



DATA SHEET

WSE130L-52

W130
Photoelectric sensors

SICK

Sensor Intelligence



Illustration may differ

PHOTOELECTRIC SENSORS

WSE130L-52

ORDERING INFORMATION

Type	part no.
WSE130L-52	6029865

Further device versions and accessories at www.sick.com/W130



DETAILED TECHNICAL DATA

FEATURES

Functional principle	Through-beam photoelectric sensor
Dimensions (W x H x D)	13.4 mm x 47 mm x 52.9 mm
Housing design (light emission)	Rectangular
Sensing range max.	0 m ... 3.5 m
Type of light	Visible red light
Light source	Laser ¹⁾
Laser class	1, EN 60 825-1
XXX	30 mm x 2.5 mm (parallel)
Adjustment	None

¹⁾ Average service life: 50,000 h at T₀ = +25 °C.

MECHANICS/ELECTRONICS

Connection type	Cable with male connector, 2 m ^{1) 2)}
Cable material	PVC/PBT
Protection class	III
Weight	100 g
Housing material	Plastic, PC
Optics material	Plastic, PMMA
Enclosure rating	IP67
Ambient operating temperature	-10 °C ... +55 °C
Ambient temperature, storage	-25 °C ... +70 °C

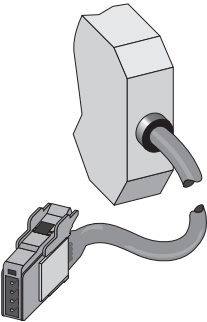
¹⁾ Connection between sensor head and evaluation unit with system-specific connector.

²⁾ Do not bend below 0 °C.

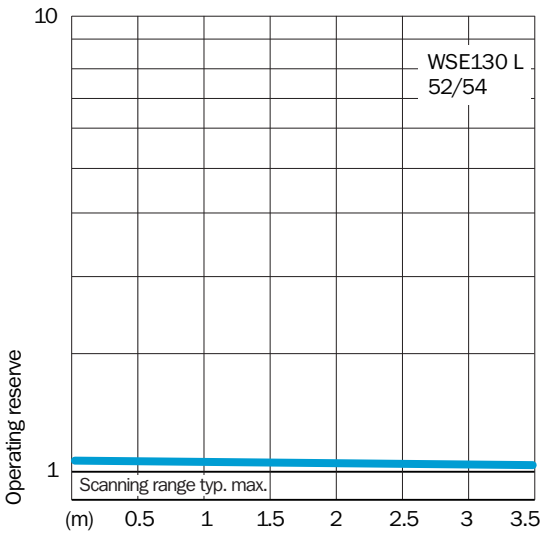
CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
Moroccan declaration of conformity	✓
China RoHS	✓
cRUus certificate	✓
Laser safety (IEC 60825-1) certificate	✓

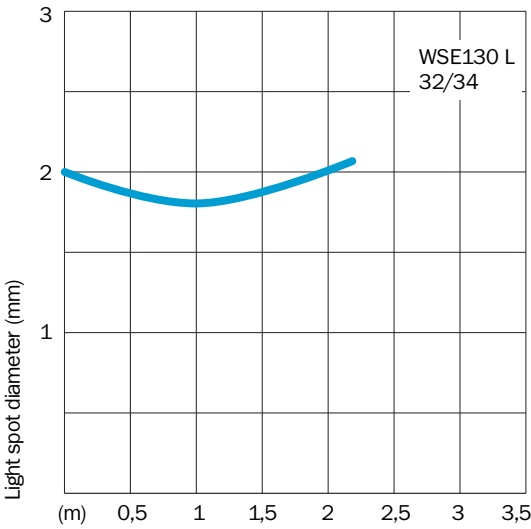
CONNECTION TYPE



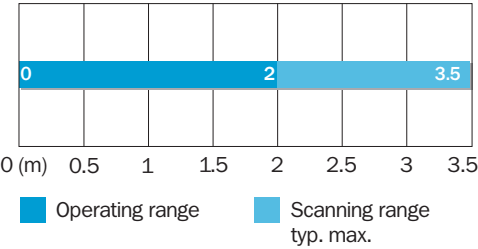
CHARACTERISTIC CURVE



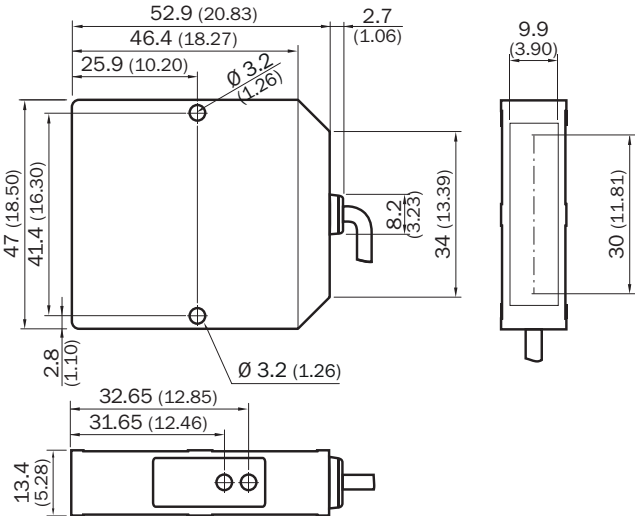
LIGHT SPOT SIZE



SENSING RANGE DIAGRAM



DIMENSIONAL DRAWING



- Dimensions in mm (inch)
- ① mounting hole Ø 3.2 mm
 - ② parallel laser line
 - ③ LED indicator green: Supply voltage active
 - ④ LED indicator orange: switching output active

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/6029865



SICK AG
WALDKIRCH
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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