



THE TRILUX CHECKLIST

POTENTIALS AND CHALLENGES OF LED REFURBISHMENT

<https://www.trilux.com/lighting-renovation/>

SWITCH NOW. SAVE ENERGY.

LED RENOVATION CHECKLIST

Due to high energy costs, new legal requirements (T5/T8 lamp ban, RoHS Directive) and ambitious sustainability targets, the LED refurbishment of outdated existing lighting is more and more urgent and worthwhile. But what is the best solution? Retrofit, a 1:1 LED refurbishment or the full program with lighting management and IoT interfaces?

✓ **RETROFIT** LITTLE TO DO, MUCH TO CONSIDER

The promise sounds too good to be true: During a retrofit renovation, the outdated illuminant is simply exchanged for LED solutions with a suitable socket. Socket and wiring of existing lighting will continue to be used. Done. But be careful: In practice a retrofit renovation involves a whole bundle of questions, starting with the liability problem and ending with the occupational health and safety requirements, which often cannot be met after a retrofit.

TIP: We have compiled everything you need to know about retrofit refurbishment in a small retrofit checklist for you.

TO THE RETROFIT CHECKLIST

✓ **RECONSTRUCTION** THE FASTEST AND EASIEST WAY

In contrast to a retrofit refurbishment, a true 1:1 LED refurbishment does not only replace the lamps, but the entire luminaire, socket included. With a suitable refurbishment solution, luminous flux and beam characteristics can be identical to the previous versions selected or adapted to new legal requirements. This enables the advantages of LED technology to be truly utilised in terms of energy efficiency and light quality. It's worth it: even a simple conversion from conventional to LED luminaires reduces energy costs by up to 76 percent.

TIP: With our refurbishment wizard, you will receive a list of suitable LED solutions for your individual project after just a few clicks.

TRY IT NOW!



LIGHT MANAGEMENT ABSOLUTELY THINK ALONG

Lighting management is much more than a technical gimmick. Through the intelligent control of the luminaires, energy savings of up to 85 percent can be achieved compared to a unregulated conventional solution. In addition, lighting management is gaining in importance within the framework of the new DIN EN 12464-1, which uses a flexible lighting corridor instead of a fixed illuminance. Also practical: the many advantages offered by cloud-based control and monitoring demands of the lighting. Important for the implementation are controllable luminaires and a powerful light management system such as LiveLink.

! TIP: With our turnkey solutions and a perfectly coordinated portfolio, you can tap into the potentials of light management without effort and risk.

**DISCOVER
POTENTIAL!**



IOT THE FUTURE HAS LONG SINCE BEGUN

There is one more point in favour of a smart lighting system: it can be used as an infrastructure for turnkey IoT building blocks, for example for CO2 sensors in the luminaires that control and monitor the air quality. Much of this is already commonplace today - and will become more so in the future. Important for implementation: light management-capable luminaires with a IoT Interface (SLR-2).

! TIP: If you don't want to set up a smart network right away, you can lay the groundwork with the appropriate luminaires - and flexibly upgrade the system with lighting management and IoT modules at a later date.



THE MOST IMPORTANT CONSULTING, CONSULTING, CONSULTING

Each project is unique, for example through the architecture, the use or the financial framework conditions. That is why individual consulting is the best way to achieve a future-proof Lighting system. Also, to make the best use of the various government funding pots. Our renovation experts will be happy to help you with any questions you may have. Call us, email us or meet us at one of our competence centers. We look forward to meeting you.

! TIP: You can quickly and easily acquire well-founded expertise on all aspects of LED refurbishment with one of the numerous seminars at the TRILUX Academy, for example the SAMPLE SEMINAR.

**LEARN MORE ABOUT
SAVINGS POTENTIAL AT:**

[TRILUX.COM/LIGHTING-RENOVATION](https://trilux.com/lighting-renovation)

