

THE BRIGHT CHOICE: RENOVATE WITH ENERGY STAR[®] LED LIGHTING

The simple
choice for
energy
efficiency.



Are you planning a home renovation? Look for ENERGY STAR certified LED lighting to enhance your new home design, save money on your energy bills, and help protect the climate!

Why buy ENERGY STAR certified LED bulbs and fixtures?

- Use 70-90% less energy than standard bulbs
- Provide the same brightness (lumens) with less energy (watts)
- Last at least 15 times longer than standard bulbs
- Variety of shapes and sizes to fit your renovation needs
- Help protect the environment and prevent climate change
- Independently certified and extensively tested to assure quality, performance, and promised energy savings



What are the features of ENERGY STAR certified LED bulbs and fixtures?

\$ Lifetime Savings

Replacing your home's five most frequently used bulbs or light fixtures with ones that have earned the ENERGY STAR can save about \$40 each year. ENERGY STAR certified ceiling fans with lights are 60% more efficient than standard models and can save you \$180 in energy costs over the fan's lifetime. Plus, many utilities offer rebates on certified bulbs or fixtures.

+ Dimming Capability

If you're looking for dimmable lighting, make sure to install dimmer switches that are compatible with LED lights. ENERGY STAR bulbs and fixtures provide dimming capability and compatibility information right on the package. Learn more at energystar.gov/dimmable.

Color

To earn the ENERGY STAR, LED lighting must meet six different requirements to ensure quality light color. (Improperly designed LED products can degrade over time). You can also choose from different shades of white light, allowing you to customize the feel of your space. Available shades range from a soft, warm glow that matches traditional lighting to a whiter, crisper light for activities like reading or projects. Choose the **light appearance number** that fits your needs (e.g. 2700K for soft, warm and 4100K+ for whiter, crisper shades). Make sure to select the same shades for lights sharing the same space.

| Lighting Facts Per Bulb | |
|--|-----------------|
| Brightness | 870 lumens |
| Estimated Yearly Energy Cost | \$1.26 |
| Based on 3 hrs/day, 11¢/kWh Cost depends on rates and use | |
| Life | 15,000 hrs |
| Based on 3 hrs/day | |
| Light Appearance | Warm ————— Cool |
| | 2700 K |
| Energy Used | 9 watts |

Go to energystar.gov/LED for more information.

ENERGY STAR LED Lighting for the kitchen

Below, you'll see a range of ENERGY STAR certified fixtures to help you create the ambiance you want, while properly displaying the natural colors of foods and providing you with the work light you need.

A Under-Cabinet Lighting

Under-cabinet lighting provides direct illumination of kitchen work surfaces. Most fixtures are out of sight and positioned to minimize shadowing. ENERGY STAR under-cabinet LED fixtures use thin designs that only use a small fraction of the electricity of halogen or xenon bulbs and last much longer. They also direct the light right onto your work surface so you can clearly see what's on your counter.

B Recessed Ceiling Lighting

ENERGY STAR certified recessed ceiling fixtures provide excellent quality lighting that lasts. If you are installing cans from scratch consider fully integrated ENERGY STAR recessed can fixtures, they are optimized for the technology and fixture application. If you already have cans installed, look for ENERGY STAR certified

retrofit kits or reflector style bulbs. To earn the ENERGY STAR, these products must be tested to ensure they perform well inside a can.

C Pendant Fixtures

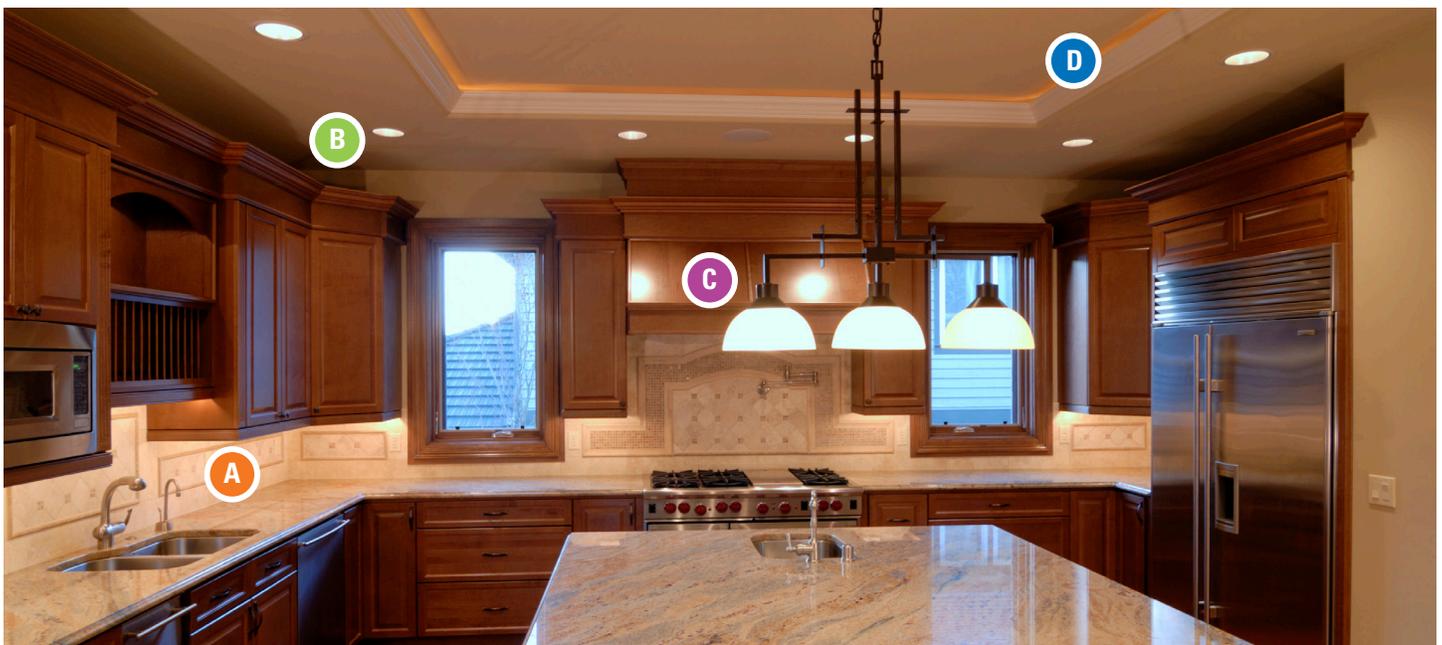
Hang pendant fixtures over high-use areas, like a table or breakfast nook. To control glare, hang lamps above standing eye-level height. To minimize shadows, avoid locating hanging fixtures too near cabinets or behind where a person might stand.

D Architectural Lighting

For significant renovations, talk to your builder or contractor about light fixtures that blend into your home's architecture. Cove fixtures can be built into spaces above cabinets, into exposed beams, or behind decorative valances to create exactly the effect you want, with excellent energy efficiency.

● Ceiling Fixtures

Traditional ceiling fixtures provide general, indirect lighting from a central location. Complement these light sources with task lighting that targets high-use areas like countertops or sinks.



ENERGY STAR is the simple choice for energy efficiency. For more than 20 years, people across America have looked to EPA's Energy Star program for guidance on how to save energy, save money, and protect the environment. Join the millions who are already making a difference at www.energystar.gov.