

The fluorescent lamp phase out

Some types of fluorescent lamps are set to be phased out in the UK, presenting British businesses with a forced but timely opportunity to consider the long-term energy cost, efficiency, and quality of their lighting.

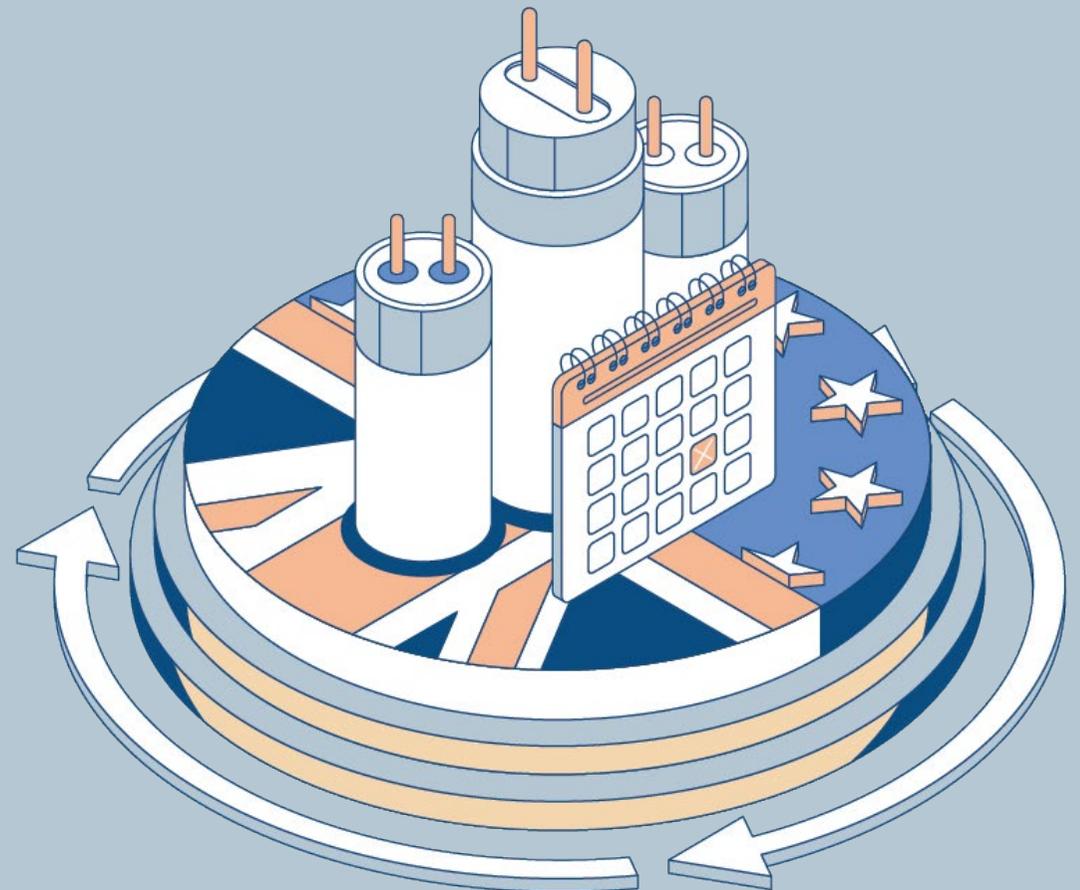
Changing EU Legislation

The EU has undoubtedly taken the lead on fluorescent lighting, with some fluorescent lamps being phased out through the SLR Ecodesign Regulation (EU) 2019/2020 because they do not meet efficiency requirements - T12 fluorescent lamps were phased out through this ruling in 2021.

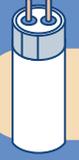
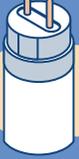
Other fluorescent lamps will be phased out through the EU's Restriction of Hazardous Substances (RoHS) directive 2011/65/EU, which aims to restrict the use of specific hazardous substances such as mercury.

What about GB?

In terms of the GB market (England, Scotland and Wales) the UK government is broadly following the EU's position on all fluorescent lamps, but there are slightly different timescales in some instances. For example, T5 lamps can no longer be placed on the GB market from the 1st February 2024, a timeframe roughly six months later than the EU.



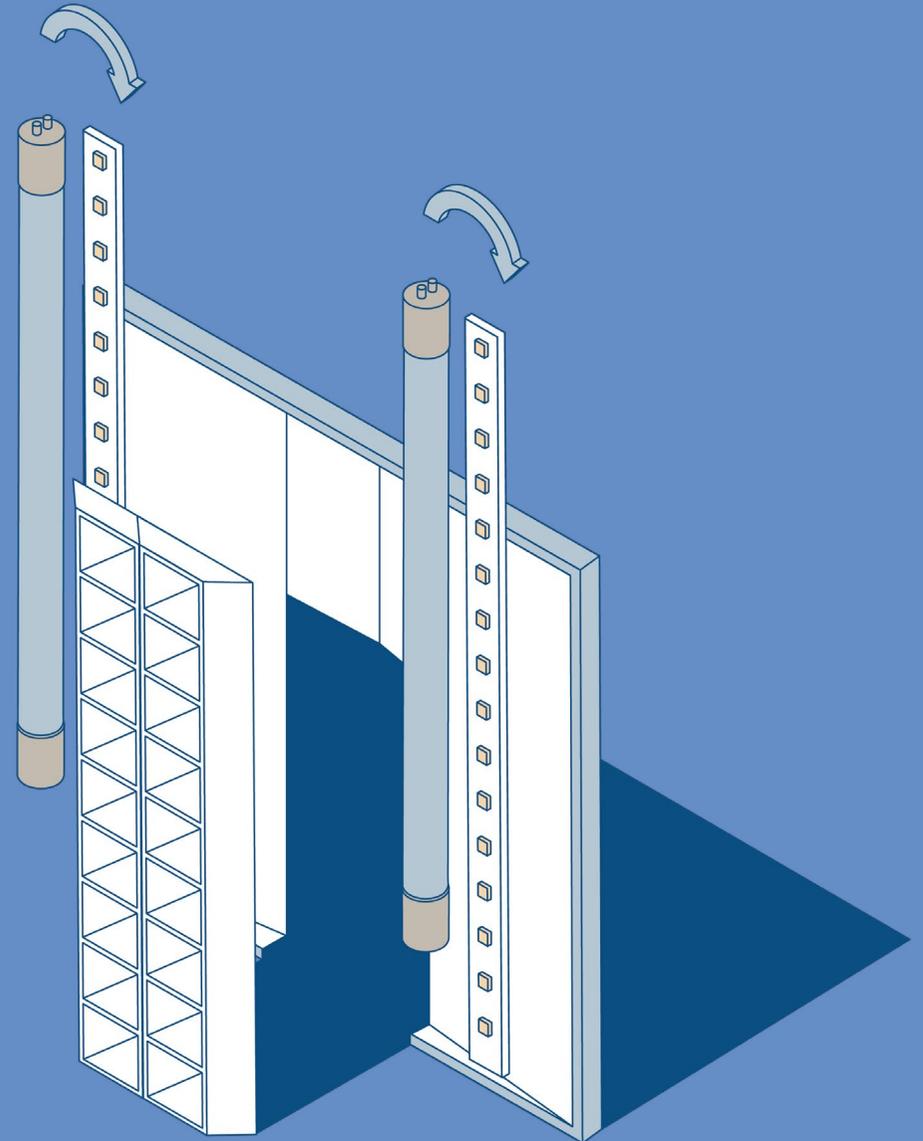
The following lamp types, most common to Whitecroft products, will not be placed on the market in the EU and GB (England, Scotland and Wales):

LAMP TYPE	EU	GB
 CFLni Non-Integrated	24 Feb 2023 RoHS	1 Feb 2024 RoHS
 CFLni Long Life <30W >20,000h	24 Aug 2023 RoHS	1 Feb 2024 RoHS
 T5	24 Aug 2023 RoHS	1 Feb 2024 RoHS
 T8 2' 4' 8'	24 Aug 2023 RoHS	1 Sept 2023 Eco-design
 T5/T8 Long Life >25,000h	24 Feb 2023 RoHS	1 Feb 2024 Eco-design



If you have fluorescent lamps what are your options?

While the fluorescent lamps can continue to be used until stock is exhausted, it is best to look at alternatives and to understand what the various options would mean. These are: don't change, compromise, upgrade and replace.

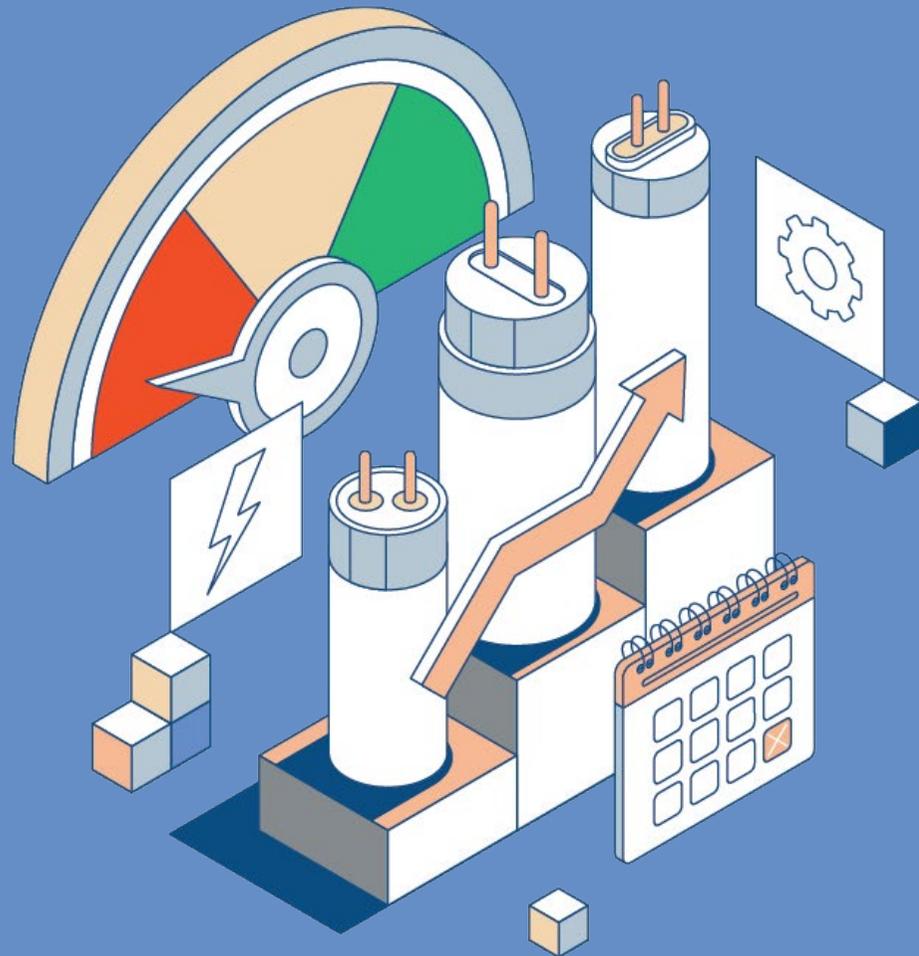


Don't change and continue using fluorescent lamps

The main challenge with continuing to purchase T5 lamps is that sourcing lamps and luminaire components will become harder over time.

Some inverter and control gear production has started to be phased out, so if your control gear were to fail, your T5 fluorescent lamps would no longer be viable. If you choose to continue using fluorescent lamps, you must consider the following:

- There will be limited lamp stock availability.
- Fluorescent lamps are likely to increase in cost.
- Access to luminaire components will become a challenge.
- Some inverter and control gear production has started to be phased out.
- Energy, facilities management and maintenance costs will continue to increase.



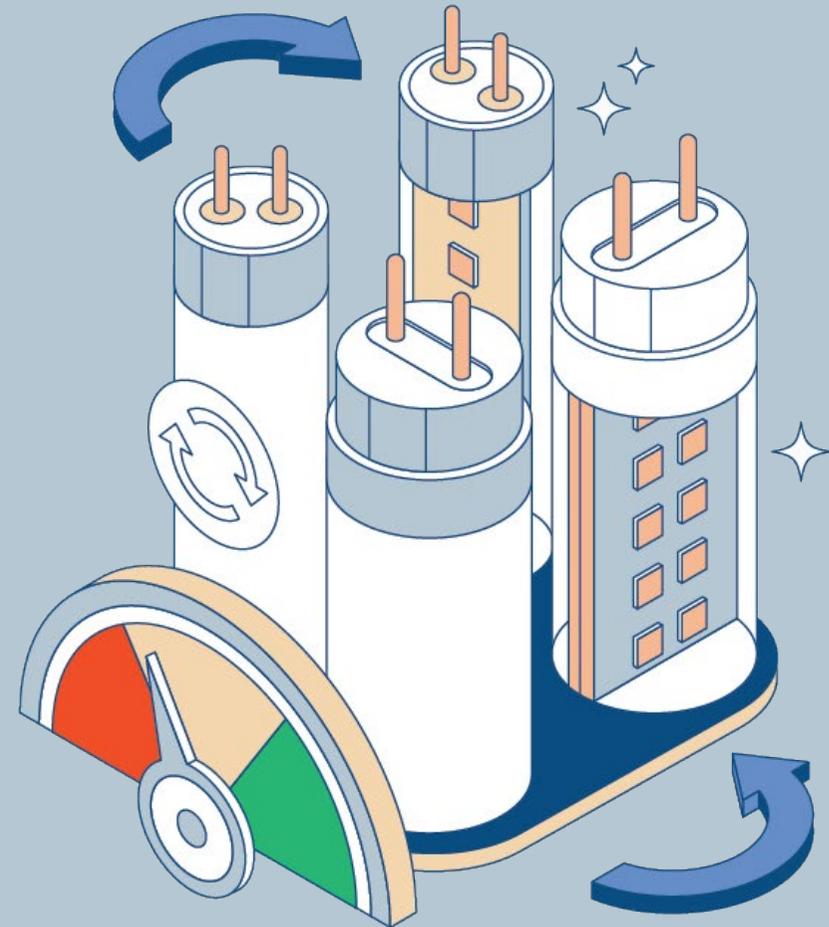
Compromise and get LED replacement lamps

A temptation might be to retain the fluorescent lamp fitting and replace just the fluorescent tube with an LED equivalent. Although this could feel like a viable compromise it is not without its risks.

The use of replacement LED tubes may require adaptation of the internal wiring of the luminaire to ensure correct operation. Safety testing would be recommended in-line with BS60598 otherwise your general and emergency lighting may no longer be safety compliant.

You would also need to ensure that the lighting design requirements are still met for both general and emergency lighting.

LED replacement lamps are 20-30% less energy efficient; adapted LED tubes will have shorter lifetimes and often offer shorter warranties, creating the need for increased replacement and disposal versus a new LED fitting.

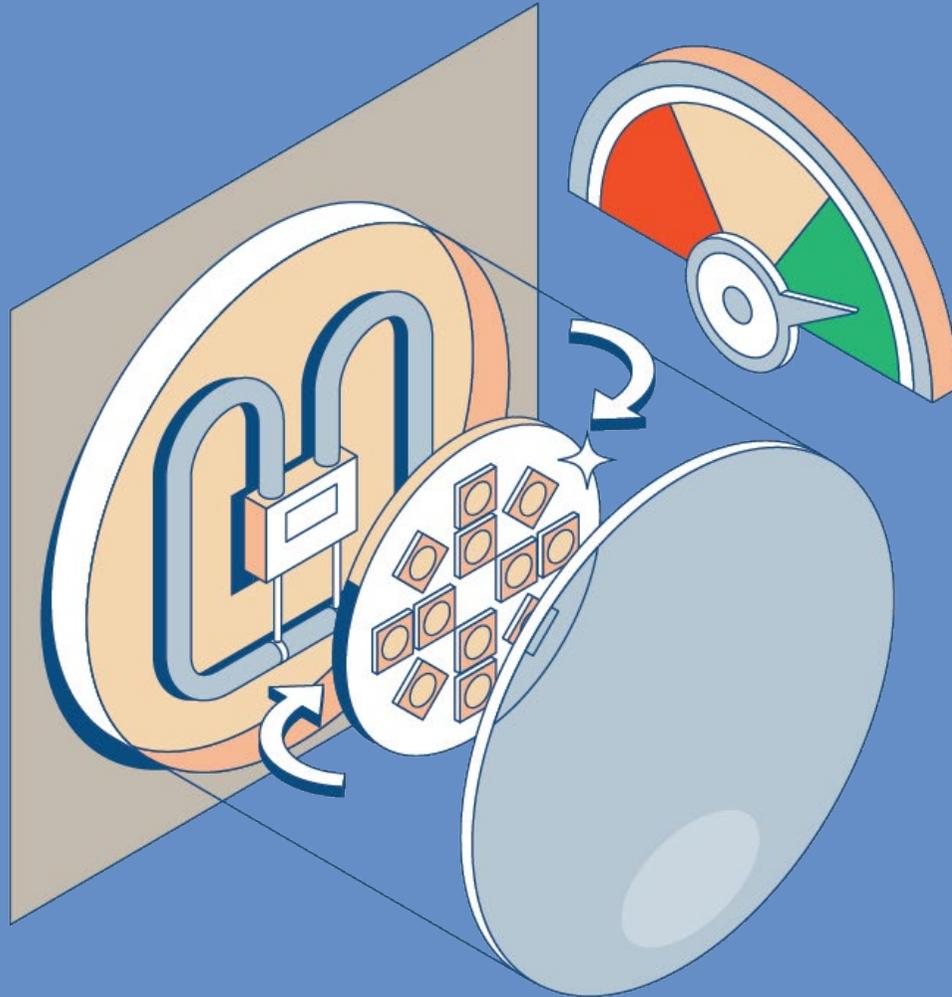


Upgrade and replace fluorescent lighting with LED

When factoring in the future availability, safety, and energy efficiency considerations, now is probably the right time to replace fluorescent lighting with LED.

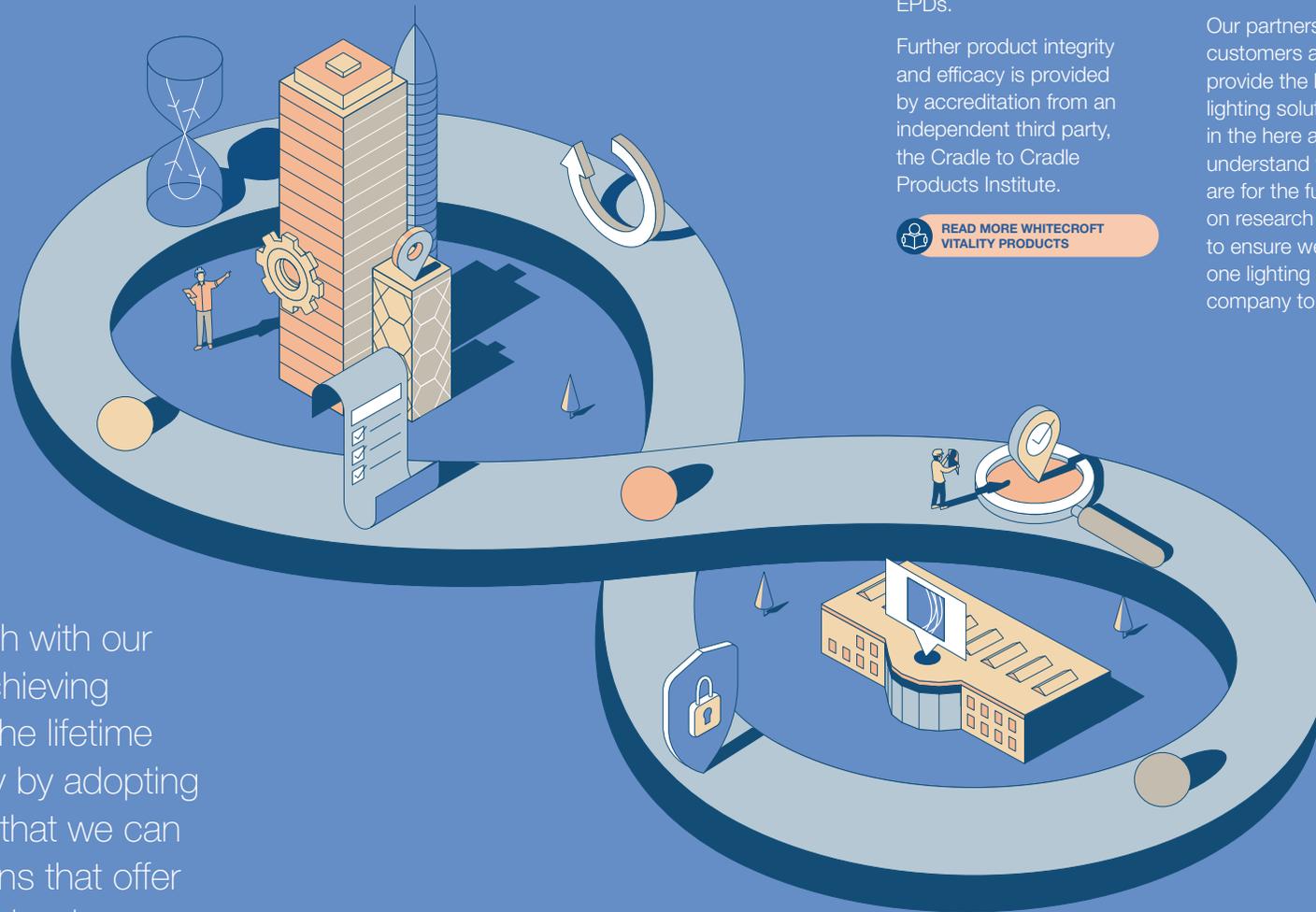
With the cost of energy so high, we calculate that the electricity savings alone could typically deliver a return on your organisation's investment in just three years, while operational efficiencies will also reduce carbon output.

To further future-proof your replacement LEDs, you may wish to consider Whitecroft's Vitality range of modular lighting products which incorporate modular or replaceable units that make it easier and more cost effective to upgrade your lighting in the future, while our Vitality Relight approach will evaluate how to repurpose as much of your existing lighting infrastructure.



Your partner on projects targeting net zero

A partnership approach with our customers is key in achieving sustainability through the lifetime of the building. It's only by adopting a continued dialogue, that we can provide lighting solutions that offer commercial benefit and reduce carbon impacts on the environment.



It's by engaging in a meaningful way that we have developed our approach to circularity and a service for existing buildings undergoing regeneration and decarbonisation.

Whitecroft Vitality products are designed for the circular economy. They are modular, upgradeable and designed to last using high quality components. In addition, they come with complete data transparency in the form of material health EPDs.

Further product integrity and efficacy is provided by accreditation from an independent third party, the Cradle to Cradle Products Institute.

[READ MORE WHITECROFT VITALITY PRODUCTS](#)

Vitality Relight is a service for existing buildings that offers the opportunity to make significant operational savings as well as conserving the original embodied carbon associated with the building's construction.

[READ MORE VITALITY RELIGHT SOLUTION](#)

Our partnerships with our customers aren't only to provide the best possible lighting solutions and support in the here and now, but to understand what their needs are for the future and to embark on research and development to ensure we are the number one lighting and controls company to meet those needs.

Whitecroft Lighting

A leading light in Sustainability

In recent years, Whitecroft Lighting has been at the forefront of sustainability and circularity in UK commercial lighting, leading the market in the development of products that minimise the use of material and promote reusability through replaceable modular hardware.



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