



LLX

The highest level of flexibility and economic efficiency - fibers from SICK

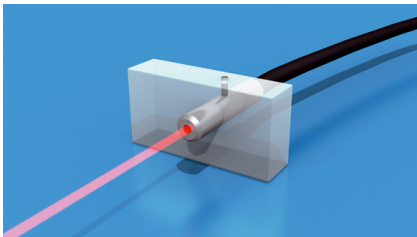
SICK
Sensor Intelligence.

Advantages



Solution for a wide range of detection tasks and installation situations

Fiber-optic sensors can be used where things get tight – both in terms of small installation spaces and when detection tasks are challenging. The LLX fiber-optic sensors from SICK guide the emitted light of the corresponding fiber-optic sensor to any detection location, no matter how small, and back again for evaluation. The fiber-optic sensors from SICK enable a high degree of parameter adjustment to any application, making them highly flexible in many aspects.



Tiny fiber-optic heads with minimum sleeve diameters of up to 1.5 mm can also be accommodated in very limited installation spaces – an important feature of sensors in increasingly compact machines.



Combined with SICK fiber-optic sensors for evaluating the signals, the fibers are the ideal solution for the widest range of detection tasks, even with strict precision requirements.



The LLX fiber-optic product range offers both through-beam and photoelectric sensor variants with smooth sleeves or threaded heads. You can also select between axial and radial fiber-optic heads. In addition, problem-free length adjustment as required is possible at an outstanding price-performance ratio.



Thanks to the small sizes of the fiber-optic heads, sensors can be used even when space is tight. Together with the corresponding fiber-optic sensors, different applications can be solved, and at a reasonable price. This enables the automation of compact machine designs with high efficiency.



Technical data overview

Housing material

Stainless steel

Product description

Special ambient conditions require special solutions. A common reason for use of fiber-optic sensors is tight installation space. Fibers from SICK can be laid flexibly at the most remote detection locations. They are space-saving and can be mounted in nearly any area thanks to the tiny size of the end sleeves. The product range is structured for good clarity as well as quick generation of new variants and also offers an excellent price/performance ratio. Combined with SICK fiber-optic sensors, the fibers can be used for the widest range of detection tasks, including strict precision requirements.

At a glance

- Proximity and through-beam fibers
- Threaded and smooth sleeve heads available
- Axial and radial fiber optic head alignment available
- Fiber optic heads with tiny dimensions
- Ambient condition-specific fiber lengths
- Product range constantly being extended to include new variants
- Excellent price/performance ratio

Your benefits

- Simple installation
- Solutions for difficult-to-access installation sites
- High degree of economic efficiency
- Compact mechanical engineering thanks to the minimal space requirements of the fibers
- Solution for a wide range of detection tasks

Fields of application

- Detection tasks above and beyond entire factory and logistics automation
- All presence detection applications which offer little installation space and require flexible solutions
- Electronics and solar
- Mechanical engineering
- Consumer goods

Ordering information

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

- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Jacket material:** plastic
- **Fiber-optic cable cuttable:** ✓

Functional principle	Thread diameter (housing)	Smooth sleeve diameter	Type	Part no.	
Proximity system	-	3 mm	LLTE-A2030111020E4	2115015	
			LLTE-A2030111040E4	2124207	
	M3	-	4 mm	LLTE-A2040111020E4	2115016
				LLTE-A1300111005E41ZZZZZZS021	2128123
		-	-	LLTE-A1300111020E4	2115011
					2127945
				LLTE-A1300111100E4	2136422
				LLTE-A1300111150E4	2133633
				LLTE-R1300111020E3	2115012
				LLTE-R1300111020E3	2115012
	M4	-	-	LLTE-A1400111020E4	2115013
				LLTE-A1400111030E4	2130487
				LLTE-A1400111070E4	2130894
				LLTE-R1400111020E3	2115014
Through-beam system	-	1.5 mm	LLSE-A2010111020B4	2115021	
			LLSE-A2010111100B4	2139189	
		-	3 mm	LLSE-A2030111020C4	2115022
	4 mm		LLSE-A2040111020C4	2115023	
	M3	-	LLSE-A1300111020C4	2115017	
			LLSE-R1300111020C2	2115018	
	M4	-	-	LLSE-A1400111020C4	2115019
				LLSE-A1400111050C4	2127411
				LLSE-R1400111020C2	2115020

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