

Daylight Factor Calculator

Calculate daylight factor from paired indoor and outdoor illuminance readings recorded on the same documented basis.

Generated October 10, 2026

<https://www.elecatrix.com/lighting/daylight-factor-calculator/>

Inputs

Input	Value	Unit
Indoor illuminance	300	lux
Outdoor illuminance	10000	lux

Results

Result	Value	Unit
Daylight factor ratio	0.03	ratio
Daylight factor percent	3	%
Indoor illuminance used	300	lux
Outdoor illuminance used	10000	lux

Calculation details

Detail	Value	Unit
Calculation basis	Daylight factor is the measured indoor illuminance divided by the measured outdoor illuminance under the same stated measurement conditions.	
Screening boundary	Daylight-factor arithmetic only; no sky model, window model, weather normalization, target illuminance, energy-code, or design approval result is made.	

Formulas

daylight factor ratio = indoor illuminance / outdoor illuminance

daylight factor percent = daylight factor ratio x 100

Warnings and limitations

This daylight-factor result depends on paired measurements and their conditions. It does not approve daylight performance, occupancy lighting levels, energy-code compliance, or a lighting design.