⫷ POSEIDON®Office

LIGHTING CONTROL SYSTEM FOR OFFICE BUILDINGS

LOW INVESTMENT AND OPERATING COSTS

Up to 60 % savings on lighting

Return on investment within 3 years

Increasing the lifetime of the LED luminaires

COMFORTABLE AND FLEXIBLE SOLUTION OF INTERIOR LIGHTING

Simple to install switches and simple to change their location

Easy and quick to change lighting schemes using a PC

Improved working environment

EASY INTEGRATION INTO BUILDING AUTOMATION SYSTEMS

Ethernet interface TCP/IP

Wireless transmission of the temperature, humidity, air quality, light intensity and the contact's status

Complex building automation solution

ADVANTAGE FOR LEED AND BREEAM CERTIFICATIONS

Energy efficient and sustainable solution for lighting and shading control supporting LEED and BREEAM certifications of sustainable buildings

EXCELLENCE IN LIGHTING CONTROL

enika®

Ɛ POSEIDON®Office

LIGHTING CONTROL SYSTEM FOR OFFICE AND COMMERCIAL BUILDINGS

POSEIDON® Office offers an increased comfort and safety for the users of the building. It reduces the lighting costs and generates savings. The system offers an efficient tool for control and management of lighting and shading within a building management system. POSEIDON® Office provides the right level of lighting control for a single office, large open-space, entire floor or whole office building.

1. Wall-mounted/portable switch (transmitter)

2. Wireless controller with light sensor and occupancy detector

3. Receiver with DALI output

4. Ethernet interface TCP/IP

5. Receiver for window blinds control

WIRELESS SENSORS AND LIGHTING CONTROL FOR BUILDING AUTOMATION

Control system POSEIDON® Office is a user-friendly and energy-efficient solution for wireless lighting and shading control within building automation systems.

Wireless sensors monitor temperature, humidity, presence, light intensity, air quality, but also the current position of jalousies, outdoor blinds, windows, doors and provide inputs to control systems in order to ensure energy efficient, comfortable and save operation of the building.

Our building automation concept uses synergies of both wired and wireless control technologies. It provides safe, efficient, and comfortable control of any type or size of a commercial building. The building operators benefit from an easy to customize visual control interface.
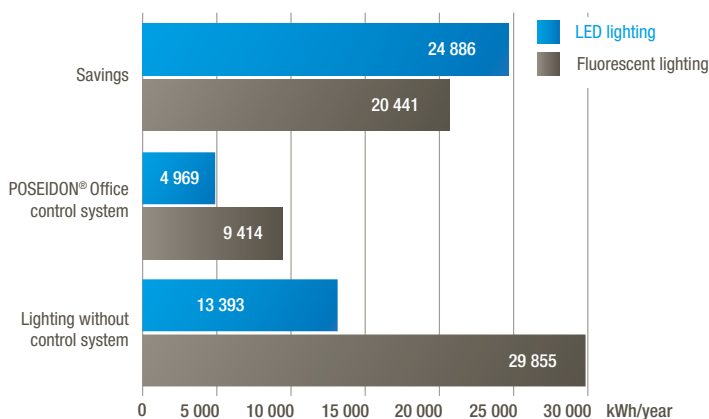
Energy consumption	Lighting without control system	POSEIDON® Office control system	Savings
Fluorescent lighting (kWh)	29 855	9 414	20 441
LED lighting (kWh)	13 393	4 969	8 424

Any adjustment of lighting installation to changes of interior layout is done comfortably in the configuration software POSEIDON® Asistent.

The case study documents the efficiency of POSEIDON® Office control system for both the fluorescent and LED office lighting.
The selected part of an office building – a floor with an area of 500 m^2 is used. The light planning for the selected floor was done for both fluorescent and LED light fittings.

The POSEIDON® Office control system includes button control, daylight dimming and movement detection.
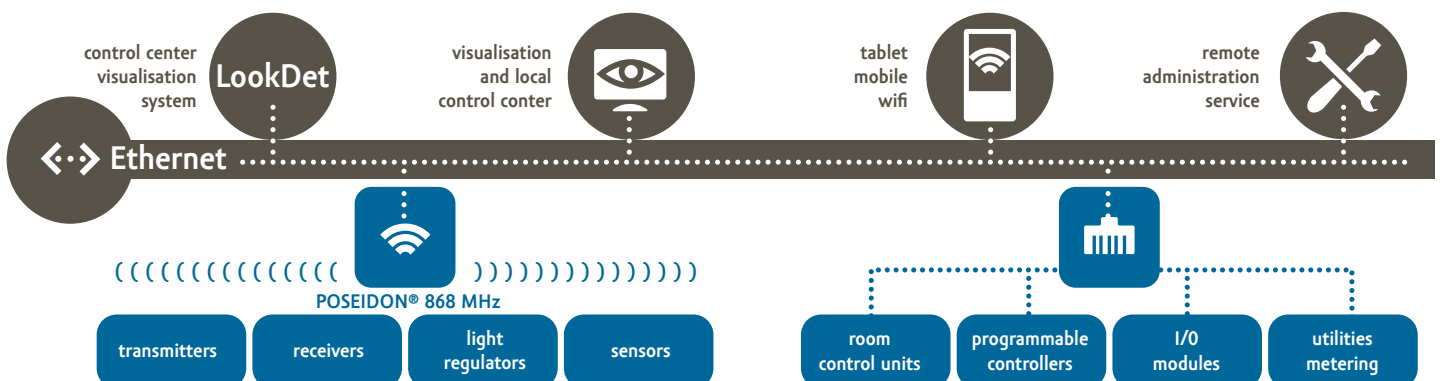
Fluorescent light fittings: 72 W (4 tubes 18 W each), DALI dimmable, 118 pcs.

LED light fittings: 38 W, DALI dimmable, 118 pcs.

COMPLEX SOLUTION FOR BUILDING AUTOMATION

POSEIDON® Office

BUILDING OWNER, FACILITY MANAGER

- Easy configuration of the system
- Easily expandable
- Instant changes of lighting schemes (reconfiguration) using the POSEIDON® Asistent software

INVESTOR, DEVELOPER

- 60 % savings on lighting
- Return on investment within 3 years
- Ideal for reconstructions of office and historical buildings
- Support LEED and BREEAM certification

ARCHITECT, DESIGNER

- I-glass RF switches and ABB switches
- Solution suitable for any stage of a project
- Full CAD support
- Online technical and design support

SYSTEM INTEGRATOR

- Wireless light, movement, temperature, flooding, humidity, CO_2 and contact sensors
- Open communication interface for integration
- Easy integration into building management systems (BMS/BAS)

USERS OF PREMISES

- In compliance with lighting standards
- Comfortable and safe working environment
- Easy operation with prevention of human errors
- Flexibility of lighting to changes of interior layout

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