Technical Sheet

GL **OPTICAM 1.0**

Imaging Luminance Meter Device (ILMD) dedicated for light sources of various size as LCD screens or backlighted electronic modules. System is based on high resolution monochromatic CMOS sensor with V(λ) filter. Standard option is equipped with 50 mm focal length lens while others are available on request. Dedicated software contains multiple universal analysis tools as: marking spots of interest, representation of levels in false-color scale, statistical parameters, histograms, linear cross-sections, 3D luminance imaging.

Features:

- Spectral response of class A
- Wide dynamic range
- Powered and controlled via USB connection
- User-friendly analysis software

APPLICATION	
Light sources, displays, luminous and illuminated surfaces	
MEASUREMENTS	
Imaging resolution	1920 x 1200 (Full HD, 2.3 MPix)
A/D conversion	12 bit
Measurement range	0.01 cd/m² … 200 kcd/m² (ND filter for higher range available on request)
Resolution	0.01 cd/m²
Dynamic range	1:20000000
Focus distance	440 mm to infinity
Minimum working area	86 mm x 55 mm (at 440 mm distance)
Uncertainty of spectral response	Class A (f1') < 3 %
Integration time	50 µs ... 30 s
PROPERTIES	
Measuring sensor type	CMOS monochromatic matrix with a spectral response filter
Optical system	50 mm f/2.8 lens (different available on request)
Dimensions [H x W x D]	60 mm x 111 mm x 58 mm
Weight	570 g
PC Connectivity	USB 3.0
Power source	Powered by USB connection
Tripod adapter	BSW ¼"
ORDERING INFORMATION	
Case	✓
USB cable	✓
Part number	201952

Note: Instrument, firmware and software specification are subject to change without prior notice. All information included in GL OPTIC datasheets and product information available in any form are carefully prepared and included information believed to be true. Please note that discrepancies may occur due to text and/or other errors or changes in the available technology. We advise to contact GL Optic before the use of the product to obtain the latest product specification.

GL OPTIC

Light quality control

GL **OPTICAM 1.0**

Tripod socket
BSW 1/4"

Lens

LED control

USB 3.0

58

111

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GL OPTIC

Light quality control