

Preliminary data release date: March 2022

Final data release date: March 2023

Table HC5.2 Lighting in U.S. homes, by owner or renter status, 2020

Number of housing units (million)

	Housing unit type						
	Total U.S. ^a	Own	Rent ^b	Single-family and mobile homes		Apartments	
				Own	Rent ^b	Own	Rent ^b
All homes	123.53	82.92	40.61	78.60	12.75	4.32	27.86
Indoor light bulbs used at least 4 hours a day							
0 to 2	47.78	29.25	18.53	27.58	5.26	1.66	13.27
3 to 5	31.24	20.11	11.13	19.03	3.42	1.08	7.71
6 to 9	23.06	16.26	6.79	15.35	2.32	0.91	4.47
10 to 19	16.66	13.19	3.47	12.64	1.40	0.56	2.07
20 or more	4.79	4.11	0.68	4.00	0.35	0.11	0.33
Incandescent or halogen bulbs used indoors							
Yes, at least one incandescent or halogen bulb	75.22	50.78	24.44	48.03	7.79	2.75	16.65
All bulbs are incandescent or halogen	8.50	3.68	4.82	3.45	1.19	0.23	3.63
Most bulbs are incandescent or halogen	10.19	6.43	3.76	6.05	1.19	0.38	2.57
About half of bulbs are incandescent or halogen	9.10	6.45	2.66	5.98	0.73	0.47	1.93
Some bulbs are incandescent or halogen	47.43	34.22	13.21	32.55	4.68	1.67	8.52
No incandescent or halogen bulbs	48.31	32.14	16.17	30.57	4.97	1.57	11.21
CFL bulbs used indoors							
Yes, at least one CFL bulb	74.38	50.89	23.49	48.51	7.84	2.38	15.65
All bulbs are CFL	5.35	2.51	2.85	2.30	0.81	0.20	2.03
Most bulbs are CFL	9.55	6.17	3.38	5.95	1.12	0.23	2.25
About half of bulbs are CFL	11.82	8.15	3.67	7.75	1.13	0.40	2.55
Some bulbs are CFL	47.66	34.06	13.60	32.51	4.78	1.55	8.82
No CFL bulbs	49.15	32.03	17.12	30.09	4.91	1.94	12.21
LED bulbs used indoors							
Yes, at least one LED bulb	101.85	72.11	29.74	68.50	9.83	3.61	19.91
All bulbs are LED	26.08	17.67	8.41	16.82	2.42	0.86	5.98
Most bulbs are LED	31.61	23.79	7.83	22.62	2.73	1.17	5.09
About half of bulbs are LED	17.69	13.10	4.59	12.48	1.75	0.61	2.84
Some bulbs are LED	26.47	17.55	8.92	16.58	2.92	0.97	6.00
No LED bulbs	21.68	10.81	10.87	10.10	2.92	0.71	7.95
Outdoor light bulbs left on all night							
None	72.40	45.77	26.64	42.46	6.98	3.31	19.66
1 to 4	45.30	32.16	13.14	31.27	5.49	0.89	7.65
5 to 9	4.25	3.69	0.57	3.61	0.24	Q	0.33
10 or more	1.57	1.30	0.26	1.26	Q	Q	0.21

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	Total U.S. ^a	Own	Rent ^b	Single-family and mobile homes		Apartments	
			Own	Rent ^b	Own	Rent ^b	
All homes	123.53	82.92	40.61	78.60	12.75	4.32	27.86
Type of outdoor light bulbs left on all night							
At least 1 outdoor light bulb	51.12	37.15	13.97	36.14	5.77	1.01	8.20
LED	33.26	25.81	7.45	25.25	3.57	0.57	3.89
CFL	8.39	5.82	2.57	5.60	0.95	0.22	1.62
Incandescent or halogen	13.62	8.73	4.88	8.45	1.75	0.29	3.14
No outdoor light bulbs	72.40	45.77	26.64	42.46	6.98	3.31	19.66

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.

^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.

^b *Rent* includes households that occupy their primary housing units without paying rent.

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 HC5.2 Lighting in U.S. homes, by owner or renter status, 2020

RSEs for number of housing units

	Housing unit type						
	Total U.S. ^a	Own		Single-family and mobile homes		Apartments	
		Own	Rent ^b	Own	Rent ^b	Own	Rent ^b
All homes	0.00	0.42	0.86	0.35	2.15	4.13	0.64
Indoor light bulbs used at least 4 hours a day							
0 to 2	1.21	1.44	2.08	1.45	3.42	7.27	2.50
3 to 5	1.27	1.70	2.88	1.78	4.64	9.11	3.43
6 to 9	1.80	2.15	3.33	2.14	5.12	12.81	4.10
10 to 19	2.26	2.58	5.25	2.57	7.78	15.88	6.90
20 or more	4.44	4.13	14.26	4.03	14.80	34.51	22.69
Incandescent or halogen bulbs used indoors							
Yes, at least one incandescent or halogen bulb							
halogen bulb	0.70	0.84	1.64	0.78	3.28	6.22	1.80
All bulbs are incandescent or halogen	3.27	4.73	4.68	4.75	8.41	20.44	5.68
Most bulbs are incandescent or halogen	2.70	3.36	5.11	3.23	8.62	16.59	6.32
About half of bulbs are incandescent or halogen	2.52	3.56	6.31	3.34	8.46	15.70	8.15
Some bulbs are incandescent or halogen	1.03	1.14	2.43	1.12	4.20	7.95	2.94
No incandescent or halogen bulbs	1.08	1.23	2.37	1.20	4.20	7.51	2.47
CFL bulbs used indoors							
Yes, at least one CFL bulb							
All bulbs are CFL	4.82	6.99	5.44	7.05	10.52	22.66	6.80
Most bulbs are CFL	2.85	3.26	5.24	3.37	9.59	21.32	5.50
About half of bulbs are CFL	2.75	3.07	5.62	3.08	6.51	14.83	7.32
Some bulbs are CFL	1.02	1.22	2.00	1.21	3.55	8.99	2.67
No CFL bulbs	0.87	1.14	2.00	1.18	3.40	7.53	2.31
LED bulbs used indoors							
Yes, at least one LED bulb							
All bulbs are LED	1.33	1.54	3.00	1.59	5.17	11.54	3.62
Most bulbs are LED	1.48	1.67	3.62	1.61	6.30	8.96	4.29
About half of bulbs are LED	1.88	2.28	4.80	2.23	7.63	13.33	6.46
Some bulbs are LED	1.53	1.89	3.38	1.91	5.44	10.28	4.17
No LED bulbs	1.90	2.75	2.75	2.69	4.92	11.93	3.58

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RSEs for number of housing units

	Housing unit type						
	Total U.S. ^a	Own		Rent ^b		Apartment	
		Own	Rent ^b	Own	Rent ^b	Own	Rent ^b
All homes	0.00	0.42	0.86	0.35	2.15	4.13	0.64
Outdoor light bulbs left on all night							
None	0.66	0.84	1.52	0.79	3.62	5.63	1.72
1 to 4	0.99	1.15	2.56	1.11	3.41	10.64	3.62
5 to 9	4.74	5.41	11.67	5.49	18.14	38.61	19.04
10 or more	6.76	7.68	19.52	7.81	42.00	53.27	22.52
Type of outdoor light bulbs left on all night							
At least 1 outdoor light bulb	0.93	0.99	2.38	0.95	3.40	10.13	3.36
LED	1.36	1.33	3.46	1.31	4.55	14.51	5.78
CFL	3.07	3.32	6.61	3.29	9.43	21.53	8.52
Incandescent or halogen	2.22	3.22	4.93	3.30	6.76	20.30	6.13
No outdoor light bulbs	0.66	0.84	1.52	0.79	3.62	5.63	1.72

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.

^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.

^b Rent includes households that occupy their primary housing units without paying rent.