

# LED lighting

## Energy efficiency and excellent light quality

**Light emitting diode (LED) lighting has improved greatly in recent years. You can now get warm, bright LED lights that are as good as – or even better than – halogen lights, while consuming up to 90% less energy.**

LEDs offer a very efficient alternative to standard halogen downlighters. They're available in a range of colours from warm white to red, many are dimmable and you can find colour-change bulbs.

Besides downlighters, LED lighting comes in a variety of shapes for a range of fixtures, including traditionally-shaped bulbs with Edison screw and bayonet fittings. These provide a great alternative to Compact Fluorescent Lamp (CFL) bulbs.

LED lighting does have some drawbacks: good quality lamps are more expensive; you might need to install new transformers for 12V halogen systems; and they are not always dimmable. But the cost keeps falling and the technology is constantly improving.

### Six reasons to switch to LEDs

- They use less electricity
- give off less heat, meaning a lower fire risk
- are very robust and have a long lifespan
- don't need to warm up, so provide instant light
- do not contain mercury or phosphorus like CFLs
- ...and can be more easily recycled than CFLs.

### Where to use LEDs

LED lighting is ideal for these spaces in your establishment:

- Entrances and corridors requiring over six hours of lighting
- Bar areas and drink display cabinets
- Pool areas
- Retail spaces
- Reading lights in rooms
- Washrooms and toilets
- Kitchens and back-of-house.

**Did you know? LED bulbs are even more efficient than CFL bulbs, with the lowest wattage at 1.2W**

**LEDs have a lifespan of up to 40,000 hrs = over 13 years at 8 hours of use a day**

**The latest LED lamps use up to 90% less energy than halogens**

### Suppliers

You'll find suppliers of LED lighting in our online green directory. Many have exclusive offers for Green Tourism members.

[www.green-tourism.com](http://www.green-tourism.com)



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