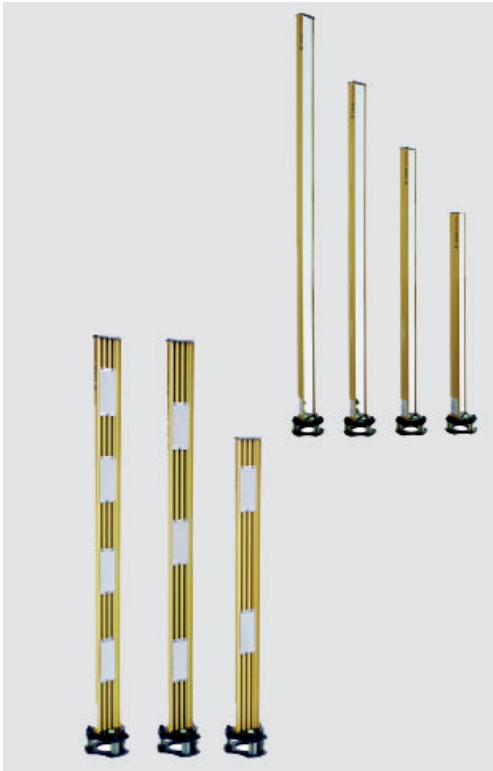


**UMC**



**Mirror columns for Safety Light Curtains and Multiple Light Beam Safety Devices**

The mirror columns UMC are used for the beam deflection of Safety Light Curtains and Multiple Light Beam Safety Devices in order to achieve multi-sided safeguarding of danger zones. They allow a precise vertical and axial alignment of the mirrors. Spring elements at the base of the column provide for automatic reset following mechanical impacts.

UMC-1000, UMC-1300, UMC-1600, and UMC-1900 have one continuous mirror surface for the beam deflection of Safety Light Curtains.

UMC-1002, -1303 and -1304 are equipped with 2, 3 and 4 single mirrors for the beam deflection of single light axes.

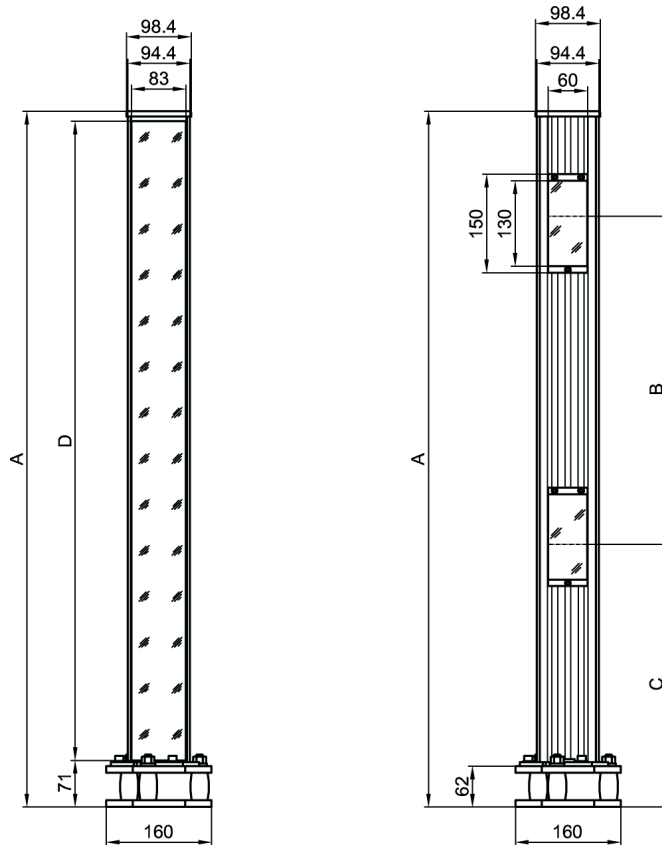
**Advantages**

- Robust profile construction in an attractive design
- Special spring elements automatically reset the position in case of mechanical impacts
- Includes a complete assembly kit for floor mounting
- Easy to mount; vertical and axial adjustment can be completed quickly in just a few steps
- Continuous mirror or exchangeable and separately adjustable individual mirrors with beam gap in accordance with EN 999

**Areas of application**

Multi-sided safeguarding of danger zones in combination with Multiple Light Beam Safety Devices COMPACT, COMPACT*plus*, ROBUST or Safety Light Curtains COMPACT, COMPACT*plus*, ECO oder SOLID.

**Dimensional drawing**



**Dimensional table:  
UMC with continuous mirror**

Type	Mea. A [mm]	Mea. D [mm]
UMC-1000	1060	974
UMC-1300	1360	1274
UMC-1600	1660	1574
UMC-1900	1960	1874

**Dimensional table:  
UMC with single mirrors**

Type	Mea. A [mm]	Mea. B [mm]	Mea. C [mm]
UMC-1002	1060	1 x 500	400
UMC-1303	1360	2 x 400	300
UMC-1304	1360	3 x 300	300

Other heights on request

Art-Nr. 601901

Änderungen vorbehalten

## UMC

### Technical data

Mirrors	2, 3 or 4 individually adjustable single mirrors or one continuous mirror surface
Housing	Aluminum profile housing and steel floor plates
Surface	Powder-varnished, yellow (RAL 1021)
Range	Reduction in the stated device range per deflection of approx. 10 %

### Ordering information

Type	Art. no.
UMC-1002 (2 single mirrors, 500 mm interval <sup>*)</sup> )	549702
UMC-1303 (3 single mirrors, 400 mm interval <sup>*)</sup> )	549703
UMC-1304 (4 single mirrors, 300 mm interval <sup>*)</sup> )	549704
UMC-1000 (1 continuous mirror, height 974 mm <sup>**</sup> )	549710
UMC-1300 (1 continuous mirror, height 1274 mm <sup>**</sup> )	549713
UMC-1600 (1 continuous mirror, height 1574 mm <sup>**</sup> )	549716
UMC-1900 (1 continuous mirror, height 1874 mm <sup>**</sup> )	549719
LA-78U	560020
LA-78UDC, laser alignment aid for COMPACT, COMPACT <sup>plus</sup> and ROBUST in the UDC- or DC-column	520004

<sup>\*)</sup> Suited for Multiple Light Beam Safety Devices with single beams like COMPACT, COMPACT<sup>plus</sup> or ROBUST

<sup>\*\*</sup>) Suited for Safety Light Curtains with a continuous sensing zone, such as COMPACT, COMPACT<sup>plus</sup>, ECO or SOLID

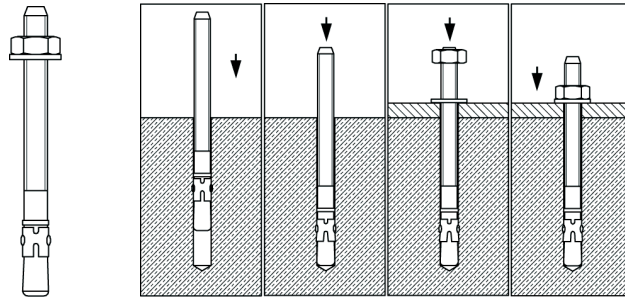
### Mounting Instructions:

#### Required parts and tools:

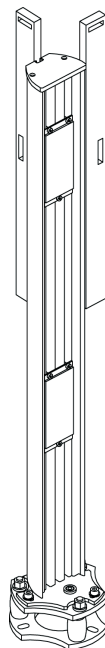
- 6 mm Allen-type wrench
- 16 mm hexagonal wrench
- 17 mm hexagonal wrench
- Spirit level
- Electric drill with a 10 mm stone drill bit

#### Procedure:

1. Determine the mid-points for mounting the columns by using the base plate and mark them on the floor.
2. Beginning at the mid-points, mark the connecting lines on the floor for a length of approx. 90 mm. The angle of the mirror to the coming beam should be the same as to the going beam.
3. Place the drill template on each mid-point, orienting it according to the connecting lines. Mark the hole positions.
4. Drill mounting holes 80 mm deep and insert floor braces.



5. Set up the columns, screw them firmly into place, adjust roughly using the level.
6. Using the adjustment screws (b), adjust the vertical position of the mirror column, checking the adjustment with the spirit level.



- a = level
- b = vertical adjustment screws
- c = Allen-type screws
- d = 3 drillings in the floor for floor braces (Ø 10 mm)
- e = plastics spring element with automatic retraction

7. Loosen the Allen-type screws (c) and turn the column until the beam of the laser alignment aid hits the next mirror or device column in the middle. At devices with separate individual mirrors use additionally the 3 adjustment screws at the mirrors. Afterwards tighten the allen screws.