

BASE Buildings Test Space Characteristics: Lighting

	Number of Fixed Incandescent Lamps in Test Space		Number of Fixed Fluorescent Lamps in Test Space		Number of Task Lights in Test Space ^{1,2}		Number of Desk Lamps in Test Space	
	Total in Test Space	Per 100 m ² of Gross Floor Area ^{3,4}	Total in Test Space	Per 100 m ² of Gross Floor Area ^{3,4}	Total in Test Space	Per Work Station	Total in Test Space	Per Work Station
Number of Buildings Reporting	100	87	100	87	99	99	100	100
Mean (Arithmetic)	13	0.7	613	35	28	0.4	9	0.1
Standard Deviation	18	0.9	367	18	32	0.4	9	0.1
Minimum	0	0.0	160	7	0	0.0	0	0.0
10th Percentile	0	0.0	264	17	0	0.0	1	0.0
25th Percentile	0	0.0	377	23	0	0.0	3	0.0
50th Percentile	5	0.3	542	33	14	0.2	6	0.1
75th Percentile	20	1.1	787	43	48	0.7	12	0.2
90th Percentile	34	1.7	977	57	80	0.9	21	0.3
Maximum	91	4.9	2956	94	99	1.8	47	0.5

Notes:
¹ Statistics may be underestimated since the field data collection software only allowed two characters to be entered for this variable (i.e., the maximum entry was "99" without use of a note)
² One building did not respond to the total number of task lights in the test space.
³ Gross floor space not reported for 13 buildings surveyed in 1994 as the building survey software was did not include this variable at that time.
⁴ Conversion: 1 m² equals 10.764 ft².

Variable Descriptions:

Number of Fixed Incandescent Lamps in Test Space describes the total number of fixed incandescent lamps located within the bounds of the test space. Incandescent lamps are lamps in which an electrically heated filament emits light. These lamps are permanently fixed to walls or ceilings in the test space.

Number of Fixed Incandescent Lamps per 100 m² of Gross Floor Area was calculated by dividing the total number of fixed incandescent lamps in the test space by the test space gross floor area.

Number of Fixed Fluorescent Lamps in Test Space describes the total number of fixed fluorescent lamps located within the bounds of the test space. Fluorescent lamps are tubular electric lamps in which light is produced by the action of ultraviolet light on a fluorescent material that coats the inner surface of the lamp. The lamps are permanently fixed to walls or ceilings in the test space.

Number of Fixed Fluorescent Lamps per 100 m² of Gross Floor Area was calculated by dividing the total number of fixed fluorescent lamps in the test space by the test space gross floor area.

Number of Task Lights in Test Space describes the total number of task lights located within the bounds of the test space. Task lights are lights built into system furniture.

Number of Task Lights per Work Station was calculated by dividing the number of task lights in the test space by the number of work stations in test space (sum of the private office, open office, and partition office work stations identified in the test space).

Number of Desk Lamps in Test Space describes the total number of desk lamps located within the bounds of the test space. Desk lamps include all lights found on work stations that are detachable from the furniture.

Number of Desk Lamps per Work Station was calculated by dividing the number of desk lamps in the test space by the number of work stations in test space (sum of the private office, open office, and partition office work stations identified in the test space).