

Mounting Height Calculator

Estimate mounting height above the workplane, maximum spacing, row count, and actual row spacing from entered lighting layout values.

Generated October 10, 2026

<https://www.elecatrix.com/lighting/mounting-height-calculator/>

Inputs

Input	Value	Unit
Luminaire mounting height	12	ft
Workplane height	2.5	ft
Spacing-to-mounting-height ratio	1.4	x
Room length	60	ft

Results

Result	Value	Unit
Mounting height above workplane	9.5	ft
Maximum spacing from ratio	13.3	ft
Fixture row count	5	rows
Actual row spacing	12	ft

Calculation details

Detail	Value	Unit
Calculation basis	Mounting height screen uses entered mounting height, workplane height, spacing ratio, and room length.	
Review boundary	Layout worksheet only; no photometric design, illuminance, glare, controls, or code-compliance approval is made.	

Formulas

mounting height above workplane = luminaire mounting height - workplane height

maximum spacing = mounting height above workplane x spacing-to-mounting-height ratio

estimated rows = ceiling(room length / maximum spacing)

actual row spacing = room length / estimated rows

Mounting Height Calculator

Estimate mounting height above the workplane, maximum spacing, row count, and actual row spacing from entered lighting layout values.

Generated October 10, 2026

<https://www.elecatrix.com/lighting/mounting-height-calculator/>

Warnings and limitations

This mounting height screen does not replace photometric design, manufacturer spacing criteria, glare review, illuminance calculations, controls design, or code compliance.