



The ZR-QX is designed for transparent object detection. Because the sensor has no dead zone, bottles can be detected regardless of the position on the belt.



The ZR-X type is designed for non transparent detection. Because the sensor has a coaxial beam, it is ideal for applications requiring the sensor to look through a small slot or opening.

## Coaxial Retro-Reflective LED Sensors

**ZR-QX and ZR-X Series:** Enabling precise alignment to the target.

- The unique coaxial LED design is a great choice for applications where the position of the target changes. (ie: bottles on a conveyor line)
- The LED design also allows for very high repeat accuracy. Ideal for end travel limits, RPM monitoring, precise positioning of parts, and counting.
- Unlike many sensors, the ZR-QX and ZR-X have no minimum sensing distance requirement allowing the reflector or target material to be placed at the face of the sensor.
- Perfect for applications requiring the sensor to look through a small opening or slot. This would be impossible for normal retro-reflective sensors.
- The coaxial design creates a bright powerful led light source that makes for easy and precise alignment to the reflector.
- The ZR-QX is designed for transparent object detection including glass and plastic bottles.
- The ZR-X polarized version is designed for any non-transparent material and has a high speed response time for speed critical applications.
- Also available in a laser light source version. See D series and D2SA series