

PRESS RELEASE

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The best task light for any budget: ESYLUX Light Control technology

With the ESYLUX Light Control (ELC), ESYLUX has developed a control technology for intelligent system lights featuring energy-efficient human centric lighting (HCL). The systems are installed via plug-and-play and can be used immediately without any programming effort, making them ideal for rapid modernisation projects, even during ongoing operation. At the Light + Building trade fair, ESYLUX will be introducing variants of the control unit that allow grouping using plug connections for any room dimensions.

A better quality of life and improved energy efficiency are both key requirements today when it comes to modernising technology in office buildings, educational institutions and medical facilities. With the ESYLUX Light Control (ELC), ESYLUX has developed a control technology for intelligent system lights that allows both requirements to be fulfilled with ease.

SmartDriver as an intelligent control unit

The SmartDriver control unit is a key component of the system, and it is the only component that requires a connection to the 230-V network. All other system components, such as ESYLUX LED ceiling lights and presence detectors, are connected to and supplied with power by the control unit via plug-and-play. The systems require no additional programming effort and can be used immediately, making them ideal for rapid modernisation projects, even during ongoing operation. Using an optional module, the system can also be seamlessly

integrated into a KNX building automation system with no need for a separate gateway to be installed.

During operation, the systems generate a biologically effective light for enhanced wellbeing, concentration and health. Using an integrated presence detector, the SymbiLogic technology from ESYLUX delivers presence- and daylight-dependent adaptive HCL light control. This light control provides the best light at the right time, as well as reducing energy consumption to ensure that using the biologically effective light is highly cost-effective. As an alternative, system variants with a fixed light colour of 3000 K or 4000 K are available.

Error-free grouping and variants for different room concepts

The SmartDriver, lighting and sensor system components function autonomously but can also be scaled to suit all room dimensions by adding in other units via plug connections. Even unique constant lighting control for different room zones and a demand-driven orientation light with swarm function are possible by connecting individual groups via the ELC bus. Plug-and-play is also used in this case, guaranteeing a low error rate. Centralised manual control is always possible, as is the selection of individual scenes. In addition, it is possible to incorporate HVAC devices or supplementary lighting and control them in line with demand. Universal automation of grouped system units also works if individual SmartDrivers are connected to different phases or networks.

As the system components and additional devices are arranged individually, the ELC system solutions can be configured as required. With this in mind, the SmartDriver is available in multiple variants: with integrated SymbiLogic technology for 4, 6 or 8 lights per system unit or with a fixed light of 3000 or 4000 K for 4 or 8 lights. As an alternative, the Quadro, Classroom and Patient Room sets offer preconfigured, ready-to-install solutions for offices, classrooms or patient rooms of a standard size and include the system components, system cables and supplementary additional devices under just one item number.

About ESYLUX – Performance for Simplicity

ESYLUX develops, manufactures and distributes intelligent automation and lighting solutions that ensure better quality of life and energy efficiency in office buildings, educational institutions and health facilities. People's requirements and needs are central to the company's activities. ESYLUX places particular value on the simple application of its product solutions. ESYLUX customers and partners include wholesalers, installation companies, electrical and lighting planners and architects who trust in the company's 50 years of market experience and the personal, specialist advice provided by ESYLUX experts. Furthermore, ESYLUX meets the highest quality standards in research, development and production at its German site in Ahrensburg. The sales organisation is global: ESYLUX operates on five continents in collaboration with experienced trading partners and is represented by numerous subsidiaries in Europe, Asia and Oceania.

Find more information at www.esylux.com

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Photos and captions

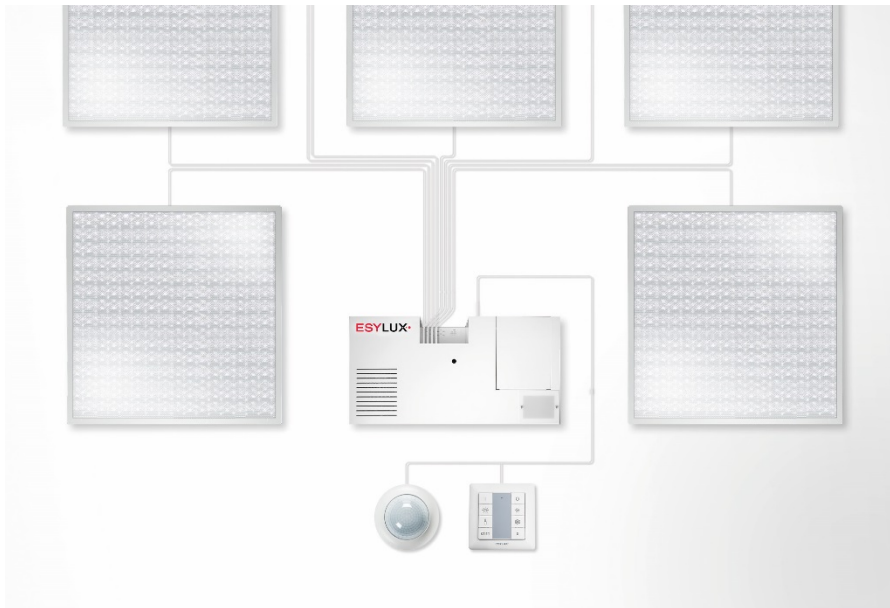
(Source: ESYLUX GmbH)



ESYLUX Light Control (ELC)

The best task light for any budget

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ESYLUX Light Control ELC

Intelligent control technology with energy-efficient human centric lighting



SmartDriver TW x8 ELC

Control unit for plug-and-play installation of all system components