

FAQ

What is the typical life of a ccfl lamp?

A: The typical rated life of a CCFL backlight is 20,000 to 40,000 hours, however when used in LCD applications such as laptops you should expect between 1.5 and 3 years of use from most manufacturers. We manufacture Premium CCFL lamps with a much higher life expectancy. Our standard lamps are rated at 50,000 hours of usage.

Are CCFL lamps dimmable?

Firstly, ccfl technology is ultra energy-efficient..... that is it can save more than 80% in energy costs over traditional incandescent lighting. This is because it can be dimmed smoothly and works well with sensors, photocells, timers and intelligent control. these unique characteristics allow the user to have full control over balancing daylight and artificial lighting in their environment in order to customize their lighting needs.

How do CCFLs radiate light?

The principle of radiation of CCFL is similar to HCFL.

But the method for discharging electricity is different.

HCFL discharges an electron from an electrode by the application of heat, using a filament.

CCFL discharges an electron from an electrode without the application of heat.

When power is turned on and off, the life of an HCFL lamp decreases, because the emitter – the filament - is consumed. CCFL is different. The electrode does not deteriorate when the power is turned on and off; that is what gives CCFL its very long life, compared to traditional HCFL fluorescent lamps.

What advantages does CCFL have?

1. CCFL technology has a lifetime of more than 40,000 hours (6 times the life of a standard fluorescent bulb) and can be even longer than LED.
2. CCFL reduces electricity costs by 40% - 65% when compared with the common fluorescent lamps.
3. Not only is the power cost lower, but because product life is so long, there are maintenance and replacement savings, especially in large facilities.
4. CCFL generates even less heat than Fluorescents or LEDs. Air conditioning costs are reduced, and environments sensitive to combustion are much safer.
5. CCFL's efficiency makes it a carbon-friendly alternative.
6. CCFL can be turned on and off many times without reducing its life expectancy, making it especially ideal for facilities with automated or sensed lighting..
7. Due to CCFL discharges few ultraviolet rays, it is not as prone to attracting insects.

What is CCFL made of?

CCFL is made from tempered glass.

CCFL contains much less mercury, a toxic pollutant, than fluorescent lamps. HCFLs contain

about 15mmg, while CCFLs contain less than 3 mmg.

CCFL is RoHS compliant, while traditional fluorescent has a very high disposal/recycling cost.

What is the quality of CCFL light?

Unlike traditional fluorescent lighting, CCFL does not flicker. It turns on instantly, even in cold environments, and emits a range of light that is eye-friendly. It doesn't cause headaches, eyestrain, and depression often reported by traditional fluorescent users.

****UV and IR Radiation**

Because CCFL doesn't emit ultraviolet rays and infrared rays like traditional lighting, it doesn't affect clothing and paper color or produce fading like other technologies.

Can CCFL tube lights be used with existing electronic ballasts?

There are some differences in circuit design and input/output voltage, so CCFL tubes do require a specialized electronic ballast. But these are available for a very reasonable cost.

Which is better CCFL or LED?

Affordable, used in the same environment, the range of normal energy-saving lamps and LED energy saving lights between; than ordinary saving your points cheaper than the LED energy-saving lamps