SmartReflect™
The light barrier without reflector.
A world first from Baumer:

*SmartReflect™* – reliable and economical.

With *SmartReflect™* Baumer has reinvented the optical light barrier: The reflector as the weak point is eliminated and highly reliable object detection is still guaranteed. That reduces your costs tremendously. Since every interruption of the light beam by any object is detected thanks to the *SmartReflect™* principle, the *SmartReflect™* light barrier can reliably detect objects independent of their shape, color or surface finish. The *SmartReflect™* detects virtually anything — even mirrors.

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**Increase your functional reliability.**

- Highly reliable object detection thanks to the sensor principle
- Greater process safety through elimination of the reflector as the weak point
- No function impairment from dirt accumulation

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**Reduction of operating costs.**

- No separate reflector/receiver
  → No investment or installation costs
- Regular reflector replacement not required
  → No production downtimes
- Expensive reflector cleaning not required
  → No maintenance costs

Wouldn’t you like to save money too?
FNDH 14
The first EHEDG-certified sensor for the food industry which was developed especially for the hygienic zone. Not even hot cleaning affects its service life.
- Long-term seal thanks to ProTect®
- V4A stainless steel housing
- IP69K

FNDR 14
The perfect sensor for the splash zone. Withstands even harsh cleaning with jets of water and intensive use of cleaning agents in the food industry.
- Ecolab-certified and FDA-compliant
- Long-term seal thanks to ProTect®
- IP69K

FNDK 14
The classic sensor for industrial automation. A compact design and easy use are among the outstanding features of this sensor.
- Wide variety of options
- Good price-performance ratio
- Proven design
We at Baumer know that different industries can require different features.

That’s why we manufacture the SmartReflect™ light barrier in different versions individually matched to the needs of your field. For example hygiene-certified by EHEDG for the food industry, space-saving and flexible for handling technology or easy to adjust and not sensitive to soiling or dust for the graphical industry. Increase your process safety with SmartReflect™.

**FNCK 07**
The smallest photoelectric sensor; can be used in applications with limited space conditions.
- Smallest, adjustable sensor family
- Installation in the most confined space
- Easy to operate and very precise

**ONDK 25**
The sensors for the largest range. They are easy to adjust and low maintenance. Laser class 1 makes additional protective measures unnecessary.
- Long range up to 2000 mm
- qTeach™ operation with ferromagnetic tool
- Easy to operate and extremely robust

**O500**
The new performance category in optical sensor technology. Available with standard LED or with Baumer PinPoint LED.
- qTarget™ makes installation easier
- OneBox Design facilitates planning
- qTeach™ operation with ferromagnetic tool
**SmartReflect™** – clear advantages in transparency detection.

Special **SmartReflect™** variants recognize transparent objects over a detection range of up to 800 mm, a unique innovation in the photoelectric market. Transparent trays, PET bottles, glass containers, etc. are reliably detected. Even highly transparent foils are no problem for the **SmartReflect™** light barriers.

**SmartReflect™** light barriers for transparent object detection are available in hygienic and washdown design as well as in plastic housing.

Detection of highly transparent materials, in the food industry, graphical industry or in packaging technology, etc.