

**PRESS RELEASE**

Ahrensburg, Germany, 13 June 2019

# **Intelligently controlled, well protected: Universal lights in the ALMA series**

**With the wall and ceiling lights from the ALMA series , ESYLUX presents a new LED lighting solution that is particularly suitable for modernising hallways, staircases, foyers and side rooms in public buildings. Optional concealed motion and light sensor technology guarantees energy-efficient operation, while IP65 protection type, IK10 impact resistance and zero-cross switching ensure excellent durability.**

The same scenario as is found in rooms in office buildings, educational institutions and healthcare facilities applies all the more to the passageways in those buildings: Once the lighting is switched on, it often stays lit for the entire day, even when it is not required and despite the fact that it uses energy unnecessarily. With the LED lights from the ALMA series, ESYLUX presents a new solution to this problem.

## **Robust elegance on the outside, intelligence on the inside**

The wall and ceiling lights feature a rounded, opal white diffusor, which conceals the electronic intelligence in the interior: a high-frequency motion detector with integrated light sensor technology that activates the light only when people are in its vicinity and the ambient light is insufficient. The sensor has a 360-degree field of detection with a range that is 15 metres in diameter. Along with the switch-off delay time and level of brightness, the sensitivity can be incrementally adjusted to the surroundings using a rotary switch. Zero-cross switching protects the relay and ensures that the technology has a long service life.

**Simple networking for extensive areas**

So that multiple lights can be networked with minimal effort, they have pre-installed through-wiring provided by a push terminal. Lights can be combined in this way to create harmonious, synchronous control in extensive areas, and versions of the ALMA series without integrated sensor technology are also available for networking. To ensure reliable protection against the ingress of substances, for example in sanitary facilities or when cleaning the lights, all variants are equipped with IP65 protection type, while IK10 impact resistance guarantees sturdy resilience against mechanical influences.

The ALMA lights are available with a light colour of 3000 K or 4000 K, with a better-than-average colour consistency of less than three MacAdam ellipses. ESYLUX sets an equally stringent standard for the flicker factor, which lies below three percent. The diameter of the light housing is 300 mm.

Solutions with high-frequency sensor technology, such as the lights in the ALMA series, are developed by ESYLUX for entrances, passageways and side rooms, to supplement or as an alternative to solutions with passive infrared (PIR) presence detectors. For rooms where people spend long periods of time, such as in workplaces, ESYLUX recommends radiation-free PIR technology in order to avoid all forms of electrosmog. The PIR technology uses piezoelectric semiconductor crystals that respond to people's body heat.

## **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 more than 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 in collaboration with experienced trading partners and is represented by numerous subsidiaries in Europe, Asia and Oceania.

**Find more information at [www.esylux.com](http://www.esylux.com)**

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## Photos and captions

(Source: ESYLUX GmbH)



## ALMA-series wall and ceiling lights

The ALMA lights feature concealed high-frequency sensor technology to ensure energy-efficient operation.