

LEDelligence

Save operating costs cleverly thanks to intelligent lighting management.



LEDelligence – Intelligent lighting becomes building intelligence

LEDelligence is tempLED's intelligent lighting management system. It combines modern LED lighting with sensor technology, cloud monitoring, and smart control—for lower energy costs, greater transparency, and future-proof buildings.



Wireless lighting control



Cloud-based Evaluation & Monitoring



Scalable: from a single hall to a network of locations

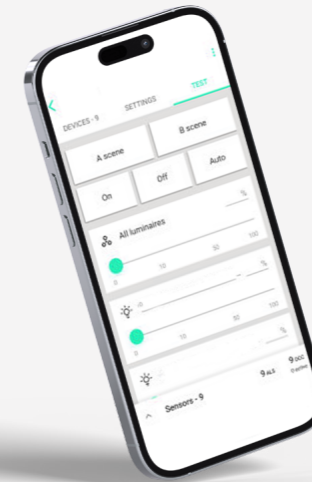


Ideal for new construction and retrofitting

Why LEDelligence?

Easy integration

Wireless, quick installation, no costly conversion. Existing lights and buildings remain usable.



Full data transparency

Energy consumption, operating times, and status of all lights at a glance—locally and cloud-based.

Future-proof

Scalable, updatable, and open for additional systems such as emergency lighting or building automation.

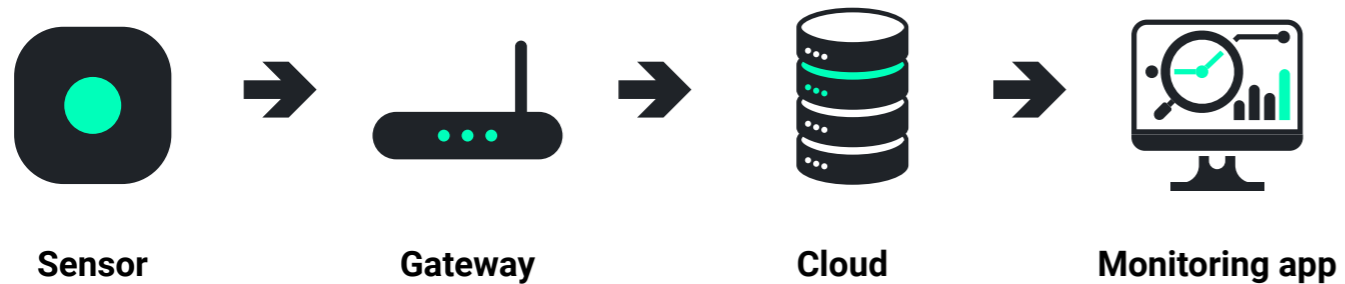


Noticeably efficient and cost-saving

Light only where it is needed—thanks to presence and daylight sensors.

How LEDelligence works

LEDelligence connects luminaires, sensors, and controls to form an intelligent lighting system. All components communicate wirelessly, are managed centrally, and automatically adapt to usage, daylight, and building conditions.



System overview

LEDelligence luminaires

tempLED luminaires, zone-controllable and prepared for presence-, daylight-, and time control.

Sensors

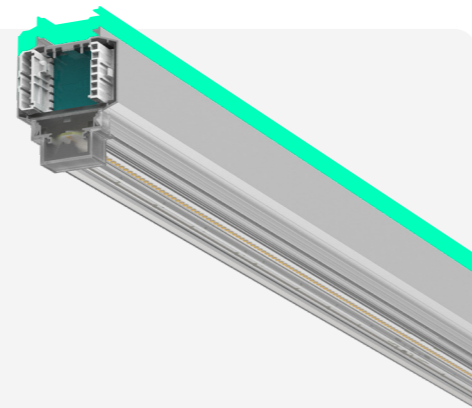
Presence and motion sensors, as well as daylight sensors, record actual usage and environmental conditions.

Wireless communication

Wireless mesh networking—no additional control cables or modifications required. The intelligence is built into the system itself and works reliably, even offline and independently of a cloud connection.

IoT gateway (optional)

Connects the local lighting network to the cloud, enabling cross-location monitoring and remote access.



Control, monitor, optimize

Lighting control tailored to requirements

Automatic control via presence and daylight sensors significantly reduces energy consumption.

→ **Energy savings of up to 90% are possible** – depending on usage and initial situation.

Time & scene control

Individual time profiles and lighting scenes ensure that lighting is precisely adapted to operating times, shifts, and types of use.

→ **Reduced energy consumption outside of actual usage times.**

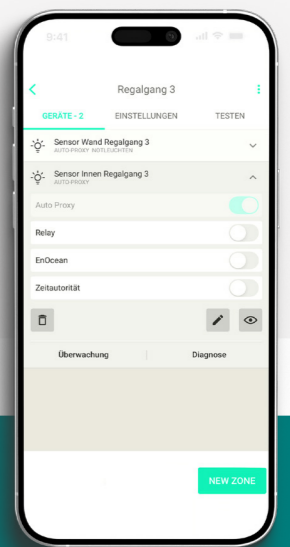
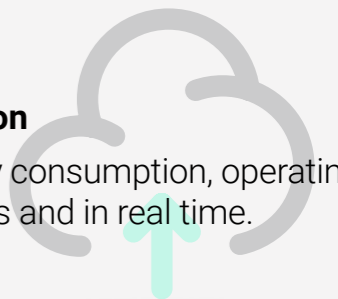
Monitoring & Transparency

Cloud-based dashboard including emergency lighting evaluation

Central overview of all luminaires and zones with display of energy consumption, operating times, system and emergency lighting status – across all locations and in real time.

Measurable operational benefits

- Quick identification of potential savings
- Simplified maintenance thanks to transparent runtime data
- Basis for short amortization periods, often within a few years



Scalability & Installation

Quick, non-invasive installation

Wireless communication enables significantly faster commissioning than traditional wired lighting management systems.

→ **Up to 6x faster installation without interrupting ongoing operations.**

Flexibly scalable

From individual rooms to entire buildings or networks of locations – LEDelligence grows with your requirements.

Saving energy is easy. LEDelligence makes it even easier.

Intuitive. Fast. Ready to use.

LEDelligence is designed to be practical and deliberately kept simple. Predefined configurations enable quick pre-programming. Commissioning is structured and efficient – adjustments and monitoring can be carried out at any time with just a few clicks.



No licenses. No subscriptions. No surprises.

LEDelligence works without ongoing license fees or subscription models. No monthly costs, no hidden fees—maximum investment security and full cost control.

Unlimited scalability.

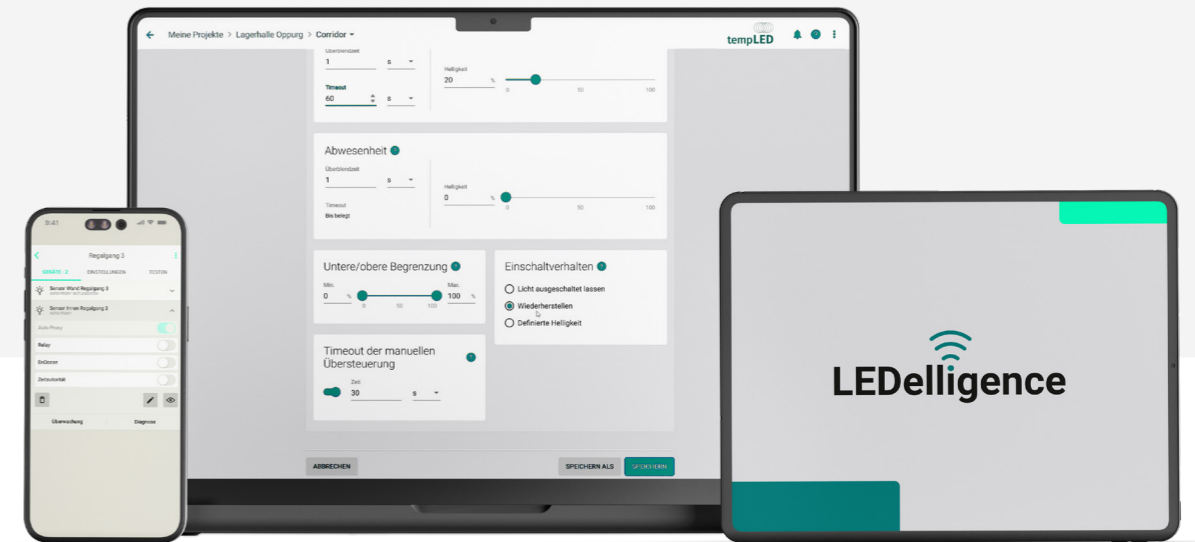
Any number of areas, zones, and users can be flexibly created. From individual rooms to multi-site building complexes, the system grows with your requirements.



Clearly structured monitoring.

All relevant key figures are clearly displayed. Energy consumption, operating times, and system and emergency lighting status can be accessed centrally, across all locations, and in real time.

Everything in one place — no matter where you are.



Additional functions for maximum efficiency

Automated emergency lighting monitoring

Centralized evaluation and automatic testing of emergency lighting – for greater safety and reduced testing costs.

Time-based control

Individual time profiles for shifts, operating hours, and special uses—precisely tailored to real-world processes.

Intelligent Zone linking

Multiple areas can be linked to control lighting proactively—for example, along walkways or production processes.

360° service – as much support as you need.

LEDelligence is designed so that setup can be carried out independently. At the same time, our 360° service supports you every step of the way, from planning and pre-programming to professional commissioning—for maximum security, minimum project time, and a smooth start.

Set it up yourself or have it completely managed—the choice is yours.



Numbers speak louder than words. LEDelligence use case.

Total area:

60,000^{m2}

Light strip:

13,000 m

Assembly time:

4 weeks

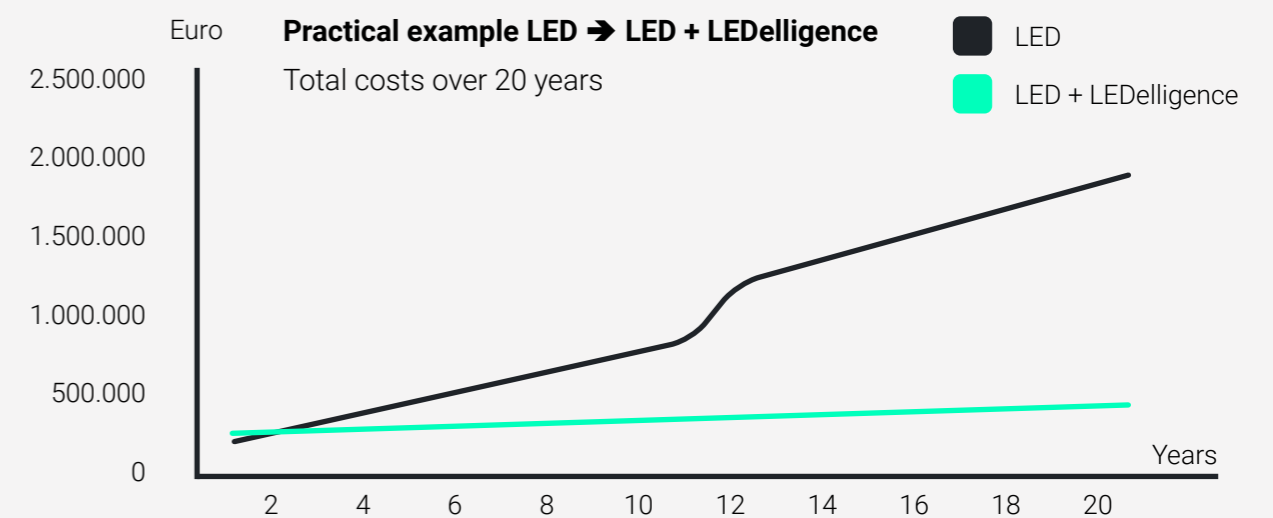
ROI period:

2.5 years

Return on investment forecast

Reduced energy consumption and lower operating costs have a direct impact on the total cost of the lighting system.

■ In many projects, LEDelligence pays for itself within a few years.



How to reach us



Do you have any questions about our products or need further information?

Our team of experts will be happy to help you!

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