

Table HC5.4 Lighting in U.S. homes, by number of household persons, 2024

| | Number of housing units (million) | | | | | |
|---|-----------------------------------|------------|-------------|---------------|--------------|----------------------|
| | Number of household members | | | | | |
| | Total U.S. ^a | One person | Two persons | Three persons | Four persons | Five or more persons |
| All homes | 132.54 | 43.74 | 43.87 | 18.84 | 14.60 | 11.50 |
| Number of indoor light bulbs used at least 4 hours a day | | | | | | |
| 0 to 2 | 53.97 | 21.81 | 17.35 | 6.37 | 4.73 | 3.70 |
| 3 to 5 | 33.41 | 11.18 | 11.25 | 4.86 | 3.69 | 2.43 |
| 6 to 9 | 23.91 | 6.59 | 8.35 | 3.89 | 2.85 | 2.22 |
| 10 to 19 | 16.79 | 3.37 | 5.74 | 2.95 | 2.60 | 2.14 |
| 20 or more | 4.46 | 0.78 | 1.18 | 0.77 | 0.72 | 1.00 |
| Incandescent or halogen bulbs used indoors | | | | | | |
| Yes, at least one incandescent or halogen bulb | 67.80 | 22.51 | 23.25 | 9.38 | 7.10 | 5.57 |
| All bulbs are incandescent or halogen | 7.03 | 2.80 | 2.03 | 0.86 | 0.66 | 0.68 |
| Most bulbs are incandescent or halogen | 6.84 | 2.70 | 2.05 | 0.91 | 0.59 | 0.58 |
| About half of bulbs are incandescent or halogen | 7.99 | 2.58 | 2.84 | 0.88 | 0.99 | 0.70 |
| Some bulbs are incandescent or halogen | 45.95 | 14.42 | 16.33 | 6.74 | 4.85 | 3.61 |
| No incandescent or halogen bulbs | 64.73 | 21.23 | 20.62 | 9.46 | 7.49 | 5.93 |
| CFL bulbs used indoors | | | | | | |
| Yes, at least one CFL bulb | 59.35 | 19.16 | 19.82 | 8.71 | 6.67 | 5.00 |
| All bulbs are CFL | 3.22 | 1.21 | 0.95 | 0.40 | 0.34 | 0.33 |
| Most bulbs are CFL | 6.12 | 2.10 | 1.71 | 0.91 | 0.77 | 0.63 |
| About half of bulbs are CFL | 8.04 | 2.69 | 2.59 | 1.23 | 0.89 | 0.64 |
| Some bulbs are CFL | 41.97 | 13.17 | 14.56 | 6.16 | 4.68 | 3.40 |
| No CFL bulbs | 73.18 | 24.58 | 24.05 | 10.13 | 7.93 | 6.49 |
| LED bulbs used indoors | | | | | | |
| Yes, at least one LED bulb | 118.89 | 38.36 | 39.84 | 17.11 | 13.28 | 10.29 |
| All bulbs are LED | 48.71 | 15.82 | 15.62 | 7.26 | 5.61 | 4.40 |
| Most bulbs are LED | 34.27 | 10.21 | 11.89 | 5.06 | 4.14 | 2.96 |
| About half of bulbs are LED | 16.16 | 5.32 | 5.47 | 2.17 | 1.80 | 1.40 |
| Some bulbs are LED | 19.76 | 7.02 | 6.87 | 2.63 | 1.72 | 1.53 |
| No LED bulbs | 13.65 | 5.38 | 4.02 | 1.72 | 1.32 | 1.21 |
| Outdoor light bulbs left on all night | | | | | | |
| None | 75.02 | 27.98 | 25.08 | 9.55 | 7.07 | 5.34 |
| 1 to 4 | 49.46 | 14.14 | 15.83 | 7.96 | 6.42 | 5.11 |
| 5 to 9 | 6.16 | 1.23 | 2.25 | 0.98 | 0.88 | 0.82 |
| 10 or more | 1.89 | 0.39 | 0.72 | 0.34 | 0.22 | 0.22 |

Table HC5.4 Lighting in U.S. homes, by number of household persons, 2024

| | Number of housing units (million) | | | | | |
|--|-----------------------------------|------------|-------------|---------------|--------------|----------------------|
| | Number of household members | | | | | |
| | Total U.S. ^a | One person | Two persons | Three persons | Four persons | Five or more persons |
| All homes | 132.54 | 43.74 | 43.87 | 18.84 | 14.60 | 11.50 |
| Type of outdoor light bulbs left on all night | | | | | | |
| At least one outdoor light bulb | 57.52 | 15.76 | 18.79 | 9.29 | 7.52 | 6.15 |
| LED | 44.22 | 11.66 | 14.24 | 7.24 | 6.19 | 4.89 |
| CFL | 6.19 | 1.88 | 1.91 | 1.03 | 0.70 | 0.67 |
| Incandescent or halogen | 11.34 | 3.22 | 3.96 | 1.76 | 1.22 | 1.17 |
| No outdoor light bulbs | 75.02 | 27.98 | 25.08 | 9.55 | 7.07 | 5.34 |

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 HC5.4 Lighting in U.S. homes, by number of household persons, 2024

RSEs for number of housing units

| | Number of household members | | | | | |
|---|-----------------------------|------------|-------------|---------------|--------------|----------------------|
| | Total U.S. ^a | One person | Two persons | Three persons | Four persons | Five or more persons |
| All homes | P | 1.43 | 1.14 | 2.56 | 2.47 | 3.12 |
| Number of indoor light bulbs used at least 4 hours a day | | | | | | |
| 0 to 2 | 1.13 | 2.41 | 2.33 | 4.47 | 5.45 | 5.81 |
| 3 to 5 | 1.40 | 3.13 | 2.97 | 4.45 | 5.21 | 8.13 |
| 6 to 9 | 2.36 | 4.05 | 3.08 | 5.72 | 6.75 | 7.19 |
| 10 to 19 | 2.37 | 4.84 | 4.48 | 5.86 | 6.93 | 7.29 |
| 20 or more | 4.29 | 12.97 | 8.04 | 11.08 | 11.31 | 10.12 |
| Incandescent or halogen bulbs used indoors | | | | | | |
| Yes, at least one incandescent or halogen bulb | 0.78 | 2.00 | 1.86 | 3.67 | 3.93 | 4.26 |
| All bulbs are incandescent or halogen | 3.44 | 6.59 | 6.93 | 10.38 | 13.17 | 12.45 |
| Most bulbs are incandescent or halogen | 3.94 | 6.41 | 7.80 | 10.55 | 13.25 | 14.01 |
| About half of bulbs are incandescent or halogen | 4.02 | 6.37 | 5.79 | 11.51 | 10.45 | 12.24 |
| Some bulbs are incandescent or halogen | 1.19 | 2.55 | 2.54 | 3.84 | 4.54 | 5.15 |
| No incandescent or halogen bulbs | 0.82 | 2.10 | 2.29 | 3.48 | 3.41 | 4.29 |
| CFL bulbs used indoors | | | | | | |
| Yes, at least one CFL bulb | 0.94 | 2.62 | 2.06 | 3.68 | 3.96 | 4.78 |
| All bulbs are CFL | 6.98 | 11.03 | 14.52 | 15.86 | 18.16 | 21.21 |
| Most bulbs are CFL | 3.83 | 7.69 | 7.74 | 12.08 | 13.54 | 15.39 |
| About half of bulbs are CFL | 3.68 | 6.21 | 7.41 | 9.00 | 10.82 | 11.68 |
| Some bulbs are CFL | 1.45 | 3.23 | 2.70 | 4.08 | 4.24 | 4.86 |
| No CFL bulbs | 0.76 | 1.84 | 1.78 | 3.49 | 3.42 | 3.96 |
| LED bulbs used indoors | | | | | | |
| Yes, at least one LED bulb | 0.28 | 1.44 | 1.34 | 2.69 | 2.32 | 3.26 |
| All bulbs are LED | 0.99 | 2.38 | 2.30 | 4.03 | 3.94 | 5.55 |
| Most bulbs are LED | 1.49 | 3.22 | 2.92 | 4.40 | 4.82 | 5.67 |
| About half of bulbs are LED | 2.35 | 4.74 | 4.74 | 8.49 | 7.91 | 10.16 |
| Some bulbs are LED | 1.92 | 3.49 | 3.76 | 7.98 | 7.92 | 9.82 |
| No LED bulbs | 2.40 | 5.04 | 5.41 | 7.56 | 9.64 | 9.07 |
| Outdoor light bulbs left on all night | | | | | | |
| None | 0.79 | 1.85 | 1.72 | 3.89 | 3.94 | 5.22 |
| 1 to 4 | 1.30 | 2.54 | 2.86 | 3.34 | 4.12 | 4.33 |
| 5 to 9 | 3.36 | 9.23 | 7.15 | 9.54 | 10.01 | 12.22 |
| 10 or more | 8.07 | 19.26 | 13.01 | 16.58 | 19.37 | 24.19 |

Preliminary data release date: March 2026

Relative standard errors (RSEs) for Table HC5.4 Lighting in U.S. homes, by number of household persons, 2024

RSEs for number of housing units

| | Number of household members | | | | | |
|--|-----------------------------|------------|-------------|---------------|--------------|----------------------|
| | Total U.S. ^a | One person | Two persons | Three persons | Four persons | Five or more persons |
| All homes | P | 1.43 | 1.14 | 2.56 | 2.47 | 3.12 |
| Type of outdoor light bulbs left on all night | | | | | | |
| At least one outdoor light bulb | 1.04 | 2.52 | 2.29 | 3.16 | 3.56 | 4.30 |
| LED | 1.27 | 2.95 | 2.69 | 3.67 | 3.65 | 4.75 |
| CFL | 4.46 | 8.83 | 7.31 | 12.34 | 11.66 | 12.84 |
| Incandescent or halogen | 2.85 | 5.81 | 5.43 | 7.63 | 9.90 | 9.93 |
| No outdoor light bulbs | 0.79 | 1.85 | 1.72 | 3.89 | 3.94 | 5.22 |

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.