LUT3

The solution for standard applications

LUMINESCENCE SENSORS

SICK
Sensor Intelligence.

Technical data overview

Sensing distance	10 mm [1] 20 mm [1] 50 mm [1] 90 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 / male connector M12, 5-pin (depending on type)

[1] From front 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, Ultraviolet light (Average service life: 100,000 h at T_U = +25 °C.)

Sensing distance	Switching output	Light spot size	Connection type Detail	Type	Part no.
≤ 10 mm	PNP, NPN	2 mm x 6 mm	Male connector M12, 4-pin	LUT3-610	1015396
			Male connector M12, 5-pin	LUT3-810	1012867
				LUT3-910	1019285
≤ 20 mm	PNP, NPN	3 mm x 9 mm	Male connector M12, 4-pin	LUT3-620	1015397
			Male connector M12, 5-pin	LUT3-820	1012868
				LUT3-920	1019286
≤ 50 mm	PNP, NPN	5 mm x 15 mm	Male connector M12, 4-pin	LUT3-650	1015398
			Male connector M12, 5-pin	LUT3-850	1012869
				LUT3-851	1012870
				LUT3-852	1012871
				LUT3-853	1012872
				LUT3-950	1019287
				LUT3-951	1019288
				LUT3-952	1019289
				LUT3-953	1019290
≤ 90 mm	PNP, NPN	12 mm x 12 mm	Male connector M12, 5-pin	LUT3-890	1014058
				LUT3-990	1019291

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**

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