTF		•	•
Chromaticity charts - Color diagrams according to CIE • 1931 (x y) • 1960 (u v) • 1976 (u'v')	•	•	•
Window with selected results		•	•
Comparison window		•	•
Binning Tool		•	•
Measurement according to ISO 3664		•	•
Metamerism indices in VIS range		•	•
Calculate intensity values [cd]		•	•
MacAdam Ellipses		•	•
Transmission or reflection measurements of optical components		•	•
Calculating scotopic / photopic values		•	•
TM-30-15		•	•
Set automatic measurements schedule		Add-ON*	•
RELATIVE measurements comparison		Add-ON*	•
Set of parameters as criteria for PASS/FAIL selection		Add-ON*	•
Change the spectral range of a calculation		Add-ON*	•
Compensating the influence of ambient light		Add-ON*	•
Calculations of PPFD/PAR		Add-ON*	•
GL Spectrosoft Automation		Add-ON*	Add-ON*

*Optional software features available on demand

CONTATTACI:

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GL OPTIC Light measurement solutions