



## LLX

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

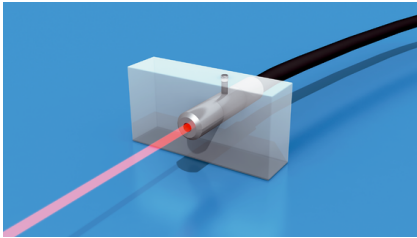
**SICK**  
Sensor Intelligence.

## 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](http://www.sick.com/LLX)

- **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            |                         |         |
|                      |                           | 4 mm                   | LLTE-A2040111020E4 | 2115016            |                         |         |
|                      |                           |                        | M3                 | -                  | LLTE-00111005E41ZZZZZZS | 2128123 |
|                      | LLTE-A1300111020E4        | 2115011                |                    |                    |                         |         |
|                      |                           | 2127945                |                    |                    |                         |         |
|                      | LLTE-A1300111100E4        | 2136422                |                    |                    |                         |         |
|                      | LLTE-A1300111150E4        | 2133633                |                    |                    |                         |         |
|                      | 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](http://www.sick.com)