

Preliminary data release date: March 2022

Final data release date: March 2023

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

	Number of housing units (million)								
	Total U.S. <sup>a</sup>	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
<b>All homes</b>	123.53	4.48	4.01	10.25	24.07	19.61	27.71	16.54	16.86
<b>Indoor light bulbs used at least 4 hours a day</b>									
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
<b>Incandescent or halogen bulbs used indoors</b>									
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	
<b>CFL bulbs used indoors</b>									
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	
<b>LED bulbs used indoors</b>									
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	
<b>Outdoor light bulbs left on all night</b>									
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	
<b>Type of outdoor light bulbs left on all night</b>									
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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	Number of housing units (million)								
	Household income								
Total U.S. <sup>a</sup>	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	
<b>All homes</b>	123.53	4.48	4.01	10.25	24.07	19.61	27.71	16.54	16.86

Data 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.

<sup>a</sup> *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.

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**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. <sup>a</sup>	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
<b>All homes</b>	0.00	4.63	5.53	3.21	1.98	1.83	1.58	1.83	1.93
<b>Indoor light bulbs used at least 4 hours a day</b>									
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
<b>Incandescent or halogen bulbs used indoors</b>									
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	
<b>CFL bulbs used indoors</b>									
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	
<b>LED bulbs used indoors</b>									
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	
<b>Outdoor light bulbs left on all night</b>									
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	
<b>Type of outdoor light bulbs left on all night</b>									
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	

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**RSEs for number of housing units**

	Household income								
	Total U.S. <sup>a</sup>	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
<b>All homes</b>	0.00	4.63	5.53	3.21	1.98	1.83	1.58	1.83	1.93

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

Notes: See RECS Terminology for definition of terms used in these tables.

<sup>a</sup> *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.