

The mirrors for immaterial enclosures can be orientable (SMO) or supplied with Orientable/movable Ground Base (BTO).

The mirror is inserted into a V aluminium housing yellow coloured RAL1021 as foreseen in the standards for all the safety components used in the industry.

It is normally supplied by including Orientable Support Brackets (SMO) for attachment. (Fig.1 and Fig.3)

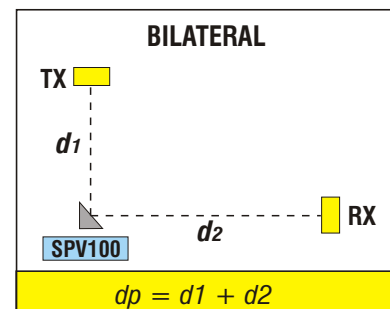
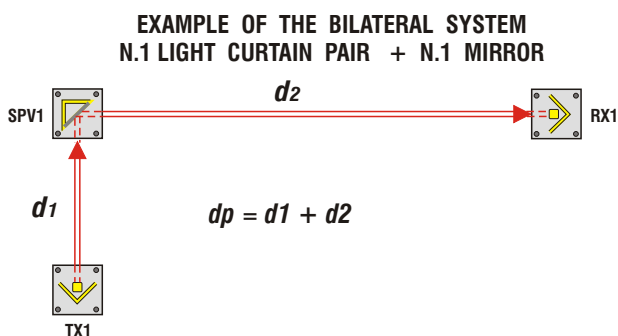
The mirror SPV100 used with its Orientable/movable Ground Base (BTO) (optional) is easier to install and it allows a precise adjustment. (Fig.2 and Fig.4)

The use of the mirror reduces the total distance between TX and RX as indicated in the paragraph ATTENUATION CALCULATIONS.

The mirror height is calculated when you order according to the lightguard model you order.

Anyway if you want to know effective height of the mirror (HU) you add 200 mm to the protected height (HP) of the light curtain chosen if the mirror is required with fastening SMO (Orientable Support Brackets) or you add 360mm to the protected height (HP) if the mirror is required with the BTO (Orientable Ground Base).

ATTENUATION CALCULATIONS (one mirror)



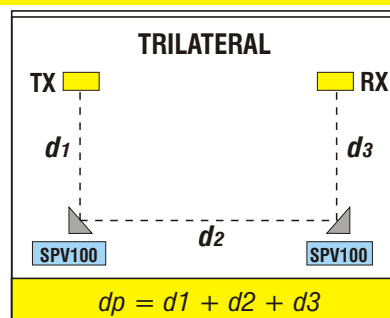
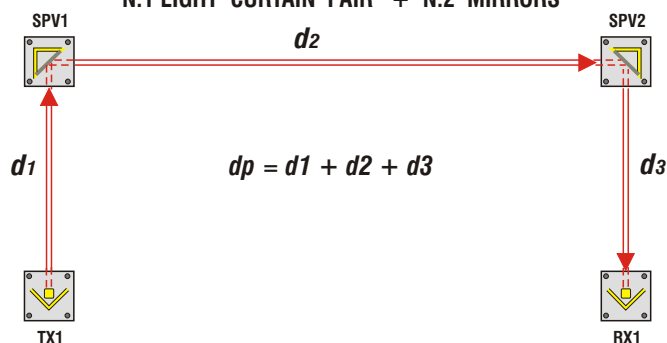
where dp = perimeter

ATTENUATION MIRROR 20%

Perimetral max distance of the Light Curtain divides up model is :

NR = 6 meters	- 20% = 4,8 meters
MR = 16 meters	- 20% = 12,8 meters
HR = 30 meters	- 20% = 24,0 meters

EXAMPLE OF THE TRILATERAL SYSTEM N.1 LIGHT CURTAIN PAIR + N.2 MIRRORS



where dp = perimeter

ATTENUATION MIRROR 36%

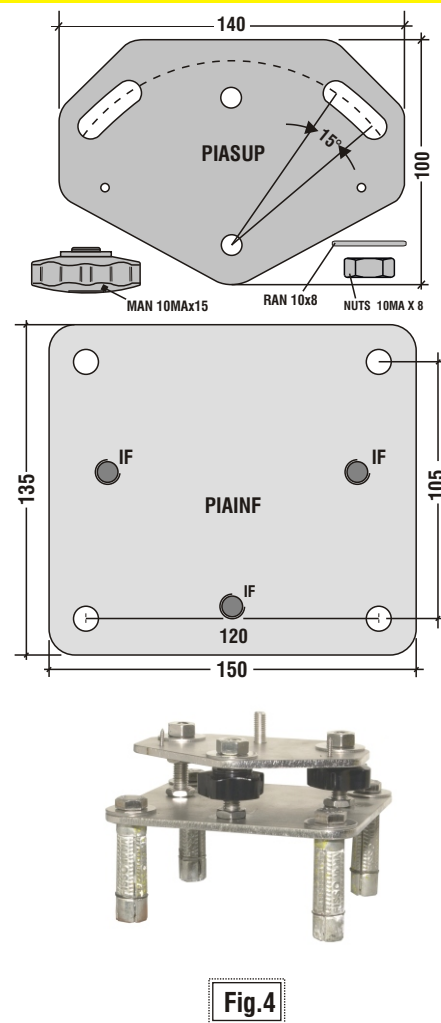
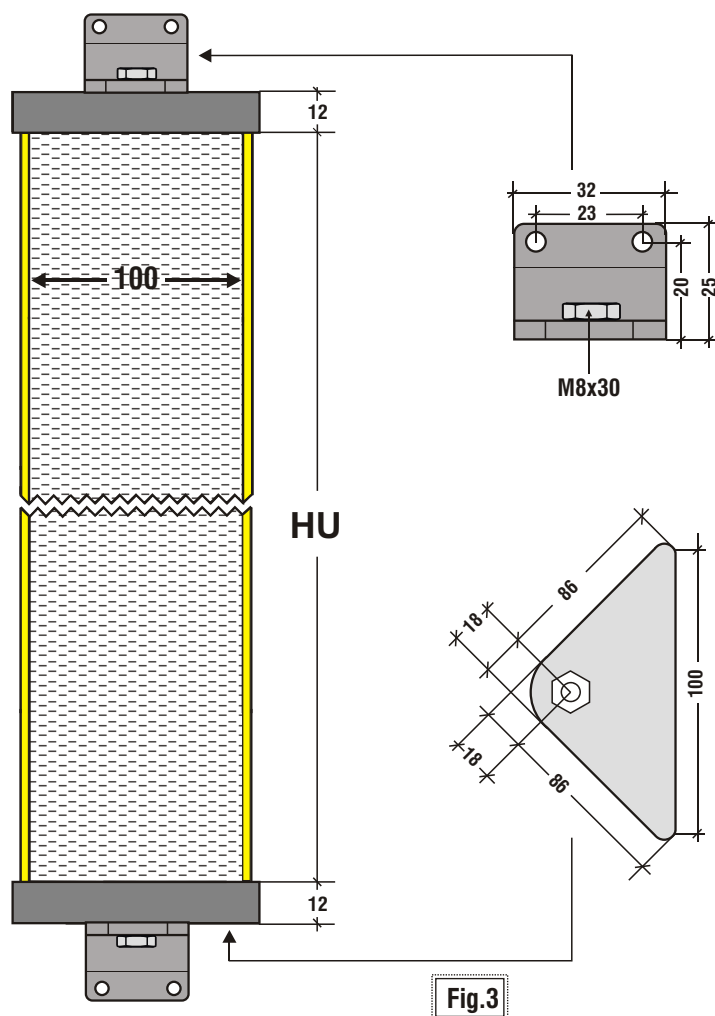
Perimetral max distance of the Light Curtain divides up model is :

NR = 6 meters - 36% = 3,8 meters

MR = 16 meters - 36% = 10,2 meters

HR = 30 meters - 36% = 19,2 meters

MECHANICAL DIMENSIONS (millimeters)



HOW TO ORDER

Product Code

SPV100

OPTIONS

SMO
BTO

HU
height effective mirror

PROTECTED HEIGHT LIGHT CURTAIN + 200mm if OPTION SMO
PROTECTED HEIGHT LIGHT CURTAIN + 360mm if OPTION BTO

WARNING!!! When ordering always indicate the length of the perimeter sides (See ATTENUATION CALCULATIONS)



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