# Safety Light Curtains
Accessories

Deviating Mirrors

By installing the safety light curtains by direct alignment, it is possible to cover a dangerous area. The **SRN** mirrors, placed in right position, allow to reflect the beams emitted by the light curtains and consequently can be used to control more contiguous sides of hazardous zones, as shown in the pictures sideways and below.
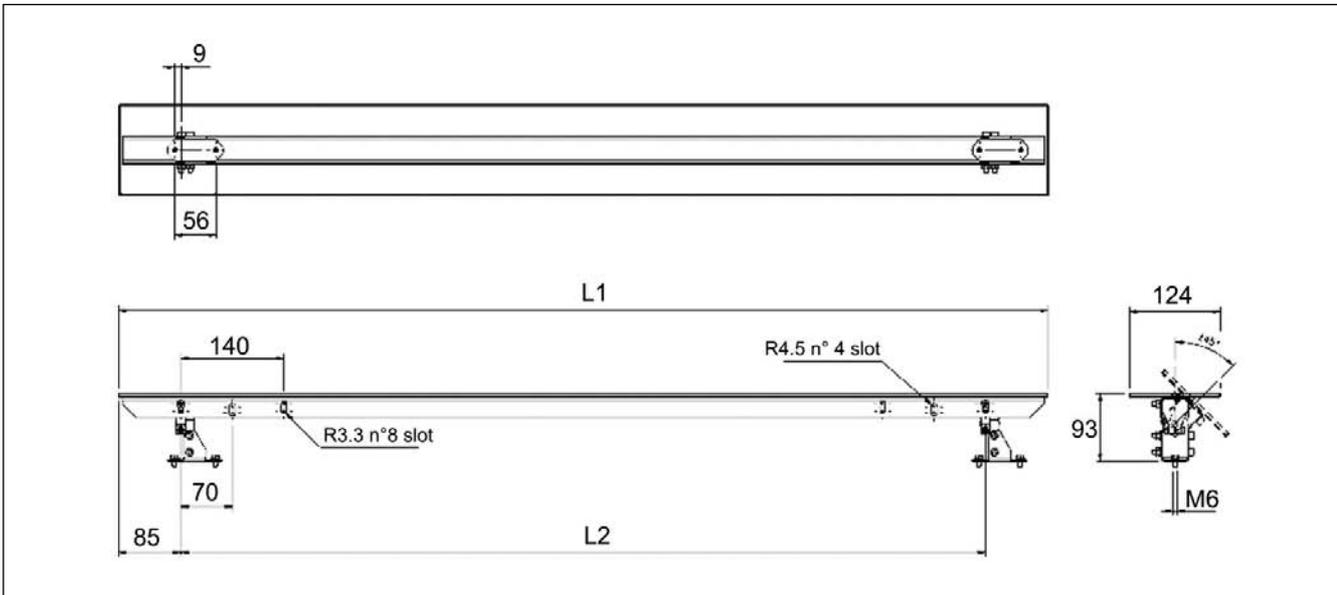
It is important to take into consideration that the introduction of mirrors causes the decrease of the operating distance of the safety light curtains by 15% for each reflection. Where needed, the use of the LASP laser pointer is advisable to make easier the alignment procedure.

S = minimum safety distance
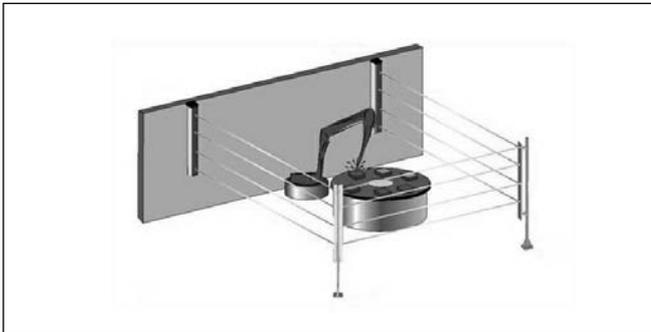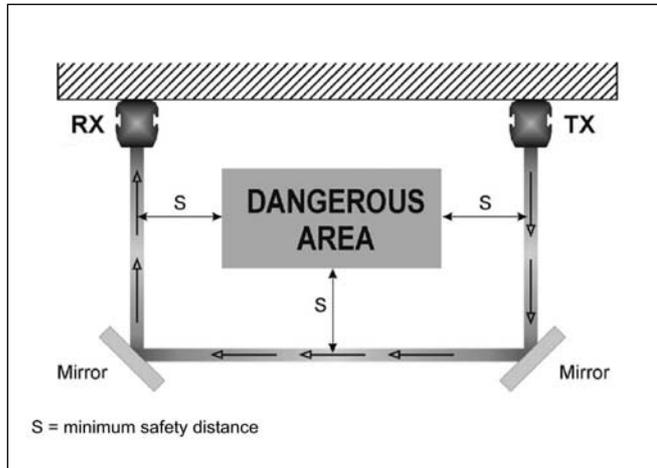
Ordering Key

	SRN-900

Deviating Mirror Series
Dimensions

Type Selection

Item number	L1 (mm)	L2 (mm)
SRN-500	554	384
SRN-600	704	534
SRN-800	904	734
SRN-900	1004	834
SRN-1200	1234	1094
SRN-1500	1604	1434
SRN-1650	1804	1634

Specifications are subjected to change without notice (10.01.03)

Connectors

M12 Shielded connectors to be used for wiring the safety light curtains. Connectors for emitter units are provided with 4 poles while the version dedicated to receiver units with 8 poles.
Three standard cable lengths are given below, other lengths are available upon request.

Ordering Key | CFB-1A4/3MT

Female Connector ————
Diameter 12 mm ————
Axial ————
4 poles ————
Cable lenght ————

Type Selection

Cable Length	Ordering 4-pole connector (Tx)	Ordering 8-pole connector (Rx)
3 m	CFB-1A4/3MT	CFB-1A8/3MT
5 m	CFB-1A4/5MT	CFB-1A8/5MT
10 m	CFB-1A4/10MT	CFB-1A8/10MT

Laser pointer

For all those applications where the alignment of the safety light curtains can be difficult as consequence of the long distance between the emitter and the receiver units or the adoption of one or more deviating mirrors to protect contiguous sides of a dangerous area, the **LASP** laser pointer can be used.
By inserting the **LASP** laser pointer in the upper part of the emitting unit (and then in the lower one), using one of the two side slots of the profile (refer to drawing), the right alignment can be easily achieved thanks to the visible indication.
The **LASP** laser pointer is powered by three 1.5 V LR-44 type batteries.
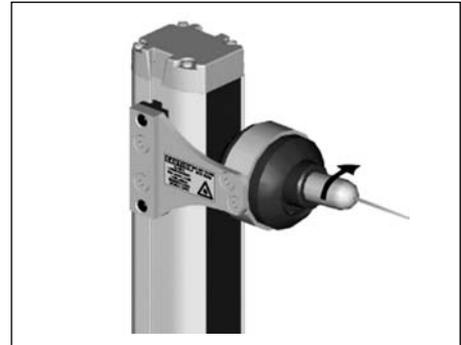
Floor stands

The floor stand of the **SPT** series can be used for the installation of both emitter and receiver units of the **SB2** and **SB4** safety light curtains series, as well as for the **SRN** deviating mirror series. Five versions with different lengths are available in order to satisfy all application needs.
Where needed, the **SPT** floor stand series can be also equipped with protective stands of the **CPZ** series.
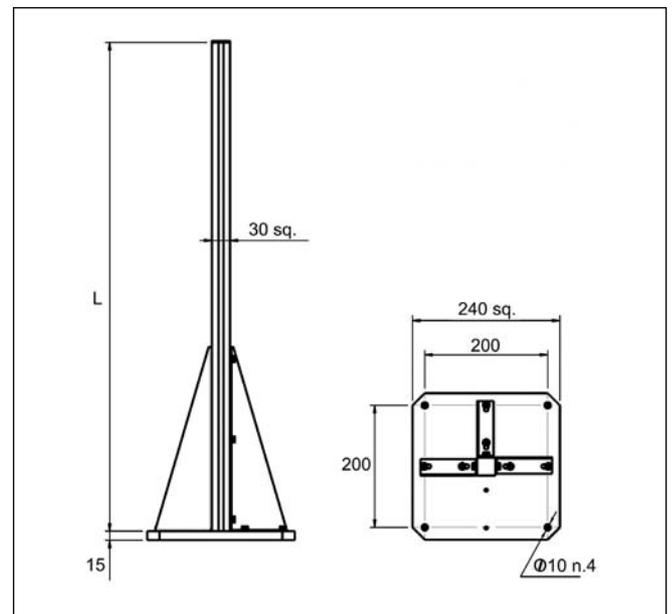
Ordering Key | SPT-1200

Floor stand ————
Lenght (mm) ————

Type Selection

Item number	L (mm)
SPT-800	800
SPT-1000	1000
SPT-1200	1200
SPT-1500	1500
SPT-1800	1800

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Protective stands

The protective stands of the **CPZ** series can be mounted on the **SPT** floor stands by using two M6 x 10 screws, and relative washers and square nuts.

The **CPZ** series includes a complete range of protective stands in terms of different lengths, allowing to choose the right model for each safety light curtain.
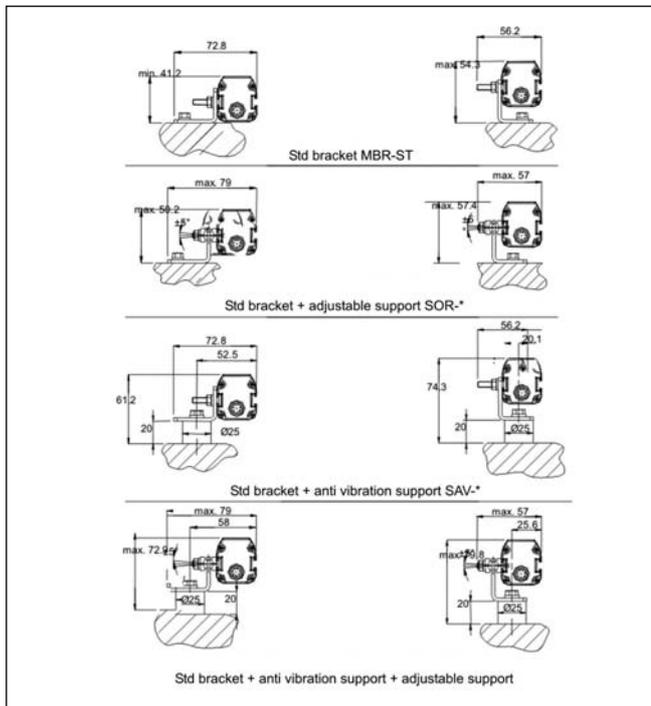
Type Selection

Item number	Overall lenght L (mm)
CPZ-150	273
CPZ-300	420
CPZ-450	567
CPZ-600	714
CPZ-750	861
CPZ-800	969
CPZ-900	1069
CPZ-1050	1155
CPZ-1200	1369
CPZ-1350	1449
CPZ-1500	1596
CPZ-1650	1743

Ordering Key

CPZ-1500

Protective stand series
Dimensions

Std bracket MBR-ST

Std bracket + adjustable support SOR-*

Std bracket + anti vibration support SAV-*

Std bracket + anti vibration support + adjustable support

Brackets and supports

The model **MBR-ST** is the spare kit including four standard mounting brackets.
The series **SOR-*** of adjustable mounting supports is used to allow the orientation of the safety light curtains in a range of ± 5° with respect to the longitudinal axis, while the **SAV-*** version of supports is addressed to applications where the absorption of the vibrations caused by the machinery on which the safety light curtains are installed is necessary.

Type Selection

Type	4 pcs. kit	6 pcs. kit
standard	MBR-ST	–
adjustable	SOR-4	SOR-6
anti-vibration	SAV-4	SAV-6

Muting signalling lamp LSM

The **LSM** muting lamp must be used in order to signal properly when **SB2** or **SB4** safety light curtains are operated in partial or total muting mode. To avoid inappropriate and unsafe use of the muting function, if the lamp is not connected, the muting request causes the opening of the safety outputs and the device gets stopped due to lamp anomaly.

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