

Table HC5.5 Lighting in U.S. homes, by household income, 2020

	Number of housing units (million)								
	Total U.S. ^a	Household income							
		Less than \$5,000	\$5,000–\$9,999	\$10,000–\$19,999	\$20,000–\$39,999	\$40,000–\$59,999	\$60,000–\$99,999	\$100,000–\$149,999	\$150,000 or more
All homes	123.53	4.48	4.01	10.25	24.07	19.61	27.71	16.54	16.86
Indoor light bulbs used at least 4 hours a day									
0 to 2	47.78	2.02	1.89	5.03	10.51	8.41	10.24	5.40	4.27
3 to 5	31.24	1.06	0.99	2.84	7.06	4.94	7.25	3.93	3.16
6 to 9	23.06	0.85	0.74	1.57	3.90	3.72	5.47	3.27	3.53
10 to 19	16.66	0.47	0.33	0.60	2.21	2.08	3.78	3.05	4.15
20 or more	4.79	Q	Q	0.20	0.39	0.46	0.97	0.89	1.75
Incandescent or halogen bulbs used indoors									
Yes, at least one incandescent or halogen bulb									
	75.22	2.64	2.39	6.01	14.47	11.78	17.30	10.30	10.32
All bulbs are incandescent or halogen									
	8.50	0.79	0.60	1.19	2.33	1.22	1.36	0.48	0.52
Most bulbs are incandescent or halogen									
	10.19	0.45	0.35	0.66	2.23	1.93	2.16	1.16	1.26
About half of bulbs are incandescent or halogen									
	9.10	0.18	0.28	0.76	2.00	1.28	2.03	1.27	1.30
Some bulbs are incandescent or halogen									
	47.43	1.22	1.16	3.40	7.91	7.35	11.75	7.39	7.24
No incandescent or halogen bulbs									
	48.31	1.83	1.61	4.23	9.61	7.83	10.41	6.24	6.54
CFL bulbs used indoors									
Yes, at least one CFL bulb									
	74.38	2.44	2.20	6.22	13.81	12.09	17.12	10.25	10.25
All bulbs are CFL									
	5.35	0.32	0.42	0.92	1.41	0.92	0.82	0.26	0.29
Most bulbs are CFL									
	9.55	0.46	0.40	0.99	1.75	1.57	2.27	1.14	0.97
About half of bulbs are CFL									
	11.82	0.39	0.24	1.06	2.38	1.81	2.59	1.74	1.61
Some bulbs are CFL									
	47.66	1.28	1.14	3.24	8.27	7.79	11.44	7.11	7.39
No CFL bulbs									
	49.15	2.04	1.81	4.03	10.26	7.52	10.59	6.29	6.61
LED bulbs used indoors									
Yes, at least one LED bulb									
	101.85	3.01	2.62	7.32	18.52	15.85	23.92	15.05	15.56
All bulbs are LED									
	26.08	1.28	0.94	2.29	5.38	3.81	5.38	3.50	3.51
Most bulbs are LED									
	31.61	0.57	0.62	1.63	4.83	4.85	8.16	5.34	5.60
About half of bulbs are LED									
	17.69	0.40	0.42	1.07	2.81	2.55	4.52	2.77	3.16
Some bulbs are LED									
	26.47	0.76	0.64	2.33	5.49	4.64	5.86	3.45	3.30
No LED bulbs									
	21.68	1.47	1.39	2.93	5.56	3.76	3.79	1.49	1.30
Outdoor light bulbs left on all night									
None									
	72.40	2.90	2.64	6.47	15.00	11.77	15.61	9.29	8.73
1 to 4									
	45.30	1.48	1.30	3.63	8.53	7.26	10.63	6.25	6.21
5 to 9									
	4.25	0.07	Q	0.12	0.44	0.40	1.12	0.73	1.31
10 or more									
	1.57	Q	Q	Q	0.10	0.17	0.34	0.26	0.61
Type of outdoor light bulbs left on all night									
Yes, at least 1 outdoor light bulb									
	51.12	1.58	1.37	3.78	9.07	7.83	12.10	7.25	8.14
LED									
	33.26	0.86	0.78	2.01	5.42	5.17	7.95	5.21	5.87
CFL									
	8.39	0.35	0.20	0.67	1.39	1.27	1.93	1.35	1.23
Incandescent or halogen									
	13.62	0.48	0.46	1.30	2.93	2.05	3.17	1.47	1.76
No outdoor light bulbs									
	72.40	2.90	2.64	6.47	15.00	11.77	15.61	9.29	8.73

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All homes	123.53	4.48	4.01	10.25	24.07	19.61	27.71	16.54	16.86

Source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the *2020 Residential Energy Consumption Survey*

Notes: Because of rounding, data may not sum to totals. See RECS Terminology for definition 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.

Q = Data withheld because either the relative standard error (RSE) was greater than 50% or fewer than 10 households in reporting sample.

N = No households in reporting sample.

Relative standard errors (RSEs) for Table HC5.5 Lighting in U.S. homes, by household income, 2020

RSEs for number of housing units

	Household income								
	Total U.S. ^a	Less than \$5,000	\$5,000–\$9,999	\$10,000–\$19,999	\$20,000–\$39,999	\$40,000–\$59,999	\$60,000–\$99,999	\$100,000–\$149,999	\$150,000 or more
All homes	0.00	4.63	5.53	3.21	1.98	1.83	1.58	1.83	1.93
Indoor light bulbs used at least 4 hours a day									
0 to 2	1.21	7.75	7.70	4.68	3.23	3.38	2.71	3.88	4.26
3 to 5	1.27	10.63	9.41	5.99	3.44	3.74	3.18	4.43	4.61
6 to 9	1.80	10.02	12.04	7.55	5.10	4.37	3.72	4.79	5.14
10 to 19	2.26	14.23	16.97	11.04	5.99	6.74	4.84	4.43	4.36
20 or more	4.44	44.91	48.76	20.96	15.67	14.46	8.62	7.11	6.29
Incandescent or halogen bulbs used indoors									
Yes, at least one incandescent or halogen bulb	0.70	6.54	7.53	4.23	2.47	2.66	2.13	2.10	2.57
All bulbs are incandescent or halogen	3.27	15.32	13.97	7.98	6.57	8.95	8.16	10.80	12.32
Most bulbs are incandescent or halogen	2.70	14.27	15.20	11.50	7.11	7.76	5.84	8.78	6.91
About half of bulbs are incandescent or halogen	2.52	21.54	20.57	10.47	6.93	7.45	6.93	7.65	9.46
Some bulbs are incandescent or halogen	1.03	9.32	11.99	6.03	3.21	3.65	2.27	2.66	3.07
No incandescent or halogen bulbs	1.08	8.46	8.96	4.90	3.38	3.48	2.65	3.55	3.62
CFL bulbs used indoors									
Yes, at least one CFL bulb	0.57	5.94	6.70	5.05	2.65	2.26	1.87	2.42	2.41
All bulbs are CFL	4.82	17.69	16.39	11.25	10.07	11.79	11.22	18.02	18.67
Most bulbs are CFL	2.85	14.74	16.74	9.84	8.74	8.78	5.24	8.48	9.55
About half of bulbs are CFL	2.75	16.21	20.57	10.23	7.22	6.97	6.33	7.02	6.63
Some bulbs are CFL	1.02	8.46	11.05	6.31	3.14	2.55	2.44	3.02	2.76
No CFL bulbs	0.87	7.77	7.09	4.91	3.30	2.97	2.56	3.38	3.12
LED bulbs used indoors									
Yes, at least one LED bulb	0.40	5.41	6.15	3.79	2.11	2.11	1.73	2.03	2.05
All bulbs are LED	1.33	11.06	9.86	6.27	4.17	4.83	3.42	4.24	4.82
Most bulbs are LED	1.48	13.93	13.99	7.58	3.89	4.15	3.27	3.34	3.78
About half of bulbs are LED	1.88	17.12	14.34	8.64	6.72	5.85	3.93	6.06	5.04
Some bulbs are LED	1.53	11.61	13.51	6.59	3.81	3.90	3.52	4.07	4.78
No LED bulbs	1.90	9.67	9.58	5.60	4.34	5.14	5.10	7.30	7.94
Outdoor light bulbs left on all night									
None	0.66	6.87	6.59	4.13	2.52	2.41	2.29	2.58	2.88
1 to 4	0.99	9.14	9.67	5.54	3.60	3.42	2.49	3.15	3.11
5 to 9	4.74	37.28	47.46	28.69	14.72	14.43	10.98	10.31	8.36
10 or more	6.76	76.75	74.90	51.23	37.30	24.22	17.43	18.81	10.52
Type of outdoor light bulbs left on all night									
Yes, at least 1 outdoor light bulb	0.93	8.80	9.41	5.35	3.70	3.24	2.39	2.82	2.70
LED	1.36	10.39	13.24	7.35	4.94	4.10	2.94	3.56	3.24
CFL	3.07	21.24	26.11	13.70	7.58	8.59	6.31	7.29	6.81
Incandescent or halogen	2.22	13.83	15.83	9.41	6.44	6.23	4.92	7.21	6.90
No outdoor light bulbs	0.66	6.87	6.59	4.13	2.52	2.41	2.29	2.58	2.88

Source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the 2020 Residential Energy Consumption Survey

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