

Table HC5.3 Lighting in U.S. homes, by year of construction, 2024

	Number of housing units (million)									
	Year of construction									
	Total U.S. ^a	Before 1950	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2009	2010 to 2019	2020 to 2024
All homes	132.54	20.25	12.17	12.73	18.09	16.60	15.89	18.28	12.48	6.06
Number of indoor light bulbs used at least 4 hours a day										
0 to 2	53.97	8.16	5.04	5.01	7.65	7.29	6.31	7.13	4.81	2.57
3 to 5	33.41	5.21	3.24	3.51	4.68	3.94	4.09	4.70	2.80	1.26
6 to 9	23.91	3.74	2.18	2.42	3.21	3.00	2.60	3.17	2.38	1.20
10 to 19	16.79	2.55	1.42	1.42	2.01	1.82	2.27	2.59	1.88	0.83
20 or more	4.46	0.60	0.29	0.37	0.54	0.55	0.62	0.69	0.60	0.20
Incandescent or halogen bulbs used indoors										
Yes, at least one incandescent or halogen bulb	67.80	10.35	6.65	6.67	9.37	8.57	8.42	9.67	5.53	2.57
All bulbs are incandescent or halogen	7.03	0.92	0.63	0.84	0.85	1.02	0.83	0.95	0.55	0.44
Most bulbs are incandescent or halogen	6.84	1.16	0.71	0.86	0.82	0.80	0.89	0.85	0.53	0.20
About half of bulbs are incandescent or halogen	7.99	1.08	0.81	0.60	1.26	1.23	0.97	1.32	0.45	0.28
Some bulbs are incandescent or halogen	45.95	7.19	4.51	4.37	6.43	5.52	5.73	6.54	4.00	1.66
No incandescent or halogen bulbs	64.73	9.90	5.52	6.06	8.72	8.03	7.47	8.61	6.94	3.49
CFL bulbs used indoors										
Yes, at least one CFL bulb	59.35	9.50	5.78	5.74	8.53	7.51	7.31	8.28	4.82	1.89
All bulbs are CFL	3.22	0.41	0.38	0.40	0.43	0.51	0.29	0.35	0.32	0.13
Most bulbs are CFL	6.12	1.07	0.66	0.55	0.88	0.54	0.65	0.95	0.53	0.29
About half of bulbs are CFL	8.04	1.13	0.80	0.65	1.08	1.11	0.92	1.40	0.74	0.22
Some bulbs are CFL	41.97	6.89	3.94	4.15	6.15	5.34	5.45	5.57	3.24	1.24
No CFL bulbs	73.18	10.75	6.39	6.98	9.55	9.09	8.58	10.00	7.66	4.17
LED bulbs used indoors										
Yes, at least one LED bulb	118.89	18.30	10.92	11.25	16.27	14.63	14.34	16.50	11.27	5.39
All bulbs are LED	48.71	7.11	4.05	4.56	6.36	5.76	5.63	6.42	5.74	3.08
Most bulbs are LED	34.27	5.46	3.15	3.26	4.78	4.38	4.15	4.93	2.96	1.20
About half of bulbs are LED	16.16	2.45	1.75	1.45	2.26	2.12	2.12	2.50	1.03	0.47
Some bulbs are LED	19.76	3.28	1.98	1.98	2.87	2.37	2.45	2.66	1.54	0.63
No LED bulbs	13.65	1.94	1.25	1.47	1.81	1.97	1.54	1.78	1.21	0.67
Outdoor light bulbs left on all night										
None	75.02	12.21	6.21	7.23	10.79	9.52	8.62	10.14	6.89	3.40
1 to 4	49.46	7.28	5.42	4.74	6.47	6.24	6.12	6.76	4.43	2.02
5 to 9	6.16	0.55	0.40	0.52	0.72	0.66	0.90	1.11	0.85	0.45
10 or more	1.89	0.21	0.14	0.24	0.11	0.18	0.24	0.28	0.30	0.19
Type of outdoor light bulbs left on all night										
At least one outdoor light bulb	57.52	8.04	5.95	5.50	7.30	7.08	7.27	8.14	5.58	2.66
LED	44.22	6.18	4.35	4.29	5.83	5.28	5.44	6.23	4.50	2.12
CFL	6.19	0.79	0.73	0.52	0.76	0.79	0.79	0.94	0.65	0.23
Incandescent or halogen	11.34	1.64	1.37	1.07	1.37	1.58	1.57	1.41	0.89	0.44
No outdoor light bulbs	75.02	12.21	6.21	7.23	10.79	9.52	8.62	10.14	6.89	3.40

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the 2024 Residential Energy Consumption Survey (RECS)

Note: Because of rounding, data may not sum to totals. See RECS Terminology for the definitions of terms used in these tables.

^a Total U.S. includes all primary occupied housing units in the 50 states and the District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

Relative standard errors (RSEs) for Table HC5.3 Lighting in U.S. homes, by year of construction, 2024

RSEs for number of housing units										
	Total U.S. ^a	Year of construction								
		Before 1950	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2009	2010 to 2019	2020 to 2024
All homes	P	P	P	P	P	P	P	P	2.05	4.23
Number of indoor light bulbs used at least 4 hours a day										
0 to 2	1.13	2.62	3.16	3.98	2.62	2.78	3.80	2.88	4.40	8.15
3 to 5	1.40	3.84	5.44	5.32	4.76	5.52	4.65	4.23	6.54	10.84
6 to 9	2.36	5.60	7.88	5.36	5.53	5.31	6.18	5.70	6.08	10.16
10 to 19	2.37	6.10	8.60	7.49	6.25	7.20	6.69	6.48	5.26	9.99
20 or more	4.29	11.73	19.96	16.43	13.03	13.03	13.51	10.58	12.50	17.88
Incandescent or halogen bulbs used indoors										
Yes, at least one incandescent or halogen bulb	0.78	2.16	3.13	2.73	2.20	2.73	2.36	2.38	3.94	6.86
All bulbs are incandescent or halogen	3.44	11.10	14.23	13.35	12.23	10.77	12.03	10.13	14.99	16.83
Most bulbs are incandescent or halogen	3.94	9.35	13.13	10.20	10.85	11.43	9.60	10.47	16.17	21.72
About half of bulbs are incandescent or halogen	4.02	10.25	9.83	11.81	9.59	8.62	9.30	9.99	14.68	23.46
Some bulbs are incandescent or halogen	1.19	3.20	4.68	4.43	3.03	3.99	3.46	3.30	5.23	8.99
No incandescent or halogen bulbs	0.82	2.26	3.77	3.00	2.37	2.91	2.66	2.67	3.65	5.21
CFL bulbs used indoors										
Yes, at least one CFL bulb	0.94	2.23	3.03	3.32	2.66	2.86	2.57	2.16	4.23	8.20
All bulbs are CFL	6.98	15.62	17.62	17.90	16.63	16.44	25.01	18.53	22.56	27.09
Most bulbs are CFL	3.83	10.45	13.18	16.95	10.85	12.58	12.70	12.25	15.33	22.73
About half of bulbs are CFL	3.68	10.69	11.15	13.52	8.95	9.52	10.73	7.48	12.69	26.82
Some bulbs are CFL	1.45	3.13	3.76	4.17	3.43	3.70	3.41	3.42	6.38	10.10
No CFL bulbs	0.76	1.97	2.75	2.73	2.38	2.36	2.19	1.79	3.45	4.98
LED bulbs used indoors										
Yes, at least one LED bulb	0.28	0.93	1.16	1.21	0.93	0.89	0.89	0.79	2.72	4.29
All bulbs are LED	0.99	3.02	4.52	3.88	3.37	3.96	3.72	2.64	4.33	5.62
Most bulbs are LED	1.49	4.03	6.10	5.47	4.02	4.26	5.18	4.42	6.27	9.10
About half of bulbs are LED	2.35	5.08	7.11	7.61	6.42	7.01	6.86	6.22	10.40	14.05
Some bulbs are LED	1.92	5.09	7.31	7.39	6.08	5.96	6.08	6.32	11.94	13.26
No LED bulbs	2.40	8.77	10.20	9.27	8.32	6.64	8.26	7.29	10.41	13.54
Outdoor light bulbs left on all night										
None	0.79	1.91	3.11	2.74	2.10	2.55	2.50	2.36	3.48	5.82
1 to 4	1.30	3.37	3.61	4.17	3.27	3.65	3.34	3.31	4.54	7.70
5 to 9	3.36	13.21	15.50	15.61	12.03	12.66	10.75	8.81	10.30	14.70
10 or more	8.07	21.05	32.12	21.05	28.67	22.44	23.06	18.84	17.93	27.19
Type of outdoor light bulbs left on all night										
At least one outdoor light bulb	1.04	2.90	3.25	3.61	3.11	3.44	2.97	2.94	3.77	6.56
LED	1.27	3.21	3.90	4.32	3.84	4.02	3.39	3.55	4.22	7.55
CFL	4.46	9.59	12.61	15.16	10.75	12.37	12.05	11.80	12.22	28.47
Incandescent or halogen	2.85	8.06	9.55	9.44	8.28	8.90	8.68	9.28	12.11	17.45
No outdoor light bulbs	0.79	1.91	3.11	2.74	2.10	2.55	2.50	2.36	3.48	5.82

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the 2024 Residential Energy Consumption Survey (RECS)

Note: Because of rounding, data may not sum to totals. See RECS Terminology for the definitions of terms used in these tables.

^a Total U.S. includes all primary occupied housing units in the 50 states and the District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

P=Estimate is equal to the control total that is used in poststratification and is based on the U.S. Census Bureau's 2024 American Community Survey one-year estimates.