



SICK Sensor Intelligence.

2D LIDAR SENSORS

LD-LRS3611 | LD-LRS

2D LIDAR SENSORS



Ordering information

Туре	Part no.
LD-LRS3611	1067186

Other models and accessories -> www.sick.com/LD-LRS

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Detailed technical data

Features		
Application		Outdoor
Light source		Infrared (905 nm)
Laser class		1 (IEC 60825-1:2014, EN 60825-1:2014)
Aperture angle		
	Horizontal	360°
Scanning frequency		5 Hz 15 Hz
Angular resolution		0.125°, Interlaced: 0,0625 0.125° 0.1875° 0.25° 0.375° 0.5° 0.75° 1°
Heating		Yes
Working range		5 m 250 m
Scanning range		
	At 10% remission factor	120 m
	At 90% remission factor	250 m
Mechanics/electro	onics	

Mechanics/electronics

Connection type	1 x 20-pin Harting plug
Supply voltage	24 V DC, ± 15 %
Power consumption	36 W, + 140 W heating
Housing	PU (polyurethane rigid integral foam)
Housing color	Gray (RAL 7032)
Enclosure rating	IP67
Protection class	III
Weight	+ 9.1 kg
Dimensions (L x W x H)	250 mm x 350 mm x 391.1 mm

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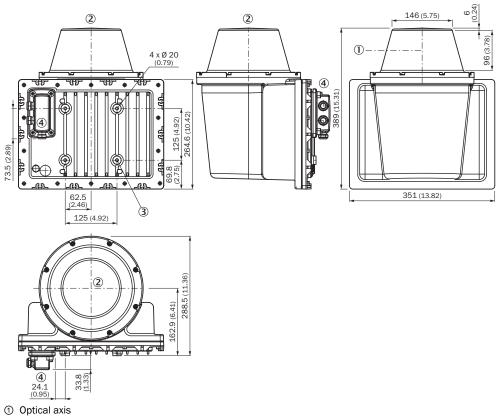
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MTBF	86 years		
Safety-related parameters			
MTTF _D	> 100 years		
Performance			
Detectable object shape	Almost any		
Systematic error	± 38 mm ¹⁾		
Statistical error	30 mm ¹⁾		
¹⁾ Actual value depends on environmental conditions.			
Interfaces			
Ethernet	✓, TCP/IP, RS-422		
Data transmission rate			
Digital outputs	1 (digital)		
Optical indicators	0		
Ambient data			
Ambient operating temperature	-25 °C +50 °C		
Storage temperature	-25 °C +80 °C		
General notes			
Note on use	The sensor does not constitute a safety component as defined by relevant legislation on ma- chine safety.		
Classifications			
ECLASS 5.0	27270990		
ECLASS 5.1.4	27270990		
ECLASS 6.0	27270913		
ECLASS 6.2	27270913		
ECLASS 7.0	27270913		
ECLASS 8.0	27270913		
ECLASS 8.1	27270913		
ECLASS 9.0	27270913		
ECLASS 10.0	27270913		
ECLASS 11.0 ECLASS 12.0	27270913 27270913		
ETIM 5.0	EC002550		
ETIM 6.0	EC002550		
ETIM 7.0	EC002550		
ETIM 8.0	EC002550		
UNSPSC 16.0901	41111615		

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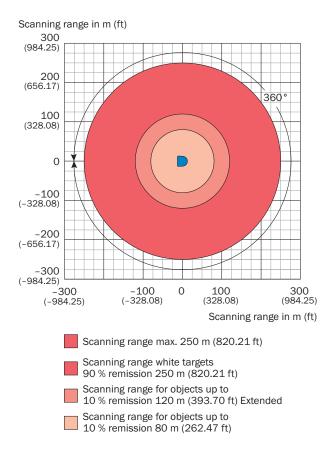
Dimensional drawing (Dimensions in mm (inch))



Zero level

- ③ Mounting hole M6 threaded -9 mm deep
- ④ RS-232/Ethernet/Power connection (20-pin harting connector)

Working range diagram



Recommended accessories

Other models and accessories -> www.sick.com/LD-LRS

	Brief description	Туре	Part no.
Mounting brac	ckets and plates		
	Mounting kit for wall-mounting (adjustment bracket), Steel, zinc coated (1.0330)	Mounting kit	2018303

2D LIDAR SENSORS

Recommended services

Additional services -> www.sick.com/LD-LRS

	Туре	Part no.		
Commissioning				
 Product area: 2D LiDAR sensors, 3D LiDAR sensors Range of services: Inspection of connection, fine adjustment, configuration of monitored areas, configuration and optimization of parameters as well as tests, Setup of previously defined functions of basic settings, parameters of field application, filters for raw data output and product-specific configuration Travel expenses: The prices do not include travel costs such as hotel, flight, travel time and expenses. Duration: Additional work will be invoiced separately 	Commissioning LiDAR sensors	1680672		
Maintenance				
 Product area: 2D LiDAR sensors, 3D LiDAR sensors Range of services: Inspection, analysis and restoring of defined functions, Inspection and adaptation of basic settings, parameters of field application, filters for raw data output, and product-specific configuration Duration: Additional work will be invoiced separately Travel expenses: The prices do not include travel costs such as hotel, flight, travel time and expenses. 	Maintenance of LiDAR sensors	1682593		
Extended warranty				
 Product area: Identification solutions, machine vision, Detection and ranging solutions, safety camera sensors, Safety laser scanners, Safety radar sensors Range of services: The services correspond to the scope of the statutory manufacturer warranty (SICK general terms of delivery). Duration: Five-year warranty from delivery date. 	Extended warranty for a total of five years from delivery date	1680671		

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



Online data sheet

