



Photoelectric sensors W130 Laser, Photoelectric retro-reflective sensor

WL130L-32



Model Name > [WL130L-32](#)
Part No. > [6029862](#)



Illustration may differ

At a glance

- Laser sensor in compact housing
- Red light laser class 2
- Coaxial light path
- Configuration via evaluation unit
- Laser line light beam possible through attachment lens

Your benefits

- Versatile configuration options for individual application solutions
- Quick and easy alignment due to red light laser class 2
- Precise detection capabilities due to small laser light spot and autocollimation optics
- Compact housing enables simple machine integration



Features

Sensor/detection principle:	Photoelectric retro-reflective sensor
Dimensions (W x H x D):	13.4 mm x 26.5 mm x 34.6 mm
Housing design (light emission):	Rectangular
Sensing range max.:	0 m ... 10 m
Sensing range:	0 m ... 7 m
Type of light:	Visible red light
Light source:	Laser ¹⁾
Light spot (distance):	2 mm (2 m)
Laser class:	2 (IEC 60 825-1/C.D.R.H.)
XXX:	26 mm x 0.5 mm (200 mm)

¹⁾ Average service life 50,000 h at Ta = +25 °C

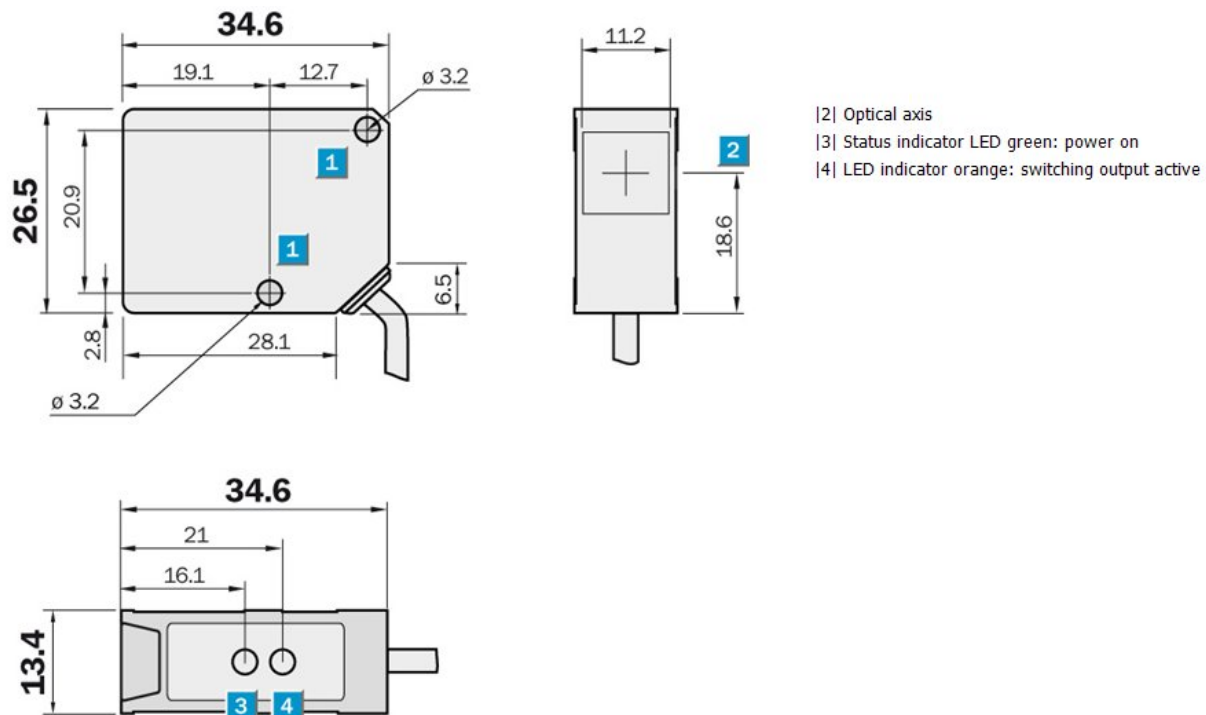
Mechanics/electronics

Connection type::	Cable with connector, 2 m ^{1) 2)}
Cable material:	PVC/PBT
Protection class:	III
Polarisation filter:	✓
Housing material:	PC
Optics material:	PMMA
Enclosure rating:	IP 67
Items supplied:	P41F reflector

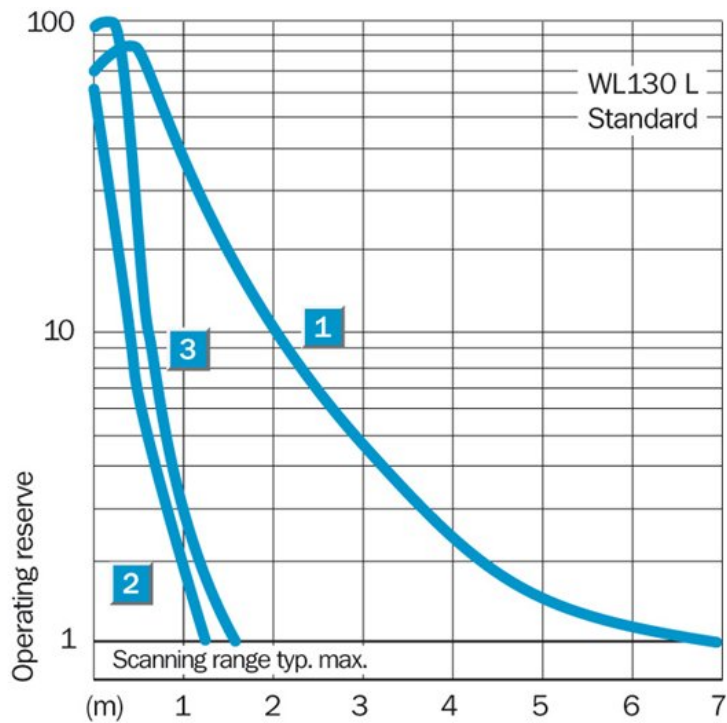
Ambient operating temperature: -10 °C ... 55 °C
 Ambient storage temperature: -25 °C ... 70 °C
 UL File-No.: 242361 (0720256-00)

¹⁾ Connection between sensor head and evaluation unit with system-specific plug ²⁾ Do not bend below 0 °C

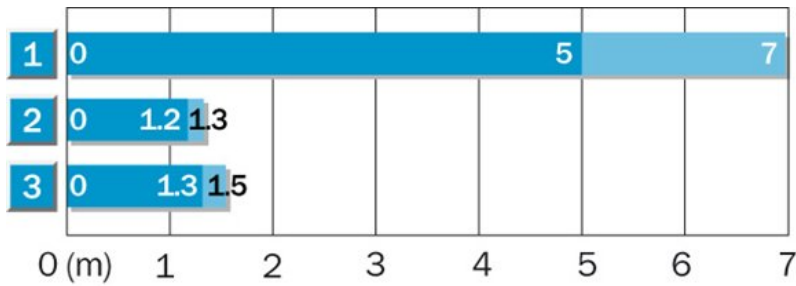
Dimensional drawing



Characteristic curve



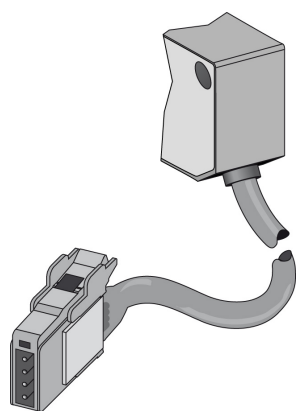
Sensing range diagram



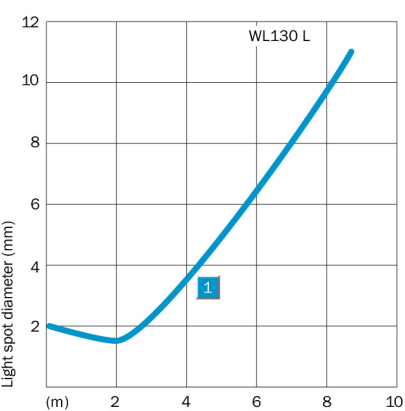
Operating range Scanning range typ. max.

Reflector type	Operating range
1 P41F (without tip adapter lens)	0 ... 5 m
2 P41F (with area tip adapter lens)	0 ... 1.2 m
3 P41F (with line tip adapter lens)	0 ... 1.5 m

Connection type



Light spot size



Australia

Phone +61 3 9457 0600
1800 334 802 – tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail sac@sick.com.br

Canada

Phone +1 905 771 14 44
E-Mail information@sick.com

Ceská Republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +86 4000 121 000
E-Mail info.china@sick.net.cn
Phone +852-2153 6300
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-301
E-Mail kundenservice@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-6801000
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 3358 1341
E-Mail support@sick.jp

Magyarország

Phone +36 1 371 2680
E-Mail office@sick.hu

Nederlands

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail austefjord@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7-495-775-05-30
E-Mail info@sick.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail admin@sicksgp.com.sg

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

South Africa

Phone +27 11 472 3733
E-Mail info@sickautomation.co.za

South Korea

Phone +82 2 786 6321/4
E-Mail info@sickkorea.net

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886-2-2375-6288
E-Mail sales@sick.com.tw

Türkiye

Phone +90 (216) 528 50 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 (0) 4 8865 878
E-Mail info@sick.ae

USA/México

Phone +1(952) 941-6780
1 800-325-7425 – tollfree
E-Mail info@sickusa.com

More representatives and agencies
at www.sick.com