



W11G-2

Reliable detection of clear material objects – from PET bottles to transparent film

SICK
Sensor Intelligence.



Technical data overview

Dimensions (W x H x D)	15.6 mm x 48.5 mm x 42 mm
Functional principle detail	Without reflector minimum distance (autocollimation/coaxial optics)
Light source	LED
Type of light	Visible red light
Enclosure rating	IP66, IP67, IP69K
Housing material	Plastic
Adjustment	Potentiometer

Product description

WL11G-2 represents glass photoelectric sensor technology designed optimally for individual applications, thus enabling a wide range of applications in very different areas of automation technology. Whether in filling or packaging technology, WL11G-2 offers optimum performance in a small robust housing, dependable object detection – everything from PET bottles to film – in the range up to 4 m, PinPoint LED, and high reliability in industrial environments.

At a glance

- Photoelectric sensor for the detection of transparent objects
- Robust sensors for industrial use
- PinPoint technology is precise and fast-reacting for optimal detection of a very wide range of objects
- Space-saving plastic housing in chemically, thermally or mechanically resistant designs
- Versatile mounting options due to dovetail mounting – mounting holes and oblong holes
- Highly visible status LEDs
- Simple sensitivity adjustment via potentiometer

Your benefits

- Reliable object detection, from PET bottles to transparent film, thanks to superior chip technology
- PinPoint LED technology for a bright, small, and precise light spot, enabling quick and easy sensor alignment
- Precise switching characteristics and a high detection quality guarantee an universal object detecting
- User-friendly sensors, simple commissioning and installation plus highly visible status LEDs
- Rugged housing, resistance to high-pressure cleaners, cleaning agents and disinfectants result in reliable device availability
- Uniform housing, mounting, and connection systems minimize mounting and installation time
- Effective suppression of optical interference from the industrial environment

Ordering information

Other models and accessories → www.sick.com/W11G-2

- **Functional principle:** Photoelectric retro-reflective sensor
- **Functional principle detail:** Without reflector minimum distance (autocollimation/coaxial optics)
- **Light source:** LED
- **Voltage type:** DC
- **Switching mode:** Light/dark switching
- **Type of light:** visible red light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
0 m ... 4 m	PNP	Potentiometer	Cable with M12 male connector, 4-pin, 270 mm	WL11G-2K3431	1048313
	PNP, NPN	Potentiometer	Plug, M12, 5-pin	WL11G-2B2531	1041390
				WL11G-2B2531P04	1047437

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:

Contacts and other locations –www.sick.com