



Lighting Control

for contemporary professional, academic, and user settings

System intelligence for cohesive lighting environments

Modern buildings necessitate more than mere classic aesthetics or consistent light regulation. It is essential to consider how light influences various zones and its stability amid fluctuating usage. The onework lighting control system is founded on a centralized control architecture. Adjacent areas are assessed collectively, guaranteeing consistent lighting behavior throughout the entire structure. This approach yields a uniform lighting effect devoid of discernible transitions between light and shadow.

Automated lighting quality integrated within a comprehensive room automation system.

The lighting control system functions not as an isolated DALI group solution, but as an integral component of a centralized automation intelligence framework. The control intelligence is embedded within the system itself, rather than within the luminaire bus. Cross-zone logic, usage scenarios, and integrated human-centric lighting collaborate seamlessly. Planning, operation, and expansion occur within a scalable system architecture, thereby eliminating fragmented and isolated bus solutions.

A solid foundation for automation

The lighting control system is founded on a standardized, centralized control platform. It is scalable for intricate building structures and engineered for long-term operational stability. Technical complexity is managed discreetly, allowing predictability, system quality, and deterministic behavior to be the primary focus.



System benefits

Human-Centric Lighting as an Integrated System Logic

- Automatic calibration of brightness and color temperature
- An element of the rule architecture, rather than merely a scene

Cross-zone lighting design

- Adjacent areas are evaluated collectively
- No isolated group control. No discernible transitions between light and dark

Reproducible control dynamics

- Identical circumstances yield identical responses
- Consistent across diverse applications

Centralized automation intelligence rather than isolated bus solutions

- Rule intelligence resides within the system
- No fragmented group logic

Usage-sensitive regulation

- Beyond mere lux value regulation
- Managed transition to automatic mode

Functionality and system logic

Cross-Zonal regulatory architecture

Transition zones, traffic zones, and open floor plans are assessed collectively. This results in a uniform lighting effect throughout adjacent areas.

Deterministic system reasoning

Identical entry conditions yield uniform lighting responses, facilitating traceability for both planning and operations.

Integrated Human-Centric Lighting

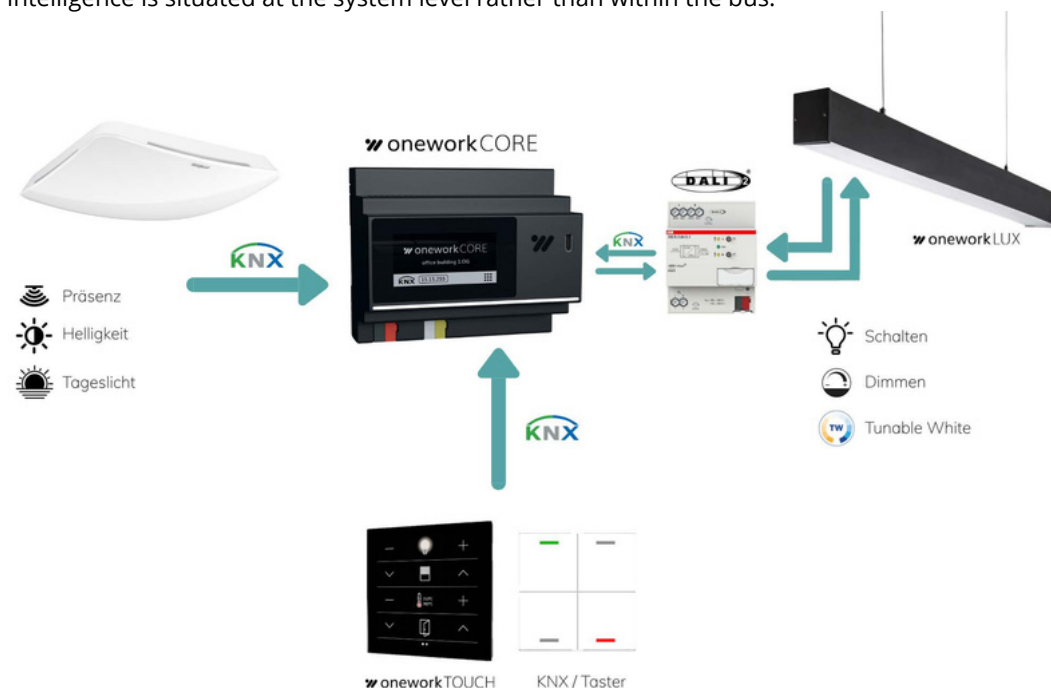
Dynamic lighting patterns are centrally managed and automatically calibrated. Manual activation is unnecessary.

Applications and contexts

Flexible scenarios facilitate object-specific modifications. Following a manual override, the system reverts to the established logic in a controlled fashion.

System architecture and technical integration

Sensors and control devices interface with the central automation platform through KNX. Control is facilitated by KNX-DALI gateways. The control intelligence is situated at the system level rather than within the bus.



Common areas of application

- Office and workplace environments
- Educational and research organizations
- Public edifices and governance
- Healthcare and wellness facilities
- Industry and manufacturing
- Retail

Technical highlights

- Centralized, cross-zone regulatory framework
- Vendor-neutral integration
- Local, deterministic operation
- Scalable for intricate architectural frameworks

Do you have any inquiries?

We would be pleased to assist you and eagerly await your response.

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