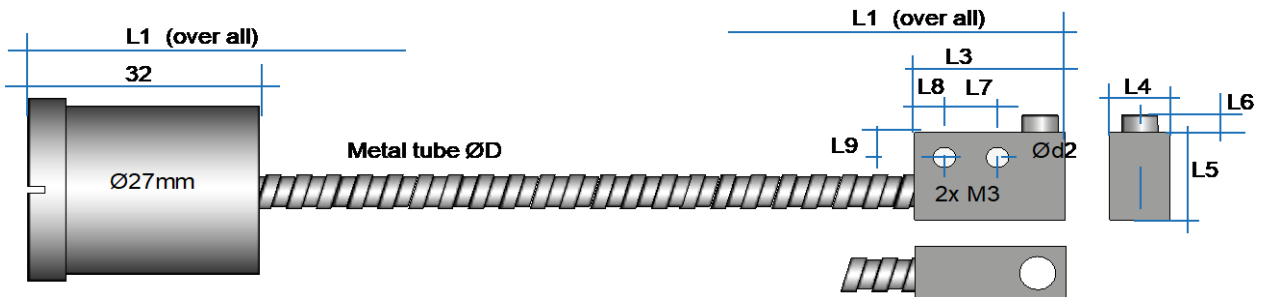


Data sheet MATRIX light guide

Light sensor with brass protective sleeve and 90° angle head

Light guides suitable for optical non-Ex sensors M30 x 1.5. The light guides are mounted with a union nut M30 x 1.5. These are usually not included in the scope of delivery and must be ordered separately. (Union nut M30 // 20mm)

| | |
|-----------------------|---|
| Function | Diffuse reflective |
| Structure | 1-armed |
| Arm lengths | Fixed, cannot be cut to length |
| Fibre | Glass fibre bundle |
| Active area | Fibre bundles mixed or separated |
| Coat | Metal |
| Bending radius | 50mm |
| Headboard | Steel/Alu |
| Operating temperature | -20°C to 120°C |
| Working distance | Depending on the arm length from the light guide and the sensor performance |
| Light frequency | Preferably infrared |
| Light attenuation | Yes |



25.11.21/PH

| Active surface approx. 4mm ² | Dimensions in mm | | | | | | | | | | | |
|---|------------------|----|----|----|----|----|----|----|----|---|----|-----|
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | D | d1 | d2 |
| YMS-500/2-I-90°-M05 | 500 | | 20 | 8 | 13 | 2 | 7 | 4 | 4 | 5 | | 4,9 |
| YMS-1000/2-I-90°-M05 | 1000 | | 20 | 8 | 13 | 2 | 7 | 4 | 4 | 5 | | 4,9 |
| YMS-2000/2-I-90°-M05 | 2000 | | 20 | 8 | 13 | 2 | 7 | 4 | 4 | 5 | | 4,9 |