

MAVOLUX 5032 C/B USB

Illuminance meters of the precision class C or B

Features

- Precision meters for measuring the illuminance in Lux and Footcandles meeting Standard Specification DIN 5032-7, Class C or B and EN 13032-1, Appendix B
- The silicon photo diode is colour corrected, i.e. its spectral responsivity is matched to the photopic daylight vision of the human eye $V(\lambda)$.
- Luminance can be measured in cd/m^2 or fL when using the Luminance Attachment (optional accessory)
- Cosine correction for light incident at an angle
- Easy to use
- 3 ½ digits display
- Backlight display illumination (only in MAVOLUX 5032 B USB)
- Data storage of up to 100 measurements
- Auto and manual range selection
- USB Port 1.1
- CD-Rom with software for processing the values measured and controlling the meter
- Compact transport case and USB cable included



The GOSSEN digital precision luxmeters are classified according to DIN 5032-7 in Class C or B and EN 13032-1, Appendix B. Wide range of applications: for lighting engineers and specifiers, for the control of light sources, street lights, lighting of work places, public buildings, sport facilities, for quality control and quality assurance in the manufacture of lamps and light sources, for light designers and architects, for light measurements in agriculture, gardening and forestry.

Both MAVOLUX types are optimally suited for measuring very high light intensities (brightest daylight, head lights) without any additional accessories. Especially the MAVOLUX 5032 B USB having an initial sensitivity of 0.01 lx also allows measuring extremely low light intensities, such as emergency lighting. Most important: Due to its high precision acc. to Class B, the MAVOLUX 5032 B USB has been approved for certification and official inspection procedures.

When attaching the Luminance Attachment to the measuring probe of the MAVOLUX 5032 C or B USB, they can be used also for measuring the luminance; the measuring angle being approx. 20° . Luminance is the reflected light effect of self luminous or reflecting surfaces. The measuring unit is candela per square meter (cd/m^2) or foot Lambert (fL).

Calibration Certificate

When required, to be specifically ordered together with the lightmeter. Please see page 12 of this brochure for more information.

MAVOLUX 5032 C/B USB

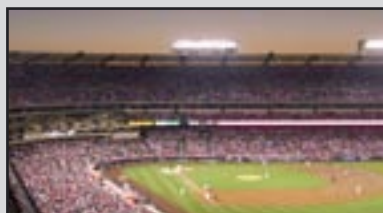
Specifications:

| Model | MAVOLUX 5032 C USB | MAVOLUX 5032 B USB |
|-----------------------|---|---|
| Type | Illuminance meter for measuring light | |
| Accuracy | Class C acc. DIN 5032-7 | Class B acc. DIN 5032-7 |
| LCD Display | 3 1/2 digits | 3 1/2 digits, with backlight display illumination |
| Light sensor | Silicon photo diode with V (λ) filtering | |
| Measuring unit | Lux or footcandle (fc) and with Luminance Attachment cd/m ² or foot Lambert (fL) | |
| Measuring ranges | Automatic and manual measuring range selection | |
| | 0.1 lx to 199 900 lx and 1 cd/m ² to 1 999 000 cd/m ² in 4 ranges (with Luminance Attachment) | 0.01 lx to 199 900 lx and 0.1 cd/m ² to 1 999 000 cd/m ² in 5 ranges (with Luminance Attachment) |
| Data memory | 100 individual measuring values | |
| Measuring rate | 2 measurements per second | |
| USB Port | USB 1.1 | |
| Operating temperature | 0° C to 50° C According EN 61010-1:2001, cl. 1.4.1 | |
| Storage temperature | -20°C to +70° C | |
| Power supply | 1 x 1,5 V, size AA , when meter is connected to PC, power will be supplied via USB cable | |
| Software | gLux Software and additional applications | |
| Connection cable | 1.5 m cable, firmly attached | 1.5 m cable (plugged in) |
| Weight | 200 g without battery | |
| Standard Accessories | Lightmeter in transport case, gLux Software incl. meter driver, USB cable, battery, instruction manual | |
| Optional Accessories | Luminance Attachment (measuring angle 20°) Adapter disk for luminance contact measurement (eliminating light incident from the sides) | |

Applications - Examples:



Measuring the emergency lighting in emergency exits



Sports Arenas



TV Studios

MAVOLUX 5032 C/B *USB*



The MAVOLUX 5032 C/B USB is supplied in a practical and compact transport case.



Optional accessories: Luminance Attachment, Adapter disk for eliminating light incident from the sides, with contact measurement.



Measuring probe with Luminance Attachment mounted and Adapter disk