Table HC5.6 Lighting in U.S. homes, by climate region, 2020

Climate region ^b								
	Total U.S. ^ª	Very-cold/ Cold	Mixed-humid	Mixed-dry/ Hot-dry	Hot-humid	Marine		
All homes	123.53	42.50	36.79	15.06	22.31	6.87		
	123.33	42.30	50.75	15.00	22.51	0.87		
Indoor light bulbs used at least 4								
hours a day		46.00	40.47					
0 to 2	47.78	16.33	13.47	6.30	9.08	2.60		
3 to 5	31.24	11.21	9.33	3.76	5.43	1.51		
6 to 9	23.06	7.65	7.25	2.84	3.90	1.43		
10 to 19	16.66	5.74	5.25	1.72	2.95	1.01		
20 or more	4.79	1.59	1.50	0.43	0.96	0.32		
Incandescent or halogen bulbs used indoors								
Yes, at least one incandescent or								
halogen bulb	75.22	26.39	22.92	8.38	13.70	3.83		
All bulbs are incandescent or	, ,	20.35		0.50	13.70	5.05		
halogen	8.50	2.54	3.16	0.62	1.87	0.31		
Most bulbs are incandescent or								
halogen	10.19	3.55	3.20	1.09	1.92	0.43		
About half of bulbs are								
incandescent or halogen Some bulbs are incandescent or	9.10	3.30	2.87	0.90	1.68	0.35		
halogen	47.43	16.99	13.69	5.77	8.24	2.75		
No incandescent or halogen bulbs	48.31	16.12	13.87	6.67	8.61	3.04		
CFL bulbs used indoors								
Yes, at least one CFL bulb	74.38	25.76	21.85	9.87	12.77	4.13		
All bulbs are CFL	5.35	1.51	1.54	0.92	1.03	0.34		
Most bulbs are CFL	9.55	3.09	2.71	1.56	1.67	0.52		
About half of bulbs are CFL	11.82	4.06	3.49	1.55	2.15	0.56		
Some bulbs are CFL	47.66	17.11	14.10	5.83	7.92	2.70		
No CFL bulbs	49.15	16.74	14.95	5.19	9.54	2.74		
LED bulbs used indoors								
Yes, at least one LED bulb	101.85	35.64	29.80	12.39	18.08	5.94		
All bulbs are LED	26.08	8.90	7.47	3.26	4.88	1.56		
Most bulbs are LED	31.61	11.41	8.86	3.66	5.56	2.12		
About half of bulbs are LED	17.69	6.19	5.15	2.17	3.25	0.92		
Some bulbs are LED	26.47	9.15	8.31	3.29	4.38	1.34		
No LED bulbs	20.47	6.87	6.99	2.66	4.38	0.92		
		0.07	0.55	2.00	7.23	0.52		
Outdoor light bulbs left on all night								
None	72.40	26.85	21.93	7.51	11.99	4.12		
1 to 4	45.30	14.10	13.02	6.61	9.18	2.39		
5 to 9	4.25	1.21	1.29	0.70	0.79	0.27		
10 or more	1.57	0.35	0.55	0.24	0.35	0.08		

Table HC5.6 Lighting in U.S. homes, by climate region, 2020

	C	Climate region ^b				
	Total U.S. ^ª	Very-cold/ Cold	Mixed-humid	Mixed-dry/ Hot-dry	Hot-humid	Marine
All homes	123.53	42.50	36.79	15.06	22.31	6.87
Type of outdoor light bulbs left on a night	11					
At least 1 outdoor light bulb	51.12	15.66	14.86	7.54	10.32	2.74
LED	33.26	10.43	9.32	5.09	6.61	1.81
CFL	8.39	2.52	2.47	1.25	1.64	0.51
Incandescent or halogen	13.62	3.71	4.43	1.74	3.08	0.66
No outdoor light bulbs	72.40	26.85	21.93	7.51	11.99	4.12

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 The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for *Very-cold/Cold*.

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 HC5.6 Lighting in U.S. homes, by climate region, 2020

Climate region ^b Very-cold/ Cold Mixed-tny/ Mixed-tnumid Mixed-tnumid All homes 0.00 0.54 0.77 1.23 0.69 Indoor light bulbs used at least 4 hours a day 0 0.54 0.77 1.23 0.69 0 to 2 1.21 2.20 2.03 3.10 2.68 3 to 5 1.27 2.48 2.75 4.77 4.41 6 to 9 1.80 3.07 3.41 5.38 4.60 10 to 19 2.26 3.50 3.93 7.45 5.54 20 or more 4.44 6.14 6.47 3.81 88 Incandescent or halogen bulbs used indoors 1.29 1.48 2.73 1.80 All bulbs are incandescent or halogen 3.27 6.68 5.39 14.30 7.34 Most bulbs are incandescent or halogen 1.03 1.79 1.85 3.76 2.57 No thalf of bulbs are fincandescent or halogen 1.03 1.79 1.85 3.76 2.57 Not bulbs are incand				ts						
Total U.S.* Cold Mixed-humid Hot-dry Hot-humid All homes 0.00 0.54 0.77 1.23 0.69 Indoor light bulbs used at least 4 hours a day 2 1.21 2.20 2.03 3.10 2.68 3 to 5 1.27 2.48 2.75 4.77 4.41 6 to 9 1.80 3.07 3.41 5.38 4.60 10 to 19 2.26 3.50 3.93 7.45 5.54 20 or more 4.44 6.14 6.647 13.81 8.88 Incandescent or halogen bulbs used indoors 1.29 1.48 2.73 1.80 All bulbs are incandescent or halogen bulb 0.70 1.29 1.48 2.73 1.80 All bulbs are incandescent or halogen 2.70 4.21 4.58 11.00 7.79 About half of bulbs are incandescent or halogen 1.03 1.79 1.85 3.76 2.57 No incandescent or halogen 1.03 1.79 1.85 3.76<		Climate region ^b								
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Indoor light bulbs used at least 4 hours a day 0 to 2 1.21 2.20 2.03 3.10 2.68 3 to 5 1.27 2.48 2.75 4.77 4.41 6 to 9 1.80 3.07 3.41 5.38 4.60 10 to 19 2.26 3.50 3.93 7.45 5.54 20 or more 4.44 6.14 6.47 13.81 8.88 Incandescent or halogen bulbs used indoors	Marine	Hot-humid	Hot-dry	Mixed-humid	Cold	Total U.S. ^ª				
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20 or more 4.44 6.14 6.47 13.81 8.88 Incandescent or halogen bulbs used indoors	7.65	4.60	5.38	3.41	3.07	1.80	6 to 9			
20 or more 4.44 6.14 6.47 13.81 8.88 Incandescent or halogen bulbs used indoors	9.27	5.54	7.45	3.93	3.50	2.26	10 to 19			
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All bulbs are LED1.333.013.075.063.67Most bulbs are LED1.482.132.494.473.66About half of bulbs are LED1.882.763.416.255.03Some bulbs are LED1.532.722.684.554.67No LED bulbs1.903.783.316.483.70							LED bulbs used indoors			
Most bulbs are LED1.482.132.494.473.66About half of bulbs are LED1.882.763.416.255.03Some bulbs are LED1.532.722.684.554.67No LED bulbs1.903.783.316.483.70	2.68	1.02	1.45	1.01	0.77	0.40	Yes, at least one LED bulb			
About half of bulbs are LED1.882.763.416.255.03Some bulbs are LED1.532.722.684.554.67No LED bulbs1.903.783.316.483.70	6.82	3.67	5.06	3.07	3.01	1.33	All bulbs are LED			
Some bulbs are LED 1.53 2.72 2.68 4.55 4.67 No LED bulbs 1.90 3.78 3.31 6.48 3.70	5.70	3.66	4.47	2.49	2.13	1.48	Most bulbs are LED			
No LED bulbs 1.90 3.78 3.31 6.48 3.70	9.09	5.03	6.25	3.41	2.76	1.88	About half of bulbs are LED			
No LED bulbs 1.90 3.78 3.31 6.48 3.70	7.94	4.67	4.55	2.68	2.72	1.53	Some bulbs are LED			
Outdoor light bulbs left on all night	10.76	3.70	6.48	3.31	3.78	1.90				
							Outdoor light bulbs left on all night			
None 0.66 1.05 1.42 2.70 1.88	4.19	1.88	2.70	1.42	1.05	0.66	None			
1 to 4 0.99 1.68 2.08 3.08 2.49	4.30	2.49	3.08	2.08	1.68	0.99	1 to 4			
5 to 9 4.74 7.87 8.45 12.28 12.47	17.60	12.47	12.28	8.45	7.87	4.74	5 to 9			
10 or more 6.76 13.29 11.79 19.49 16.81	36.18	16.81	19.49	11.79	13.29	6.76	10 or more			

Relative standard errors (RSEs) for Table HC5.6 Lighting in U.S. homes, by climate region, 2020

	_	Climate region ^b				
	Total U.S. ^ª	/Very-cold Cold	Mixed-humid	Mixed-dry/ Hot-dry	Hot-humid	Marine
All homes	0.00	0.54	0.77	1.23	0.69	2.39
Type of outdoor light bulbs left on all night						
At least 1 outdoor light bulb	0.93	1.51	2.09	2.52	2.18	4.19
LED	1.36	1.99	2.77	3.56	3.58	5.10
CFL	3.07	5.06	5.16	9.14	7.95	12.36
Incandescent or halogen	2.22	3.78	4.91	8.47	5.03	10.36
No outdoor light bulbs	0.66	1.05	1.42	2.70	1.88	4 10

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 The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for *Very-cold/Cold*.