

Table HC5.8 Lighting in U.S. homes in the South and West regions, 2024

	Number of housing units (million)									
	South Census Region					West Census Region				
	Total U.S. ^a	Total South	South Atlantic	East South Central	West South Central	Total West	Mountain			Pacific
Total Mountain							Mountain North	Mountain South		
All homes	132.54	51.49	27.38	8.01	16.11	29.63	10.19	5.13	5.06	19.44
Number of indoor light bulbs used at least 4 hours a day										
0 to 2	53.97	20.40	11.11	3.07	6.22	12.35	4.59	2.23	2.36	7.76
3 to 5	33.41	13.18	7.03	2.06	4.09	7.45	2.34	1.19	1.15	5.11
6 to 9	23.91	9.27	4.99	1.47	2.82	5.14	1.73	0.92	0.81	3.41
10 to 19	16.79	6.71	3.35	1.03	2.33	3.70	1.27	0.61	0.66	2.43
20 or more	4.46	1.93	0.90	0.39	0.64	0.98	0.25	0.18	0.07	0.73
Incandescent or halogen bulbs used indoors										
Yes, at least one incandescent or halogen bulb										
All bulbs are incandescent or halogen	67.80	27.19	14.82	4.51	7.86	14.31	4.95	2.54	2.41	9.36
Most bulbs are incandescent or halogen	7.03	3.11	1.56	0.55	1.00	1.36	0.48	0.21	0.27	0.88
About half of bulbs are incandescent or halogen	6.84	2.90	1.51	0.49	0.90	1.23	0.54	0.28	0.26	0.69
Some bulbs are incandescent or halogen	7.99	3.50	1.90	0.57	1.03	1.48	0.59	0.34	0.26	0.88
No incandescent or halogen bulbs	45.95	17.69	9.85	2.91	4.94	10.25	3.34	1.71	1.63	6.91
No incandescent or halogen bulbs	64.73	24.30	12.56	3.50	8.25	15.31	5.24	2.59	2.65	10.07
CFL bulbs used indoors										
Yes, at least one CFL bulb										
All bulbs are CFL	59.35	22.42	12.91	3.27	6.23	14.43	4.78	2.31	2.48	9.65
Most bulbs are CFL	3.22	1.29	0.68	0.20	0.41	0.76	0.19	0.06	0.12	0.57
About half of bulbs are CFL	6.12	2.34	1.34	0.37	0.63	1.53	0.54	0.23	0.31	0.99
Some bulbs are CFL	8.04	3.17	1.82	0.38	0.96	2.03	0.77	0.30	0.47	1.26
No CFL bulbs	41.97	15.61	9.07	2.32	4.23	10.11	3.29	1.72	1.57	6.82
No CFL bulbs	73.18	29.08	14.47	4.74	9.88	15.19	5.41	2.83	2.58	9.79
LED bulbs used indoors										
Yes, at least one LED bulb										
All bulbs are LED	118.89	45.78	24.28	7.05	14.45	26.79	9.25	4.73	4.52	17.53
Most bulbs are LED	48.71	18.69	9.28	2.84	6.57	11.21	3.96	1.98	1.98	7.25
About half of bulbs are LED	34.27	12.95	7.31	1.86	3.78	7.97	2.78	1.51	1.27	5.19
Some bulbs are LED	16.16	6.12	3.24	1.02	1.86	3.49	1.14	0.52	0.63	2.35
No LED bulbs	19.76	8.01	4.44	1.33	2.24	4.12	1.37	0.73	0.65	2.75
No LED bulbs	13.65	5.72	3.10	0.96	1.66	2.84	0.94	0.40	0.53	1.90
Outdoor light bulbs left on all night										
None	75.02	28.23	15.88	4.49	7.85	15.26	5.12	2.86	2.25	10.14
1 to 4	49.46	19.85	9.98	3.01	6.85	12.39	4.32	1.97	2.35	8.08
5 to 9	6.16	2.55	1.16	0.37	1.02	1.52	0.58	0.22	0.35	0.95
10 or more	1.89	0.87	0.35	0.14	0.38	0.45	0.18	0.08	0.10	0.27
Type of outdoor light bulbs left on all night										
At least one outdoor light bulb										
LED	57.52	23.27	11.49	3.52	8.25	14.37	5.08	2.27	2.81	9.29
CFL	44.22	17.48	8.58	2.65	6.25	11.31	4.18	1.92	2.26	7.12
Incandescent or halogen	6.19	2.34	1.12	0.37	0.85	1.74	0.51	0.19	0.32	1.23
No outdoor light bulbs	11.34	5.22	2.63	0.76	1.82	2.38	0.78	0.32	0.46	1.60
No outdoor light bulbs	75.02	28.23	15.88	4.49	7.85	15.26	5.12	2.86	2.25	10.14

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 HC5.8 Lighting in U.S. homes in the South and West regions, 2024

RSEs for number of housing units

	South Census Region					West Census Region				
	Total U.S. ^a	Total South	South Atlantic	East South Central	West South Central	Total West	Mountain			Pacific
							Total Mountain	Mountain North	Mountain South	
	P	P	P	P	P	P	P	P	P	P
All homes										
Number of indoor light bulbs used at least 4 hours a day										
0 to 2	1.13	1.91	2.36	3.79	3.71	3.04	3.15	4.05	4.34	3.99
3 to 5	1.40	2.47	4.08	4.61	4.93	4.21	4.95	7.74	6.01	5.51
6 to 9	2.36	3.64	5.14	5.95	5.73	4.17	5.57	8.70	8.73	5.57
10 to 19	2.37	3.77	6.07	7.20	7.30	5.16	6.27	8.55	9.05	6.98
20 or more	4.29	6.84	9.76	11.12	12.49	10.14	13.53	15.33	31.27	13.45
Incandescent or halogen bulbs used indoors										
Yes, at least one incandescent or halogen bulb	0.78	1.32	2.00	3.21	3.19	1.90	2.62	3.47	4.14	2.48
All bulbs are incandescent or halogen	3.44	6.08	10.73	10.63	10.82	8.33	10.73	21.48	14.33	12.98
Most bulbs are incandescent or halogen	3.94	6.52	8.33	11.69	12.48	9.52	11.15	17.77	12.99	13.30
About half of bulbs are incandescent or halogen	4.02	5.59	9.00	7.70	10.81	8.89	9.42	15.38	14.58	12.24
Some bulbs are incandescent or halogen	1.19	1.91	2.82	4.93	4.56	2.37	3.90	5.17	5.92	3.03
No incandescent or halogen bulbs	0.82	1.47	2.36	4.14	3.04	1.78	2.47	3.40	3.77	2.31
CFL bulbs used indoors										
Yes, at least one CFL bulb	0.94	1.86	2.52	3.73	3.46	1.94	2.99	4.17	4.08	2.48
All bulbs are CFL	6.98	9.34	13.82	19.30	18.55	14.26	18.40	36.20	21.72	18.04
Most bulbs are CFL	3.83	7.19	11.01	15.47	11.67	8.10	11.30	17.29	14.50	11.45
About half of bulbs are CFL	3.68	5.80	7.98	13.86	9.65	6.99	8.05	15.63	10.58	9.88
Some bulbs are CFL	1.45	2.38	2.85	4.35	4.49	2.65	3.70	5.02	6.15	3.34
No CFL bulbs	0.76	1.44	2.25	2.57	2.19	1.84	2.65	3.41	3.91	2.45
LED bulbs used indoors										
Yes, at least one LED bulb	0.28	0.45	0.81	1.12	1.03	0.61	0.83	1.30	0.99	0.84
All bulbs are LED	0.99	1.80	3.04	4.40	3.36	2.33	3.27	4.37	4.53	2.97
Most bulbs are LED	1.49	2.75	3.89	5.15	4.91	2.86	3.88	5.34	6.24	3.69
About half of bulbs are LED	2.35	4.00	5.63	7.23	7.11	5.01	6.82	10.74	7.82	6.20
Some bulbs are LED	1.92	3.52	4.88	6.53	7.11	5.08	6.84	8.88	9.80	6.70
No LED bulbs	2.40	3.56	6.34	8.22	8.94	5.72	8.22	15.27	8.34	7.78
Outdoor light bulbs left on all night										
None	0.79	1.54	2.18	2.23	2.52	2.03	2.05	3.17	4.15	2.80
1 to 4	1.30	2.12	3.10	3.48	2.92	2.57	2.80	4.91	4.08	3.47
5 to 9	3.36	6.59	11.24	11.13	9.93	8.10	11.14	19.19	12.91	11.06
10 or more	8.07	11.19	23.05	20.52	18.84	15.44	17.67	29.83	24.66	23.06
Type of outdoor light bulbs left on all night										
At least one outdoor light bulb	1.04	1.87	3.01	2.85	2.40	2.16	2.07	4.00	3.33	3.05
LED	1.27	2.52	3.79	4.21	3.32	2.74	2.86	4.90	4.50	3.78
CFL	4.46	6.71	10.17	13.71	10.75	9.37	12.38	16.34	15.29	12.19
Incandescent or halogen	2.85	4.71	6.91	9.78	7.88	7.27	9.17	14.11	10.94	9.57
No outdoor light bulbs	0.79	1.54	2.18	2.23	2.52	2.03	2.05	3.17	4.15	2.80

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.