

Press release — ESYLUX indoor lighting

Biologically effective light for standard offices — the CELINE Quadro sets

Ahrensburg, Germany, 15 February 2017. The CELINE Quadro sets manufactured by ESYLUX are the first system solution for intelligent work lighting that combines lights, sensors and a control unit in a modular system. This means the ESYLUX Light Controller (ELC)—which is integrated into the master lighting fixtures in the sets of the same name from the NOVA series—is making its first appearance as a separate device. The functionality of a conventional, presence-dependent constant lighting control to the biologically effective light of the SymbiLogic technology remain the same — as does the plug-and-play installation.

Suspended ceiling systems offer many design and positioning possibilities during installation of the desired room technology. To offer both electronics and light planners, as well as users, a greater choice that is able to cater to their tastes, ESYLUX now presents the CELINE series Quadro sets for intelligent illumination.

System solution with intelligent light management

This system solution combines full-surface LED ceiling lights with the separate PIR and light sensors of a presence detector, as well as the separate control unit of the ESYLUX Light Controller (ELC). The ceiling lights fit the typical grid measurements of suspended ceilings (600 x 600 or 625 x 625 mm) and they can be connected to the ELC via plug-and-play. The ELC contains the power supply for all system lights and, in conjunction with the presence and light sensors, delivers a presence and daylight-dependent constant lighting control including individual scene control.

At its highest configuration level, the system produces the biologically effective light of ESYLUX SymbiLogic Technology for a better quality of life in the workplace. Biologically effective light supports vitality, well-being and increased concentration during the day, and contributes to a relaxing night's sleep later on. The SymbiLogic also allows for energy-efficient use of daylight in its biodynamic brightness levels, making this form of lighting affordable even for standard

offices, despite the illuminance it provides being well above average in certain areas. In addition, it allows the brightness and colour levels to be adjusted to the lighting conditions at different latitudes.

Highly extendable, biologically effective light also for KNX

In terms of room size, the system can be adjusted to fit all common surroundings. The CELINE Quadro sets themselves contain four lights, but there is also the option to combine a smaller number with the ESYLUX Light Controller and connect them via plug-and-play. Up to 20 Quadro sets can be combined for particularly extensive installations. In addition or alternatively, up to 4 x 25 DALI-compatible standard lights can be connected to the interfaces that are integrated into the ELC — for a broadcast mode in up to four separate channels. It is also possible to integrate the DALI switch for presence-dependent switching of conventional consumers.

There are various options available for controlling the system. In the basic version, brightness and—where applicable—light colour can be changed using the 230-V switch, DALI switch or ESYLUX universal remote control and individual scenes can be called up on demand. Bluetooth-compatible variants can also be operated via the app. Alternatively, the manufacturer has developed designs that can be integrated into a KNX building automation system without an additional gateway thanks to the built-in KNX module.

Photos and captions

[Photo: celine quadro]



[Photo: elb]



About ESYLUX — Performance for Simplicity

ESYLUX develops, manufactures and sells products for enhanced energy efficiency, comfort and safety for the building sector. Its focus is on sensor-based, demand-driven automation and lighting. The aim is to improve people's quality of life with both intelligent and user-friendly solutions that meet the most complex requirements yet remain easy to implement. The company – which has its headquarters near Hamburg, Germany – counts wholesalers, installation companies, electrical and lighting planners and architects among its partners. These partners place their trust in almost 50 years of market experience, high service standards and the prioritisation of German locations as sites for research, development and production. The sales organisation is global: ESYLUX operates on five continents in collaboration with 17 experienced trading partners and is represented by a total of 13 subsidiaries in Europe, Asia and Oceania.