



# LFS-C-50A

## Sensor specification



<b>Parameter</b>	<b>Value</b>
Maximal Detection Range (typical human with reflectivity $\geq 30\%$ ).	Up to 50 m
Maximal Detection Range for a Low (10%) Reflective Object	Max. 30 m
Angular Resolution	2 mR (0.125°)
Maximal Scanning Angle	100°
Beam Inclination Angle	0°, 2°, 4°, 6°
Adaptivity to Periodically Movement Objects (Trees, Bushes, etc.)	Yes
Scan Rate	4 ÷ 5 Hz
Pulse Repetition Frequency (PRF)	5 ÷ 6 kHz
Mounting Height	0-25m
Output Interface	Dry contact / RS 485
Laser Safety Class	Class 1 (eye safe)
Wavelength	905nm
Operating Ambient Temperature	- 25°C ÷ + 50°C
Storage Temperature	- 35°C ÷ + 70°C
Supply Voltage	10-15 VDC @ 1A (12 Watt)
Installation position	Vertical / Horizontal
Enclosure rating	IP 67
Weight	3.9 Kg
Dimensions (W x D x H)	240 x 240 x 180 mm