WLG

Retro-reflective light grids for the detection of very fast and transparent objects

SWITCHING AUTOMATION LIGHT GRIDS

SICK
Sensor Intelligence.

Technical data overview

Operating range	1.5 m
Length of cable	2 m

Product description

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.

At a glance

- 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

Your 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

Ordering information

Other models and accessories → www.sick.com/WLG

- **Operating range:** 1.5 m
- **Beam separation:** 12.5 mm

Detection height	Switching output	Type	Part no.
87.5 mm	2 x PNP	WLG12-P537	1015798
	8 x PNP	WLG12-G137	1016046
	PNP	WLG12-V537	1016045

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

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