



LUT3

The solution for standard applications

SICK
Sensor Intelligence.



Technical data overview

Sensing distance	10 mm ¹⁾ 20 mm ¹⁾ 50 mm ¹⁾
Type of light	LED, Ultraviolet light ²⁾
Light emission	Long side
Switching frequency	1.5 kHz ³⁾
Response time	350 µs ⁴⁾
Connection type	Male connector M12, 4-pin

¹⁾ From leading edge of lens.

²⁾ Average service life: 100,000 h at $T_U = +25$ °C.

³⁾ With light/dark ratio 1:1.

⁴⁾ Signal transit time with resistive load.

Product description

Whether ensuring that the package insert is in the packaging or the labels are on the vial – the LUT3-6 luminescence sensor facilitates safe monitoring. For optimum adjustment to the fluorescent mark, the sensitivity of the LUT3-6 luminescence sensor is set with an infinite potentiometer.

At a glance

- Rugged metal housing
- Sensing distance: 10, 20, or 50 mm
- Sensing ranges can be selected with interchangeable lenses
- Sender LED UV (375 nm)

Your benefits

- Straightforward adjustment with a potentiometer saves time and money
- Filters ensure that background luminescence is reliably suppressed, ensuring greater process reliability
- Interchangeable lenses for different sensing ranges increase flexibility

Ordering information

Other models and accessories → www.sick.com/LUT3

- **Light source:** LED
- **Communication interface:** -

Sensing distance	Switching output	Switching mode	Light spot size	Light spot direction	Light emission	Connection type Detail	Type	Part no.
≤ 10 mm	PNP, NPN	Light switching	2 mm x 6 mm	Vertical	Long side	Male connector M12, 4-pin	LUT3-610	1015396
≤ 20 mm	PNP, NPN	Light switching	3 mm x 9 mm	Vertical	Long side	Male connector M12, 4-pin	LUT3-620	1015397
≤ 50 mm	PNP, NPN	Light switching	5 mm x 15 mm	Vertical	Long side	Male connector M12, 4-pin	LUT3-650	1015398

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