

Five key LED performance benefits

LEDs offer numerous advantages over conventional lighting, making them a sound choice for a lighting upgrade at your facility. Here are five big benefits that set LEDs apart:

1. LONG LIFE

Often rated at a life of more than 50,000 hours, LEDs can outlast incandescents, fluorescents and high-intensity discharge (HID) lamps. This long lifespan reduces replacement and maintenance, which is especially important when accessing and maintaining the lights is difficult and costly, as with high-bay lighting, outdoor lighting or cold-temperature environments.

2. DURABILITY

Because they don't have filaments or glass enclosures, LEDs resist vibration, making them useful for lighting near industrial equipment or outdoor areas. LEDs also don't break easily, thanks to their solid-state materials.

3. DIRECTIONALITY

LEDs emit light in a single direction, unlike most other light sources that emit light in all directions. This is due to their physical characteristics and flat surface mounting. For applications such as task and display lighting, this helps to deliver more light where it is needed while using less energy.

4. INSTANT STARTUP

LED lamps start almost instantaneously and have no restrike delay time. Most fluorescent lamps have a short delay before coming to full brightness. HID lamps have an even longer warm-up time, often more than 10 minutes – and they have a restrike time delay. That means they must be allowed to cool before being turned on again. LEDs' instant-on nature can be useful for security purposes and with lighting controls.

5. NO MERCURY

Fluorescent and HID lights require a small amount of mercury, a hazardous substance, to operate. LEDs contain zero mercury, increasing their safety and making disposal easier.

In addition to installing LEDs inside your facility, consider upgrading your exterior lighting, too. These five benefits make LEDs ideal for outdoor security lighting applications.

**Upgrade to LEDs and take advantage of their performance benefits at your facility.
Contact your account manager, call 1-800-787-1706, or email efficiency@nationalgrid.com.**