



PRODUCT OVERVIEW

WL12

Automation light grids

SICK

Sensor Intelligence



AUTOMATION LIGHT GRIDS

WLG

Retro-reflective light grid for transparent and fast objects

The WLG is a retro-reflective light grid with a 100 mm detection height and transmission 8 LEDs. Detecting damaged pallets, leading edge detection, checking the edges of material webs and detecting and sorting bottles are the typical areas of application of the WLG. At the same time, depending on the set sensitivity, the WLG detects objects which are only 6 mm large at a distance of 0.4 m. Transparent objects and reflective surfaces are also reliably detected.

WLG AT A GLANCE

BENEFITS

- The fast response time of the WLG means that increased conveyor speeds can be used
- Increased availability thanks to the reliable detection of transparent objects
- Savings in terms of cost and space thanks to the use of a reflector
- A polarizing filter increases process reliability when working with reflective surfaces
- Visible red light reduces mounting time
- Multiple outputs enable the detection of the object position and size for improved system control

FEATURES

- 0.6 ms response time
- Eight visible transmitter LEDs
- Up to eight PNP switching outputs and one alarm output
- Sensitivity can be set via a potentiometer
- Polarizing filter for reflective surfaces

TECHNICAL DATA OVERVIEW

Operating range	1.5 m
Beam separation	12.5 mm
Detection height	87.5 mm
Connection type	Cable Plug, M12, 5-pin
Length of cable	2 m

Select the right product variant and accessories directly online. There you will also find example applications as well as downloads such as CAD dimensional models, operating instructions and software.

www.sick.com/WLG



SICK AG
WALDKIRCH
GERMANY
SICK.COM

SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnership with our customers is more than just a promise: Together, we optimize productivity, elevate quality, protect health and safety, and sustain the future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions.

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