

Table B38. Lighting Equipment, Number of Buildings, 1999

	Number of Buildings (thousand)						
	All Buildings	All Lit Buildings	Lighting Equipment (more than one may apply)				
			Incandescent	Standard Fluorescent	Compact Fluorescent	High-Intensity Discharge	Halogen
All Buildings	4,657	4,172	2,193	3,778	607	430	572
Building Floorspace (Square Feet)							
1,001 to 5,000	2,348	2,024	980	1,795	198	80	194
5,001 to 10,000	1,110	1,003	548	904	149	94	136
10,001 to 25,000	708	663	391	628	109	111	123
25,001 to 50,000	257	249	138	230	62	60	43
50,001 to 100,000	145	143	83	136	48	43	41
100,001 to 200,000	59	59	33	56	24	25	23
200,001 to 500,000	23	23	14	22	12	11	9
Over 500,000	7	7	5	7	4	5	4
Principal Building Activity							
Education	327	327	120	309	56	49	34
Food Sales	174	173	53	172	Q	Q	Q
Food Service	349	349	277	308	78	Q	84
Health Care	127	127	83	126	20	8	34
Inpatient	11	11	9	11	8	3	3
Outpatient	116	116	74	115	13	Q	31
Lodging	153	149	130	121	55	18	25
Mercantile	667	666	346	614	86	40	97
Retail (Other Than Mall)	534	532	269	483	69	27	75
Enclosed and Strip Malls	133	133	77	131	17	Q	22
Office	739	738	362	696	131	39	81
Public Assembly	305	280	164	234	56	41	40
Public Order and Safety	72	59	31	57	6	6	Q
Religious Worship	307	307	237	244	30	28	53
Service	478	465	163	436	37	82	54
Warehouse and Storage	603	411	172	340	30	92	45
Other	102	86	32	84	Q	5	Q
Vacant	253	35	Q	34	Q	Q	Q
Year Constructed							
1919 or Before	419	342	221	307	44	41	55
1920 to 1945	499	436	283	376	58	31	33
1946 to 1959	763	676	334	622	56	54	79
1960 to 1969	665	594	307	525	122	48	86
1970 to 1979	774	731	391	674	81	69	112
1980 to 1989	846	771	415	721	123	94	131
1990 to 1999	690	622	242	552	121	93	77
Census Region							
Northeast	686	608	273	565	111	63	92
Midwest	1,188	1,033	587	904	166	114	155
South	1,762	1,599	847	1,455	187	159	189
West	1,021	931	486	853	142	94	136
Workers (main shift)							
Fewer than 5	2,376	1,922	986	1,681	159	153	176
5 to 9	807	793	391	737	105	57	105
10 to 19	683	667	373	627	112	61	84
20 to 49	487	487	258	442	133	76	120
50 to 99	174	174	102	165	43	45	40
100 to 249	90	90	56	88	32	22	31
250 or More	39	39	26	39	23	14	17

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Weekly Operating Hours							
39 or Fewer	978	579	341	465	37	20	51
40 to 48	1,156	1,147	532	1,052	166	116	105
49 to 60	986	978	499	895	135	110	138
61 to 84	664	628	322	604	95	71	125
85 to 167	474	458	256	434	79	65	96
Open Continuously	398	381	243	327	94	48	58
Space in Building Vacant for at Least Three Consecutive Months							
Completely Vacant	140	Q	Q	Q	Q	N	Q
Mostly Vacant	113	32	Q	31	Q	Q	Q
Partially Vacant	697	563	316	524	99	69	103
Not At All Vacant	3,707	3,573	1,855	3,219	506	360	469
Multibuilding Facility Activity							
Not Part of a Multibuilding							
Facility	3,295	3,000	1,598	2,710	408	287	412
College or University	70	70	43	68	18	11	10
Primary or Secondary School	224	218	70	206	27	24	10
Office Complex	134	121	38	119	18	Q	13
Retail Complex	181	167	98	162	27	17	40
Religious Campus or Complex	186	176	112	159	15	Q	30
Health Care Complex	72	65	33	64	12	4	Q
Government Complex	61	43	17	37	5	Q	Q
Other	434	313	184	252	76	49	50
Energy Sources (more than one may apply)							
Electricity	4,395	4,172	2,193	3,778	607	430	572
Natural Gas	2,670	2,610	1,463	2,349	390	287	406
Fuel Oil	434	415	202	383	74	57	64
District Heat	117	117	68	108	32	20	19
District Chilled Water	50	50	25	49	17	11	5
Propane	451	435	225	378	68	45	68
Other	153	152	104	143	Q	16	33
Energy End Uses (more than one may apply)							
Buildings with Space Heating	4,016	3,908	2,090	3,544	591	405	547
Buildings with Cooling	3,560	3,512	1,853	3,215	556	364	491
Buildings with Water Heating	3,239	3,197	1,794	2,925	516	339	487
Buildings with Cooking	857	857	550	787	179	96	207
Buildings with Manufacturing	151	145	74	141	32	22	30
Buildings with Electricity Generation	172	171	93	162	58	42	46
Percent Lit When Open							
Zero	34	Q	N	N	N	Q	N
1 to 50	835	835	476	708	112	94	110
51 to 99	1,228	1,228	780	1,117	223	120	226
100	2,096	2,096	928	1,941	271	215	236
Building Never Open/ Electricity Not Used	464	Q	Q	Q	Q	N	Q
Percent Lit When Closed							
Zero	2,174	1,959	960	1,738	220	173	187
1 to 50	1,688	1,688	938	1,589	253	187	296
51 to 100	143	143	51	123	39	22	31
Building Never Closed/ Electricity Not Used	652	381	243	327	94	48	58

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Lighting Equipment Types (more than one may apply)							
Incandescent.....	2,193	2,193	2,193	1,904	366	233	421
Standard Fluorescent.....	3,778	3,778	1,904	3,778	490	398	520
Compact Fluorescent.....	607	607	366	490	607	141	171
High-Intensity Discharge.....	430	430	233	398	141	430	133
Halogen.....	572	572	421	520	171	133	572
Other.....	58	58	34	37	4	2	Q
Lighting Conservation Features (more than one may apply)							
Specular Reflectors	843	843	430	843	177	121	153
Electronic Ballasts	2,167	2,167	1,052	2,151	340	273	313
Skylights or Atriums	580	531	311	484	107	94	117
Off-Hour Equipment Reduction (more than one may apply)							
Heating	2,862	2,791	1,455	2,586	408	283	374
Cooling	2,622	2,589	1,367	2,392	391	263	369
Lighting	3,675	3,675	1,899	3,349	493	362	486
Office Equipment	184	184	91	177	54	37	36

Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.

N=No responding cases in sample.

Note: Due to rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1999 Commercial Buildings Energy Consumption Survey.