

Fagerhult's new dual driver powers two luminaires simultaneously — and has 49 % lower overall climate impact

10 months ago



[Fagerhult](#)'s innovative Twin Dual Driver powers two luminaires with up to 4.8 meters between them. By streamlining the electronics and the product's material composition, the driver's total environmental impact is reduced by 49 percent while maintaining safety and making installation and product use easier.

With every LED luminaire comes electronics — in the shape of a driver that handles/converts voltage into suitable electricity and maintains safety. This part of the product leaves a significant environmental footprint. Unlike luminaires, which at Fagerhult have continuously been improved to meet high quality and sustainability standards, drivers have not evolved or enhanced at the same pace. Fagerhult now address this with Twin Dual Driver.

"Over the years, we have seen one Fagerhult luminaire after the other become meticulously refined, more efficient, lighter, smarter, and made with better materials. But the electronics didn't evolve at the same pace. We asked ourselves: could we make a change here?" says Lars Eriksson, Product and Application Manager.

With innovation and sustainability as driving forces, Twin Dual Driver enables more efficient and environmentally friendly use of drivers. With streamlined electronics, recycled post-consumer plastic in housing – and a 49% overall reduction of CO₂e (when comparing EPDs, GWP Fossil A1-A3: Twin Dual Driver and two drivers with equivalent functionality).

"Twin results from a few years of hard work, some twists and turns, and a close collaboration with our Finnish supplier Helvar. And now we are standing at the finish line — and the starting point of something

new: more efficient drivers, easier installations and less CO2e. It's the definition of a win-win situation. Both the installer and the environment will benefit from it." says Kenneth Rudenbrandt, Technical Product Manager.

Twin Dual Driver enables quicker installations – with fewer luminaires – in large-scale applications and spacious facilities. It comes with cable lengths up to 3 meters, and is equipped with a Quick Connection System that allows tilting of the primary side connection and easier installation in low or narrow ceiling spaces.

Synchronised lighting control and safety first

Twin Dual Driver is compatible with the light control system Organic Response. This enables synchronised control of the two luminaires, seamless system integration, and enhanced functionality. As two luminaires are controlled via the same DALI address, each DALI system can double its size compared to the number when using single drivers.

Twin Dual Driver is compliant with several of our product families. The most efficient combination available is using two Multilume Re:Think luminaires together with Organic Response lighting control.