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From August 23. in 2023, it will no longer be allowed to make turnover on fluorescent tubes in the EU according to the so-called RoHS directive concerning hazardous substances in electric and electronic equipment.

This means, that existing fluorescent tubes will become difficult to replace and that the demand for new LED luminaries will rise at a time when the balance between supply and demand and the supply chains are already challenged.

If companies and organizations shall ensure the transition from fluorescent tubes to LED, action is required now. Government agencies recommend companies and public organizations an instant change to LED to save money.

“We encourage companies to contact their supplier and change to LED as soon as possible,” says specialist consultant at the Danish Energy Agency, Thore Stenfeldt.

In Chromaviso, we add that when the opportunity arises for a major replacement, as it does now, it is a unique possibility to choose a health-promoting and long-lasting solution, that entails both energy savings, less maintenance, and better health.

At Chromaviso, we have a great experience with both large and small lighting projects within the health sector, with installations at more than 130 hospitals across Scandinavia. We are behind more than 3,000 installations with our two Health-Promoting Lighting Concepts:

**Chroma Zona Ergonomic Lighting;** For surgical operations, diagnostic imaging, endoscopy, and scanning

**Chroma Zenit Circadian Lighting;** For rehabilitation, recovery, intensive care, geriatrics, neonatal, maternity wards, psychiatry, and nursing homes

## The LED quality defines the energy savings

Within the recent couple of years, LED technology has gone through major developments, and now LEDs have the capability to deliver vast amounts of light with high energy efficiency. A report from Elforsk however, shows that there are substantial differences in energy savings depending on which type of LED you choose. According to the report, which uses energy calculations from the Psychiatric Center of Copenhagen at the Danish National Hospital, the energy savings gained by changing from fluorescent tubes to ordinary LED luminaries varies between 18-58%.

This highlights that it is not enough, merely to change to LED and hope for a major profit. Instead, choosing the right type of LED is essential to obtain the desired results and at the same time get good quality lighting. The energy calculation in the report also showed that using dynamic lighting from Chromaviso, reduced the energy consumption by 67% compared to existing fluorescent tubes – a massive improvement.



## Advantages for Chromaviso LED compared to fluorescent tubes

- LED is cheaper in electricity. An investment in Chromaviso LED entails energy savings of up to 67%.
- LED has a longer lifespan. A fluorescent tube typically lasts for 10-20,000 hours compared to Chromaviso LED which typically lasts for more than 100,000 hours.
- LED, with the right optics, gives better lighting. By changing from fluorescent tubes to Chromaviso LED, the light quality is improved.
- LED is a better choice for the environment. LED lighting has a lower climate impact and does not contain mercury.



# Facts about the prohibition

- T5 and T8 fluorescent tubes will be phased out and cannot be distributed on the market from 23 august 2023.
- The prohibition occurs due to the content of mercury in the fluorescent tubes, that until the cut-off date, is covered by an exception in the RoHS directive.
- Stores may sell the fluorescent tubes until they are out of stock, after which they cannot be purchased anymore.
- Examples of buildings with widespread use of fluorescent tubes are office- and service companies, agriculture, production, warehouses, stores, schools, institutions, nursing homes, and hospitals.
- Until 2023 it is estimated that the phase-out of T5 and T8 will save the EU countries for
  - approx. 7,45 billion euros in light bulbs, energy, and luminaries.
  - approx. 2,9 tons of mercury derivation.

Please, send your project plans and let us present an offer for a Turnkey solution with both project planning, luminaries, lighting controls, and implementation. All technical components are of the best quality for a complete, health-promoting lighting solution with long warranty, low energy consumption, and optimum uptime.

## Contact us



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