# Press Release

# Bringing light to darkness

It transilluminates even metallized and dark films: The new LS25CI throughbeam photoelectric sensor from Leuze is very powerful and flexible in use and thus meets the stringent requirements of the packaging industry.

*Owen, May 6, 2022 –* The films used in the packaging industry vary greatly: they are more or less transparent and sometimes even dark or metallized. This makes it challenging for photoelectric sensors to reliably detect the position of the objects in the packaging. With the LS25CI, Leuze is introducing a throughbeam photoelectric sensor that is up to the job: The LS25CI is very powerful and can transilluminate any type of film. This enables the reliable separation of products and sealing of the film in the right places. The infrared light used is harmless and poses no danger to the eyes.

**Detects object or film**

System operators can pick from two models: The LS25CI.XR1 high power can transilluminate dark films as well as identify individual transparent films. The performance of the photoelectric sensor can be conveniently configured via a potentiometer. For even tougher requirements, customers may want to opt for the LS25CI.XX super power: It transilluminates metallized and dark colored films, even if they are multi-layered. The receiver works with both transmitter models. The sensitivity of the receiver can also be quickly and intuitively adjusted via potentiometers.

**Robust housings**

The housings of the transmitter and receiver meet protection classes IP67 and IP69K. They are also ECOLAB certified for use in harsh environments that require frequent cleaning. The devices are wired with M8 or M12 connectors and can thus be easily integrated into systems.

Characters: approx. 1,809   
A file copy is requested.  
Interviews gladly arranged on request.

**Pictures**



Image 1: The LS25CIs are among the most powerful throughbeam photoelectric sensors on the market. They transilluminate any packaging foil and reliably detect the objects inside.

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Image 2: The high-performance LS25CI.XX super power also transilluminates metallized and dark-colored films effortlessly. For example, the front edge of a chocolate bar in the packaging is reliably detected. This allows the individual products to be separated and the film to be sealed in the right place.

*With curiosity and determination, the Sensor People from Leuze have been creating innovations and technological milestones in industrial automation for more than 50 years. They are driven by the success of their customers. Yesterday. Today. Tomorrow. The technology leader’s high-tech product range includes a number of different sensors for the field of automation technology. Among these are switching and measuring sensors, identification systems, and data transmission and image processing solutions. As a Safety Expert, Leuze is also focused on components, services and solutions for safety at work. Leuze concentrates on its core industries, in which the Sensor People have extensive, specific application know-how and many years of experience. These include intralogistics and the packaging industry, machine tools, the automotive industry as well as laboratory automation. Leuze was founded in 1963, headquartered in Owen/Teck in Southern Germany. Today there are more than 1400 Sensor People around the world who are working with determination and passion for progress and transformation to make their customers successful in a constantly changing industry. Regardless of whether in the technological competence centers or in one of the 21 sales companies, supported by more than 40 international distributors.* [www.leuze.com](http://www.leuze.com)

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