

Table B39. Lighting Equipment, Floorspace, 1999

	Total Floorspace (million square feet)						
	All Buildings	All Lit Buildings	Lighting Equipment (more than one may apply)				
			Incandescent	Standard Fluorescent	Compact Fluorescent	High-Intensity Discharge	Halogen
All Buildings	67,338	64,321	38,156	60,344	20,666	19,223	17,926
Building Floorspace (Square Feet)							
1,001 to 5,000	6,774	5,859	2,946	5,154	738	245	600
5,001 to 10,000	8,238	7,464	4,047	6,722	1,108	663	991
10,001 to 25,000	11,153	10,393	6,055	9,815	1,759	1,701	1,996
25,001 to 50,000	9,311	9,053	5,004	8,344	2,296	2,224	1,611
50,001 to 100,000	10,112	9,997	5,880	9,525	3,425	3,101	2,929
100,001 to 200,000	8,271	8,197	4,685	7,817	3,429	3,633	3,241
200,001 to 500,000	6,851	6,731	4,396	6,423	3,575	3,259	2,677
Over 500,000	6,628	6,628	5,143	6,544	4,336	4,397	3,882
Principal Building Activity							
Education	8,651	8,651	5,027	8,325	2,746	3,761	2,302
Food Sales	994	992	525	985	Q	Q	Q
Food Service	1,851	1,851	1,450	1,623	575	Q	558
Health Care	2,918	2,918	2,246	2,881	1,712	943	1,350
Inpatient	1,865	1,865	1,554	1,859	1,389	782	1,009
Outpatient	1,053	1,053	692	1,022	323	Q	341
Lodging	4,521	4,476	3,713	4,109	2,587	933	1,686
Mercantile	10,398	10,383	5,586	9,824	2,793	2,494	3,058
Retail (Other Than Mall)	4,766	4,754	2,240	4,286	724	767	790
Enclosed and Strip Malls	5,631	5,628	3,346	5,539	2,068	1,727	2,268
Office	12,044	12,037	7,598	11,608	5,844	2,946	4,034
Public Assembly	4,393	4,295	2,777	3,913	1,467	1,594	980
Public Order and Safety	1,168	1,006	513	984	304	319	Q
Religious Worship	3,405	3,405	2,775	3,048	633	490	965
Service	3,388	3,336	1,276	3,218	299	1,163	384
Warehouse and Storage	10,477	9,289	3,803	8,200	1,192	3,870	1,830
Other	1,222	1,176	644	1,142	300	382	Q
Vacant	1,908	506	Q	483	Q	Q	Q
Year Constructed							
1919 or Before	4,034	3,569	2,533	3,246	1,040	682	871
1920 to 1945	6,445	5,877	3,909	5,417	1,423	1,530	921
1946 to 1959	9,127	8,544	4,951	8,031	2,019	1,981	1,861
1960 to 1969	10,866	10,541	6,268	9,939	3,445	2,986	2,916
1970 to 1979	11,840	11,638	7,089	11,099	3,824	3,413	3,511
1980 to 1989	13,931	13,284	8,028	12,619	4,755	4,166	4,272
1990 to 1999	11,094	10,869	5,377	9,993	4,160	4,464	3,574
Census Region							
Northeast	12,360	11,804	7,047	11,348	3,939	4,382	3,625
Midwest	16,761	15,996	9,903	14,840	5,518	5,513	4,405
South	23,485	22,365	12,970	20,850	6,427	5,874	5,847
West	14,731	14,156	8,236	13,305	4,781	3,454	4,049
Workers (main shift)							
Fewer than 5	14,321	11,461	6,532	9,890	1,388	1,348	1,448
5 to 9	6,325	6,251	3,289	5,796	1,118	990	880
10 to 19	8,028	7,945	4,437	7,439	1,682	1,233	1,482
20 to 49	10,814	10,814	5,841	10,106	3,032	2,984	2,585
50 to 99	8,898	8,898	5,330	8,474	2,781	3,306	2,539
100 to 249	8,356	8,356	5,082	8,164	3,573	3,551	3,003
250 or More	10,595	10,595	7,644	10,475	7,093	5,812	5,989

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	All Buildings	All Lit Buildings	Lighting Equipment (more than one may apply)				
			Incandescent	Standard Fluorescent	Compact Fluorescent	High-Intensity Discharge	Halogen
Weekly Operating Hours							
39 or Fewer	6,596	4,087	2,569	3,355	401	421	596
40 to 48	13,105	13,061	6,904	12,064	2,607	2,867	1,955
49 to 60	14,200	14,170	8,181	13,256	4,298	3,691	3,615
61 to 84	12,458	12,316	7,649	11,978	4,613	4,273	4,576
85 to 167	9,116	8,905	4,873	8,525	2,769	3,653	2,616
Open Continuously	11,863	11,784	7,980	11,166	5,978	4,319	4,568
Space in Building Vacant for at Least Three Consecutive Months							
Completely Vacant	953	Q	Q	Q	Q	N	Q
Mostly Vacant	956	409	Q	386	Q	Q	Q
Partially Vacant	15,520	14,697	9,454	14,140	6,349	4,888	5,590
Not At All Vacant	49,910	49,118	28,480	45,721	14,208	14,322	12,290
Multibuilding Facility Activity							
Not Part of a Multibuilding							
Facility	41,289	39,447	23,311	36,819	12,015	11,225	10,585
College or University	2,605	2,597	1,427	2,498	1,046	716	560
Primary or Secondary School	3,388	3,338	1,945	3,169	927	1,318	840
Office Complex	3,353	3,273	1,978	3,213	1,583	899	1,200
Retail Complex	3,555	3,487	2,068	3,381	1,083	994	1,383
Religious Campus or Complex	1,907	1,887	1,310	1,800	393	Q	557
Health Care Complex	2,339	2,309	1,635	2,273	1,311	823	919
Government Complex	1,513	1,341	683	1,319	507	484	Q
Other	7,389	6,643	3,798	5,872	1,801	2,501	1,655
Energy Sources (more than one may apply)							
Electricity	65,716	64,321	38,156	60,344	20,666	19,223	17,926
Natural Gas	45,525	45,043	27,997	42,436	15,294	14,854	14,031
Fuel Oil	13,285	13,192	9,076	12,874	6,857	6,227	5,840
District Heat	5,891	5,891	3,779	5,649	3,111	2,158	1,866
District Chilled Water	2,750	2,750	1,578	2,703	1,541	900	864
Propane	6,290	6,255	3,341	5,852	1,593	2,062	1,629
Other	2,322	2,318	1,638	2,212	860	1,001	916
Energy End Uses (more than one may apply)							
Buildings with Space Heating	61,602	61,017	36,640	57,516	20,127	18,821	17,373
Buildings with Cooling	58,474	58,077	34,584	55,007	19,829	18,076	17,093
Buildings with Water Heating	56,115	55,746	34,373	52,823	19,339	17,681	16,757
Buildings with Cooking	24,681	24,681	17,469	23,810	11,262	9,908	10,335
Buildings with Manufacturing	3,126	3,069	1,509	2,926	800	1,207	911
Buildings with Electricity Generation	11,882	11,877	8,413	11,585	7,132	6,086	6,201
Percent Lit When Open							
Zero	173	Q	N	N	N	Q	N
1 to 50	9,187	9,187	5,551	8,127	1,878	1,442	1,784
51 to 99	20,665	20,665	14,573	19,430	8,141	6,629	6,977
100	34,233	34,233	17,940	32,575	10,615	11,148	9,135
Building Never Open/ Electricity Not Used							
	3,080	232	Q	213	Q	N	Q
Percent Lit When Closed							
Zero	20,771	19,428	9,760	17,697	3,314	4,052	2,966
1 to 50	30,950	30,950	19,364	29,535	10,581	10,208	9,732
51 to 100	2,160	2,160	1,052	1,946	794	645	660
Building Never Closed/ Electricity Not Used							
	13,457	11,784	7,980	11,166	5,978	4,319	4,568

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	Total Floorspace (million square feet)						
	All Buildings	All Lit Buildings	Lighting Equipment (more than one may apply)				
			Incandescent	Standard Fluorescent	Compact Fluorescent	High-Intensity Discharge	Halogen
Lighting Equipment Types (more than one may apply)							
Incandescent.....	38,156	38,156	38,156	35,707	15,682	12,726	14,037
Standard Fluorescent.....	60,344	60,344	35,707	60,344	19,242	18,465	17,171
Compact Fluorescent.....	20,666	20,666	15,682	19,242	20,666	9,386	10,517
High-Intensity Discharge.....	19,223	19,223	12,726	18,465	9,386	19,223	8,832
Halogen.....	17,926	17,926	14,037	17,171	10,517	8,832	17,926
Other.....	1,004	1,004	697	862	525	461	553
Lighting Conservation Features (more than one may apply)							
Specular Reflectors	19,994	19,994	12,721	19,994	8,935	8,144	7,855
Electronic Ballasts	42,035	42,035	24,967	41,473	16,117	15,009	13,717
Skylights or Atriums	18,286	17,885	11,615	16,957	7,793	8,306	7,398
Off-Hour Equipment Reduction (more than one may apply)							
Heating	39,969	39,632	23,293	37,533	11,971	11,677	10,516
Cooling	39,161	38,842	22,573	36,804	11,882	11,390	10,549
Lighting	51,083	51,083	29,489	47,891	14,346	14,631	13,044
Office Equipment	9,063	9,052	5,132	8,742	3,264	3,668	2,760

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.