

Table B43. Lighting Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
	All Buildings*	Lit Buildings	Lighting Equipment Types (more than one may apply)				
			Incand- escent	Standard Fluor- escent	Compact Fluor- escent	High- Intensity Discharge	Halogen
All Buildings*	4,645	4,248	2,184	3,943	941	455	565
Building Floorspace (Square Feet)							
1,001 to 5,000	2,552	2,261	1,070	2,068	382	101	205
5,001 to 10,000	889	821	416	772	148	88	107
10,001 to 25,000	738	716	412	665	189	105	123
25,001 to 50,000	241	231	145	223	102	60	55
50,001 to 100,000	129	126	75	123	60	51	37
100,001 to 200,000	65	63	43	62	38	32	25
200,001 to 500,000	25	24	17	24	16	13	10
Over 500,000	7	6	5	6	5	4	4
Principal Building Activity							
Education	386	384	132	368	97	59	39
Food Sales	226	221	78	217	35	Q	Q
Food Service	297	296	203	282	105	20	65
Health Care	129	129	82	129	43	10	19
Inpatient	8	8	7	8	7	4	4
Outpatient	121	121	75	121	37	6	15
Lodging	142	142	117	121	68	17	33
Retail (Other Than Mall).....	443	442	191	427	67	35	60
Office	824	824	426	791	212	63	96
Public Assembly	277	264	170	243	59	39	37
Public Order and Safety	71	68	47	66	22	Q	Q
Religious Worship	370	370	289	327	87	17	58
Service	622	582	231	536	69	86	51
Warehouse and Storage	597	414	156	342	55	74	59
Other	79	73	38	65	17	10	11
Vacant	182	38	23	28	Q	Q	Q
Year Constructed							
Before 1920	330	303	229	272	75	17	55
1920 to 1945	527	476	276	447	113	34	48
1946 to 1959	562	517	294	491	110	55	62
1960 to 1969	579	553	295	517	111	45	51
1970 to 1979	731	688	362	651	151	81	83
1980 to 1989	707	652	294	598	136	65	76
1990 to 1999	876	781	327	726	177	116	128
2000 to 2003	334	278	109	242	69	42	63
Census Region and Division							
Northeast	726	690	375	646	172	70	90
New England	233	223	135	200	71	18	32
Middle Atlantic	493	467	240	446	101	52	58
Midwest	1,266	1,137	722	1,054	257	161	154
East North Central	696	641	380	603	150	103	98
West North Central	571	495	342	451	106	58	56
South	1,775	1,584	707	1,447	275	147	209
South Atlantic	874	811	330	740	136	82	119
East South Central	348	287	144	273	53	20	22
West South Central	553	485	232	435	86	44	69
West	878	838	381	796	238	77	113
Mountain	299	280	165	275	68	23	29
Pacific	580	558	216	522	170	54	83

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			Incand- escent	Standard Fluor- escent	Compact Fluor- escent	High- Intensity Discharge	Halogen
All Buildings*	4,645	4,248	2,184	3,943	941	455	565
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
More than 7,000 HDD	855	765	491	710	215	115	118
5,500-7,000 HDD	1,173	1,096	621	1,023	232	124	133
4,000-5,499 HDD	673	630	381	591	152	75	88
Fewer than 4,000 HDD	1,276	1,155	431	1,074	239	88	141
2,000 CDD or More and --							
Fewer than 4,000 HDD	669	601	259	546	103	53	85
Number of Floors							
One	3,136	2,793	1,191	2,583	456	260	278
Two	1,031	991	628	916	295	116	186
Three	339	326	254	310	108	41	53
Four to Nine	128	127	102	122	71	32	42
Ten or More	12	12	10	11	10	6	7
Number of Workers (main shift)							
Fewer than 5	2,653	2,261	1,114	2,028	322	140	196
5 to 9	778	774	395	734	182	77	104
10 to 19	563	562	266	546	149	63	90
20 to 49	398	397	245	387	156	90	100
50 to 99	147	147	87	144	65	41	36
100 to 249	77	77	55	75	44	28	25
250 or More	30	30	22	29	22	15	15
Weekly Operating Hours							
Fewer than 40	1,002	756	409	673	103	48	66
40 to 48	1,117	1,095	509	1,032	217	91	106
49 to 60	1,062	1,047	500	990	236	116	155
61 to 84	591	580	314	557	141	92	103
85 to 167	400	370	192	353	106	58	63
Open Continuously	475	399	261	338	137	50	73
Vacancy Status							
Completely Vacant	157	24	Q	18	Q	Q	Q
Mostly Vacant	25	Q	Q	Q	Q	Q	Q
Partially Vacant	548	479	259	431	124	54	67
Not At All Vacant	3,915	3,731	1,903	3,484	813	394	492
Multibuilding Facility							
Not Part of a Multibuilding							
Facility	3,169	2,963	1,566	2,805	648	297	405
College or University	83	83	40	78	45	12	10
Primary or Secondary School	254	251	64	234	47	33	14
Office Complex	111	109	66	103	27	13	14
Retail Complex	151	131	52	116	Q	16	28
Religious Campus or Complex	195	192	126	167	51	11	33
Health Care Complex	39	39	28	39	15	6	7
Lodging or Resort Complex	61	58	45	48	21	Q	7
Government Complex	87	78	42	72	24	8	Q
Other	496	346	155	282	53	57	43

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			Incand- escent	Standard Fluor- escent	Compact Fluor- escent	High- Intensity Discharge	Halogen
All Buildings*	4,645	4,248	2,184	3,943	941	455	565
Renovations in Buildings Constructed Before 1980 (more than one may apply)							
Any Type of Renovation							
Since 1980	1,018	988	616	928	260	116	163
Addition or Annex	256	255	170	245	67	45	65
Reduction In Floorspace	22	22	16	22	9	9	8
Cosmetic Improvements	741	723	476	675	206	80	125
Wall or Roof Replacement	370	357	239	327	121	56	62
Interior Wall							
Re-Configuration	411	400	273	375	135	57	89
HVAC Equipment Upgrade	442	432	299	414	156	85	101
Lighting Upgrade	455	444	303	414	157	73	89
Window Replacement	310	297	196	282	113	55	57
Plumbing System Upgrade	315	309	200	291	113	54	62
Insulation Upgrade	227	218	143	201	74	33	33
Other Renovation	19	19	13	18	10	Q	Q
No Renovations Since 1980	1,710	1,549	839	1,449	300	117	136
Building Newer than 1980	1,917	1,711	729	1,566	381	222	267
Energy Sources (more than one may apply)							
Electricity	4,404	4,248	2,184	3,943	941	455	565
Natural Gas	2,391	2,353	1,332	2,244	640	334	369
Fuel Oil	451	442	272	422	113	66	80
District Heat	67	66	41	61	37	18	12
District Chilled Water	33	33	17	29	17	10	4
Propane	502	492	291	460	107	57	67
Other	132	120	52	118	36	19	14
Energy End Uses (more than one may apply)							
Buildings with Space Heating	3,982	3,896	2,055	3,671	900	431	525
Buildings with Cooling	3,625	3,584	1,875	3,408	864	400	504
Buildings with Water Heating	3,472	3,423	1,886	3,242	864	415	505
Buildings with Cooking	801	799	534	769	294	116	166
Buildings with Manufacturing	119	118	58	112	32	32	21
Buildings with Electricity Generation	149	149	103	147	81	46	51
Percent Lit When Open							
Zero	47	Q	Q	Q	Q	Q	Q
1 to 50	929	929	506	814	202	61	99
51 to 99	1,108	1,108	673	1,053	290	147	174
100	2,176	2,176	990	2,048	445	238	286
Building Never Open/ Electricity Not Used	386	34	Q	28	Q	Q	Q
Percent Lit When Closed							
Zero	1,964	1,831	871	1,677	294	137	209
1 to 50	1,882	1,882	1,000	1,800	474	246	259
51 to 100	136	136	53	129	36	22	25
Building Never Closed/ Electricity Not Used	664	399	261	338	137	50	73

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			Incand- escent	Standard Fluor- escent	Compact Fluor- escent	High- Intensity Discharge	Halogen
All Buildings*	4,645	4,248	2,184	3,943	941	455	565
Lighting Equipment Types (more than one may apply)							
Incandescent	2,184	2,184	2,184	1,984	592	258	373
Standard Fluorescent	3,943	3,943	1,984	3,943	882	416	493
Compact Fluorescent	941	941	592	882	941	185	248
High Intensity Discharge	455	455	258	416	185	455	147
Halogen	565	565	373	493	248	147	565
Other	8	8	Q	Q	Q	Q	Q
Window and Interior Lighting Features (more than one may apply)							
Multipaned Windows	2,201	2,138	1,179	2,049	588	291	365
Tinted Window Glass	1,323	1,301	663	1,246	353	182	212
Reflective Window Glass	308	300	164	288	105	55	52
External Overhangs or Awnings	1,233	1,198	640	1,167	319	156	188
Skylights or Atriums	331	323	199	305	122	81	95
Daylighting Sensors	74	74	43	74	30	16	19
Specular Reflectors	928	928	526	928	306	181	173
Electronic Ballasts	2,577	2,577	1,318	2,555	685	344	376
Energy Management and Control System (EMCS) For Lighting	60	60	24	57	27	14	12
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a							
Heating	2,878	2,825	1,515	2,661	686	310	384
Cooling	2,761	2,731	1,432	2,591	668	311	393
Lighting	3,685	3,685	1,858	3,459	769	380	470
Office Equipment	1,504	1,500	709	1,443	346	154	194

See "Guide to the Tables" or "Glossary" for further explanations of the terms used in this table. Both can be accessed from the CBECS web site - <http://www.eia.doe.gov/emeu/cbeecs>.

* Figures in this table do not include enclosed malls and strip malls. Mall buildings add an estimated 213 thousand buildings comprising 6.9 billion square feet.

^a The definition for one or more of these row items has changed and may not be directly comparable with past CBECS estimates. See "Guide to the Tables" for discussion of the differences.

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.

Notes: • HVAC = Heating, Ventilation, and Air Conditioning. • 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 2003 Commercial Buildings Energy Consumption Survey.