



The integrated meters are available in ranges of LUX (0-20 000 LUX for LEDLUX meter and 0-200 000 for LEDLUX probe)



Your measurement solution for LED lighting

The Goldilux LEDLUX is an illuminance meter specifically calibrated for high accuracy measurement of LED lighting.

Guaranteed performance for white LEDs with colour temperature from 2700k to 6500k.

The instrument is issued with a Certificate of Conformance.

An accredited certificate endorsed by an ISO 17025 lab is available as an option.

All the usual features of quality of the Goldilux light meter also apply to the LEDLUX.

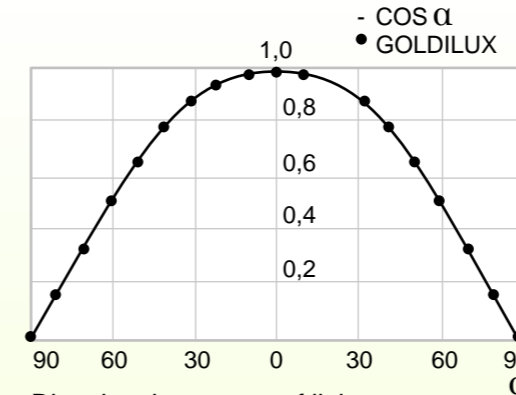
- Stability
- Linearity
- Digital display
- Measuring range & resolution
- 1 Year manufacturers guarantee

Specifications

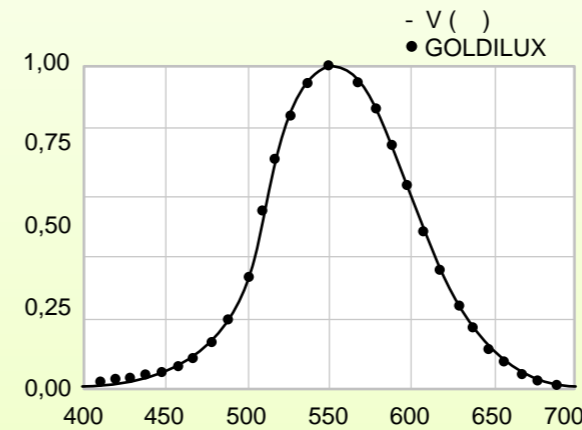
Measuring functions:	Illuminance (LUX)
Measuring range:	0-20 000 LUX (GAL-2L) 0-200 000 LUX (GAL-2H, light probe)
Accuracy:	3% uncertainty and better
Readout:	4 1/2 digit LCD display
Temperature range:	0 to 50 C
Hold function:	Hold button
Power source:	One PP3 9V battery, preferably alkaline.
Battery life:	Approximately 180 hours for alkaline battery
Dimensions:	150 x 80 x 35 mm (basic unit)
Mass:	Display unit: 220 g (with battery) Probe: 85g
Accessories:	Plug-in remote detectors (probes), packing case, instruction manual.
Calibration:	Certificate of Conformance.

Features

- Robust, lightweight, hand-held dedicated unit
- Excellent stability over extended time periods
- Excellent linearity
- Wide measurement range of illuminance
- Digital display
- Hold function on meters and readout units
- Powered by single, replaceable battery
- Standard with calibration certificate, legal backing for measurements
- One year manufacturers guarantee



Directional response of light meter compared with ideal cosine response



Spectral responsivity of the light meter compared with the ideal V (λ) curve

Parameter	Symbol	Value
V (λ) match	f ₁	<3%
UV response	u	<0,1%
IR response	r	<0,1%
Cosine response	f ₂	<1,5%
Linearity error	f ₃	<0,1%
Error of display unit	f ₄	<0,1%
Temperature coefficient (T2=5°C)		<-0,2%/°C
Fatigue	f ₅	<0,1%
Modulated radiation	f ₇	<0,1%
Polarization	f ₈	<0,1%
Range change	f ₁₁	<0,1%
Crest factor	c	<2
Lower frequency limit	f ₁	<40 Hz
Upper frequency limit	f _u	>50 kHz

Quality parameters, as recommended by the International Commission of Illumination (CIE)*

*(CIE) Publication No 69 (1987) "Methods of characterising illuminance and luminance meters."

Accessories Instruction manual, protective cover for detector, carry pouch (optional).

Supplier Information

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