



## Photoelectric sensors W130 Laser, Through-beam photoelectric sensor

WSE130L-54



**Model Name** > **WSE130L-54**  
**Part No.** > **6029868**



*Illustration may differ*

#### At a glance

- Parallel 30 mm wide laser line
- Sensing range up to 2 m
- Laser class 1 laser light
- Configuration via evaluation unit, e.g., for web edge guidance and detection of objects with position tolerance

#### Your benefits

- Versatile configuration options for individual application solutions
- Precise web edge guidance and detection of objects with high tolerance accuracy
- Laser light is laser class 1, which provides a high level of eye protection that eliminates the potential for eye injury



#### Features

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Sensor/detection 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 <sup>1)</sup>               |
| Laser class:                     | 1 (EN 60 825-1)                   |
| XXX:                             | 30 mm x 2.5 mm (parallel)         |

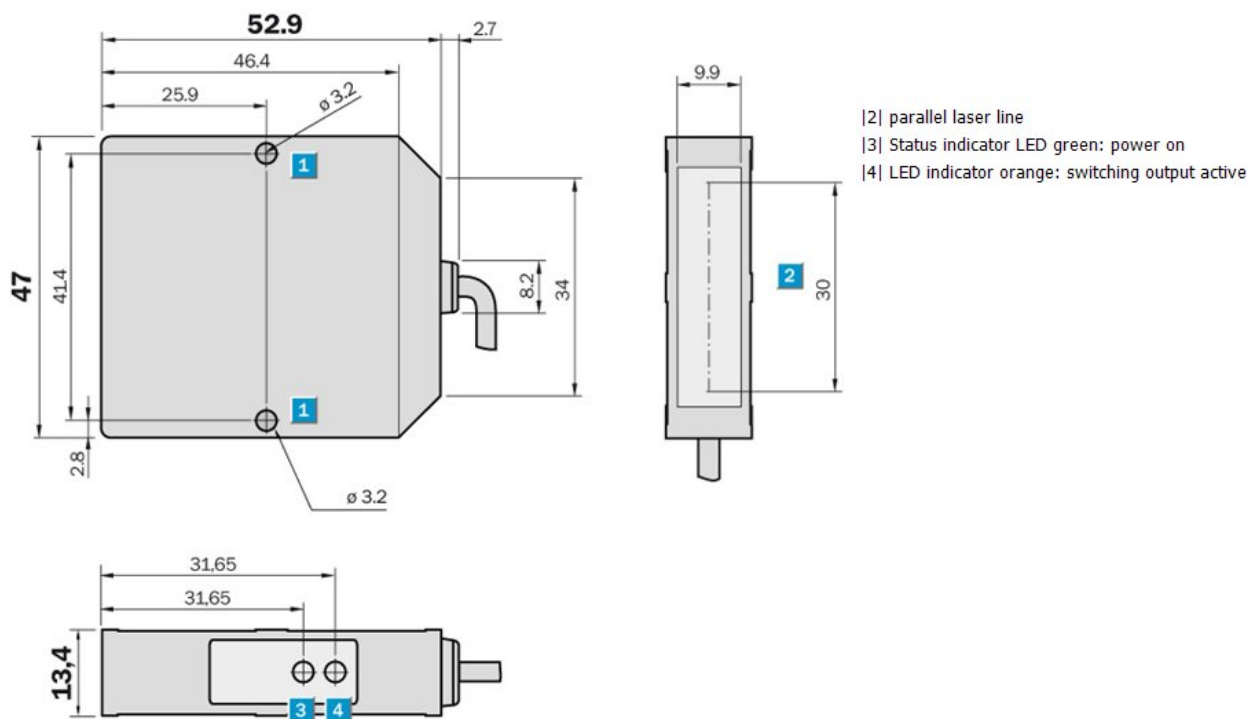
<sup>1)</sup> Average service life 50,000 h at T<sub>A</sub> = +25 °C

#### Mechanics/electronics

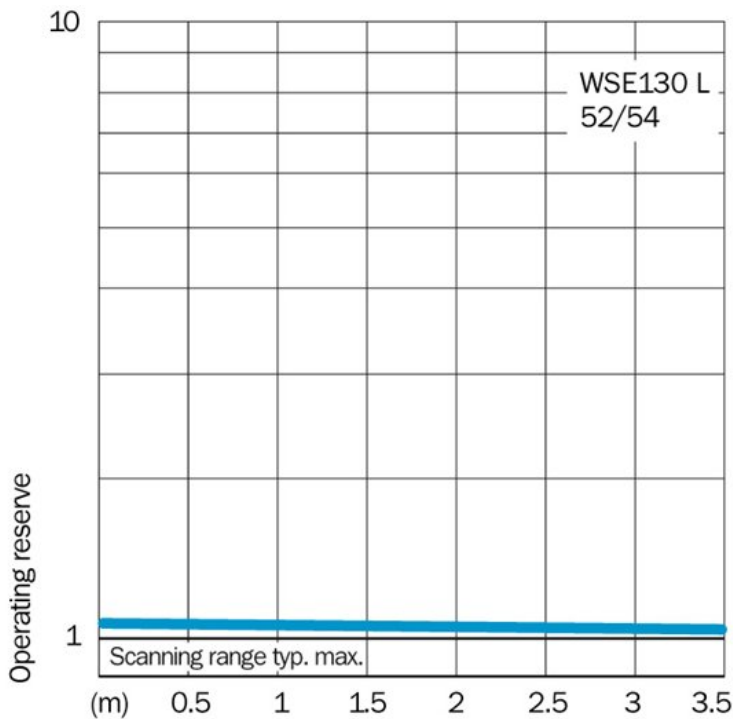
|                                |                                                         |
|--------------------------------|---------------------------------------------------------|
| Connection type.:              | Cable with connector and coupling, 2 m <sup>1) 2)</sup> |
| Cable material:                | PVC/PBT                                                 |
| Protection class:              | III                                                     |
| Housing material:              | Plastic, PC                                             |
| Optics material:               | PMMA                                                    |
| Enclosure rating:              | IP 67                                                   |
| Ambient operating temperature: | -10 °C ... 55 °C                                        |
| Ambient storage temperature:   | -25 °C ... 70 °C                                        |

<sup>1)</sup> M8 system cable, 2 m required for connection. Included in delivery <sup>2)</sup> Do not bend below 0 °C

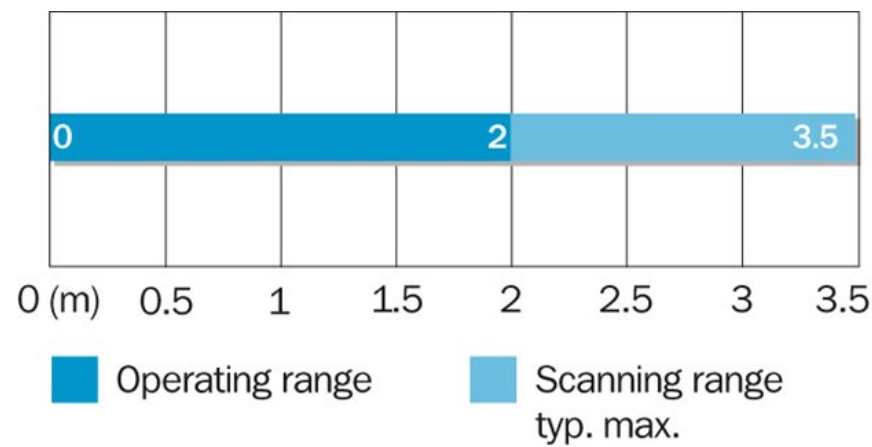
Dimensional drawing



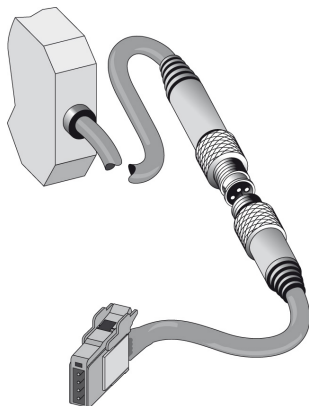
Characteristic curve



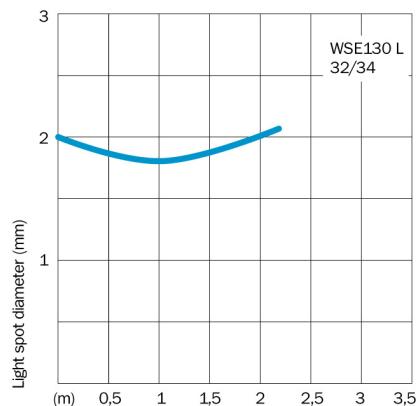
Sensing range diagram



Connection type



Light spot size



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