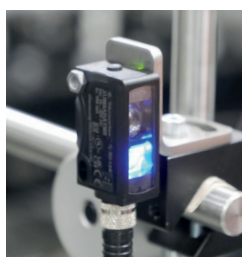




## Blue Light sensor: Unveiling the unseen



**ECOLAB®**

**IO-Link**



Simply easy!

tesensors.com

## Cutting-edge innovation designed for a new era of precision detection

Telemecanique Sensors introduces its new **Blue Light** sensors in XUM, XUK, XUT formats. In the world of industrial sensing, precision is everything.

### Illuminating the future of industrial sensors

- **High intensity advantage:** **Blue Light**'s higher intensity sets it apart, influencing how it interacts with surfaces for enhanced detection.
- **Ideal for low-reflectivity objects:** Its short-wave nature and higher surface reflection make it perfect for detecting low-reflectivity objects, particularly those with dark surfaces.

### Blue Light unveils the invisible

- **Versatile object detection:** **Blue Light** sensors allow to detect various objects, including deep black, reflective, curved, angled, shiny, and transparent ones.
- **Ideal for tight spaces:** **Blue Light** sensors are particularly well-suited for installations in confined spaces, thanks to their exceptional performance even with challenging angles.
- **Unparalleled process reliability:** Precise transmitting and receiving technology ensures unmatched process reliability, surpassing that of red-light sensors.

### Small sensors, big solutions for compact spaces

- **Compact versatility:** XUT sensors excel in tight places, making them ideal for machinery and packaging lines.
- **Durable simplicity:** Their reinforced glass-fibre build ensures both toughness and straightforward operation, simplifying sensor needs in challenging environments.

### Elevate configurations for the smart factory revolution

Our sensor prioritises user-friendliness, ensuring easy setup either with a teach button or via IO-Link communication. Plus, it offers various teaching methods, including 2-point teach, object teach, and dynamic teach. The XUT also introduces a window mode, exclusively focusing on precise object detection.

**YAGEO** GROUP  
Sensing You

**Telemecanique**  
Sensors

## Benefits and Features



**Expanding  
detection  
horizons**

**Versatile teach-in  
and user-friendly  
controls**

**Efficiency meets  
durability: Three  
form factors for  
excellence**

**From short to long scanning distance:** 80 mm to 1.2 metres

**Reliable detection:** Including highly transparent or light-absorbing objects

**Easy alignment:** Visible light spot for precise adjustment

**Simplify sensor setup:** Teach-in, control input, and IO-Link adjustments

**Fixed settings or flexible teaching methods:** single point, two points or window



**Clear and intuitive HMI** for effective setting feedback

**Simplified installation** with innovative dovetail mounting concept



**Built to last:** Robust glass-fibre-reinforced housing

**Packaging-ready:** IP67/IP69K and ECOLAB certified

### Fixed BlueLight sensors – BGS (background suppression)

	Nominal sensing distance	Sensor size	Degree of protection	Connector type	Part number
	80 mm	Miniature	IP67 / IP69K	M8 connector	XUM7ABPXM8
	80 mm	Miniature	IP67 / IP69K	Cable 2 m, 4 wires	XUM7ABPXL2
	50 mm	Sub-miniature	IP67	Pigtail 200 mm M8	XUT7ABPXP02
	50 mm	Sub-miniature	IP67	Cable 2 m, 4 wires	XUT7ABPXL2

### Adjustable (teach button) BlueLight sensors – BGS (background suppression)

	Nominal sensing distance	Sensor size	Degree of protection	Connector type	Part number IO-Link
	200 mm	Miniature	IP67 / IP69K	M8 connector	XUM8ABAYM8
	200 mm	Miniature	IP67 / IP69K	Pigtail 150 mm M12	XUM8ABAYP015
	50 mm	Sub-miniature	IP67	Pigtail 200 mm M8	XUT8ABAYP02
	50 mm	Sub-miniature	IP67	Cable 2 m, 4 wires	XUT8ABAYL2

### Adjustable (potentiometer) BlueLight sensors – BGS (background suppression)

	Nominal sensing distance	Sensor size	Degree of protection	Connector type	Part number
	1200 mm	Compact	IP67 / IP69K	M12 connector	XUK8ABPXM12

Discover our complete range of sensors, visit us on [telemecaniquesensors.com](https://telemecaniquesensors.com)

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