Luxmeter “TKA-LUX” with verification

Main technical data and characteristics

Illumination measurement range	1.0 ÷ 200,000 lx
Limits of the basic relative error of illumination measurement	± 6.0%
Including the limits of the permissible relative error caused by the nonlinearity of the sensitivity of the device	± 2.0%
Including the limits of the permissible relative measurement error caused by the deviation of the relative spectral sensitivity from the relative spectral luminous efficiency	± 4.0%

Including the limits of the permissible relative error caused by the deviation of the calibration	± 3.0%
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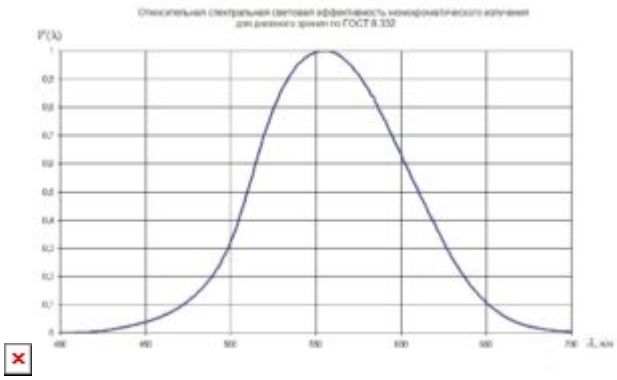
Limits of permissible additional relative error caused by the spatial characteristic of the photometric head of the luxmeter at angles: 5 degrees 15 degrees 30 degrees 60 degrees	± 0.5% ± 1.0% ± 5.0% ± 15.0%
Limits of permissible additional relative error in measuring illumination caused by a change in ambient temperature for every 10 ° C	± 3.0%
Liquid crystal display	3½ digit

Overall dimensions of the device

Measuring unit (no more)	130 x 70 x 30 mm
Photometric head (no more)	Ø36 x 22 mm
Weight of the device with a power source (no more)	0.45 kg
Battery – Krona battery standard size	9 in

The difference in the function of the relative spectral sensitivity of the photodetector was corrected by a system of light filters to match the function of the relative spectral luminous efficiency of monochromatic radiation for daytime vision V (λ) in accordance with GOST 8.332.



The effective reference plane of the Luxmeter coincides with the front plane of the cosine attachment of the photodetector.

Significant advantages of the device Luxmeter “TKA-LUX” over analogues

The best in its characteristics domestic light meter, which is not inferior to world analogues, is reliable and easy to operate. Affordable price.