



Photoelectric sensors
W130 Laser, Photoelectric proximity sensor,
energetic

WT130L-32



Model Name > [WT130L-32](#)
Part No. > [6029861](#)



Illustration may differ

At a glance

- Laser sensor in a compact housing
- Quick and easy alignment due to red light laser class 2
- Coaxial light path
- Configuration via evaluation unit

Your benefits

- Versatile configuration options for individual application solutions
- Quick and easy alignment due to red light laser class 2
- Compact housing easily fits in tight spaces
- Compact housing enables simple machine integration



Features

Sensor/detection principle:	Photoelectric proximity sensor, energetic
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 mm ... 1,200 mm
Sensing range:	30 mm ... 1,000 mm ¹⁾
Type of light:	Visible red light
Light source:	Laser ²⁾
Light spot (distance):	1 mm (1 m)
Laser class:	2 (IEC 60 825-1/C.D.R.H.)

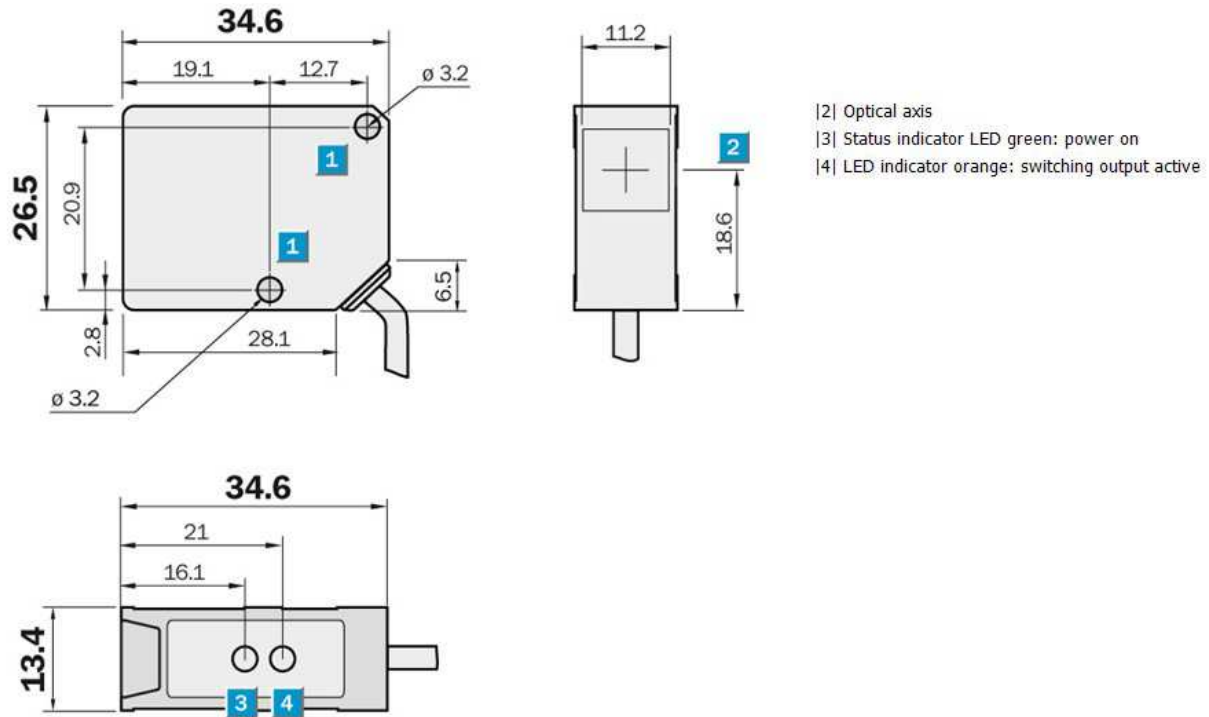
¹⁾ Objects to be sensed with 90% reflectivity (based on DIN 5033 white standard). sensing distance dependent on selected operating mode ²⁾ Average service life 50,000 h at Ta = +25 °C

Mechanics/electronics

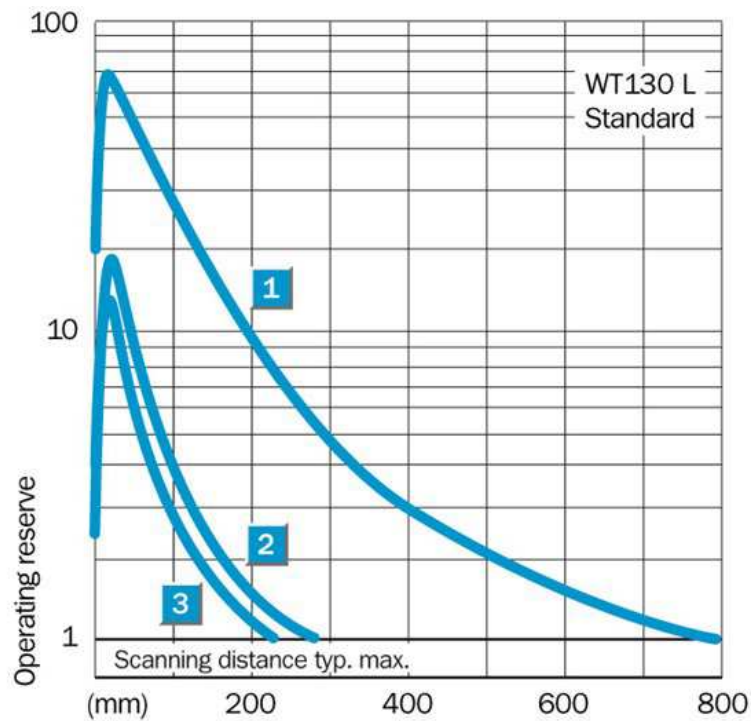
Electrical connection::	Cable with connector, 2 m ^{1) 2)}
Cable material:	PVC/PBT
Protection class:	III
Housing material:	PC
Optics material:	Glass
Enclosure rating:	IP 67
Ambient temperature operation:	-10 °C ... 55 °C
Ambient storage temperature:	-25 °C ... 70 °C
UL File-No.:	242361 (0720256-00)

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

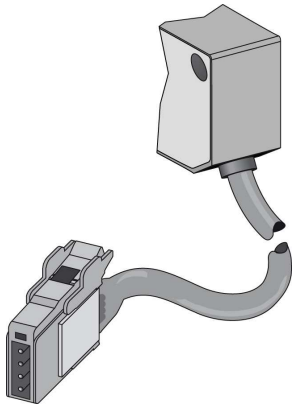
Dimensional drawing



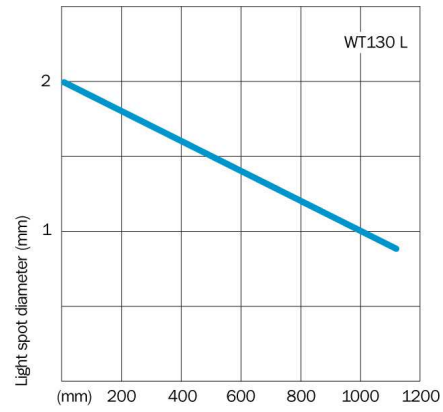
Characteristic curve



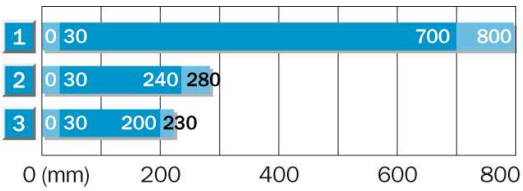
Connection type



Light spot size



Sensing range diagram



■ Operating distance
 ■ Scanning distance typ. max.

1	Scanning distance on white, 90 % remission
2	Scanning distance on grey, 18 % remission
3	Scanning distance on black, 6 % remission

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