

LIGHT BARRIER SYSTEM LB 100 P

FEATURES

The light barrier system LB 100 P consists of modularly structured one-way light barriers which can be operated in the multi-channel mode.

Up to eight different fixed frequencies will be transmitted and assessed in continuous operations. At the same time, multi-channel operations are possible at any time, without any further supporting measures, such as multiplex operations and/or synchronizing the IR transmitters and IR receivers.

Specials

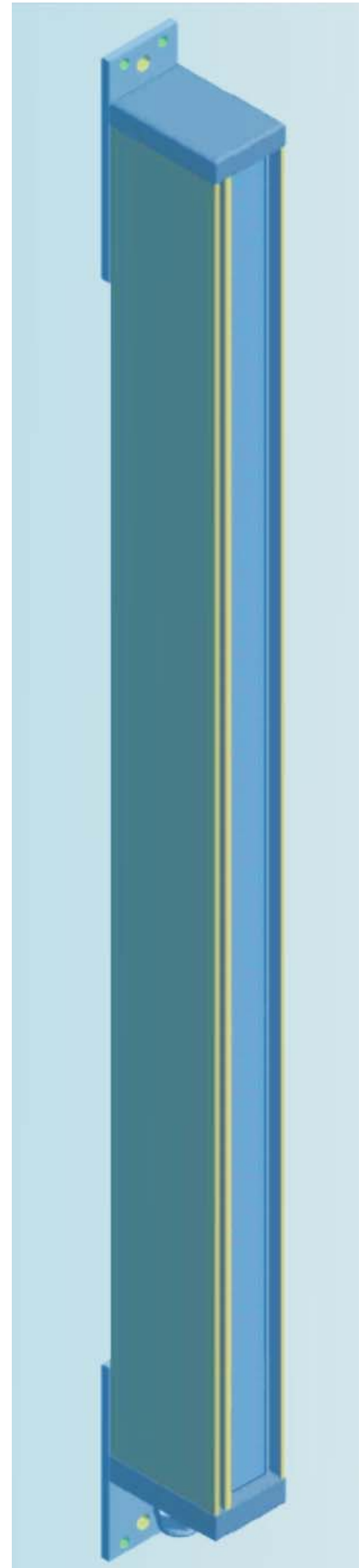
- Giant transmission & receiving angles of 8° (*)
- It will therefore be sufficient to merely adjust transmitter and receiver by eye, in order to ensure their safe and reliable functioning.
- The installation, adjustment and commissioning of the light barrier LB 100 P does not require any specific auxiliary or adjusting equipment, so that the time input for such activities is very low.
- Responds extremely tolerant to static deviations of the position or of the installation angle of its transmitter's and receiver's optical axes.
- Large ranges up to 150 m (Outdoor) and 220 m (Indoor)
- Insensitive against sunlight and other light sources, reliable operation under conditions in case reflecting areas
- Housing: Extruded aluminium, protection degree IP 65

SIMPLY INSTALLATION + SWITCH ON = O.K.

(*) Please note:

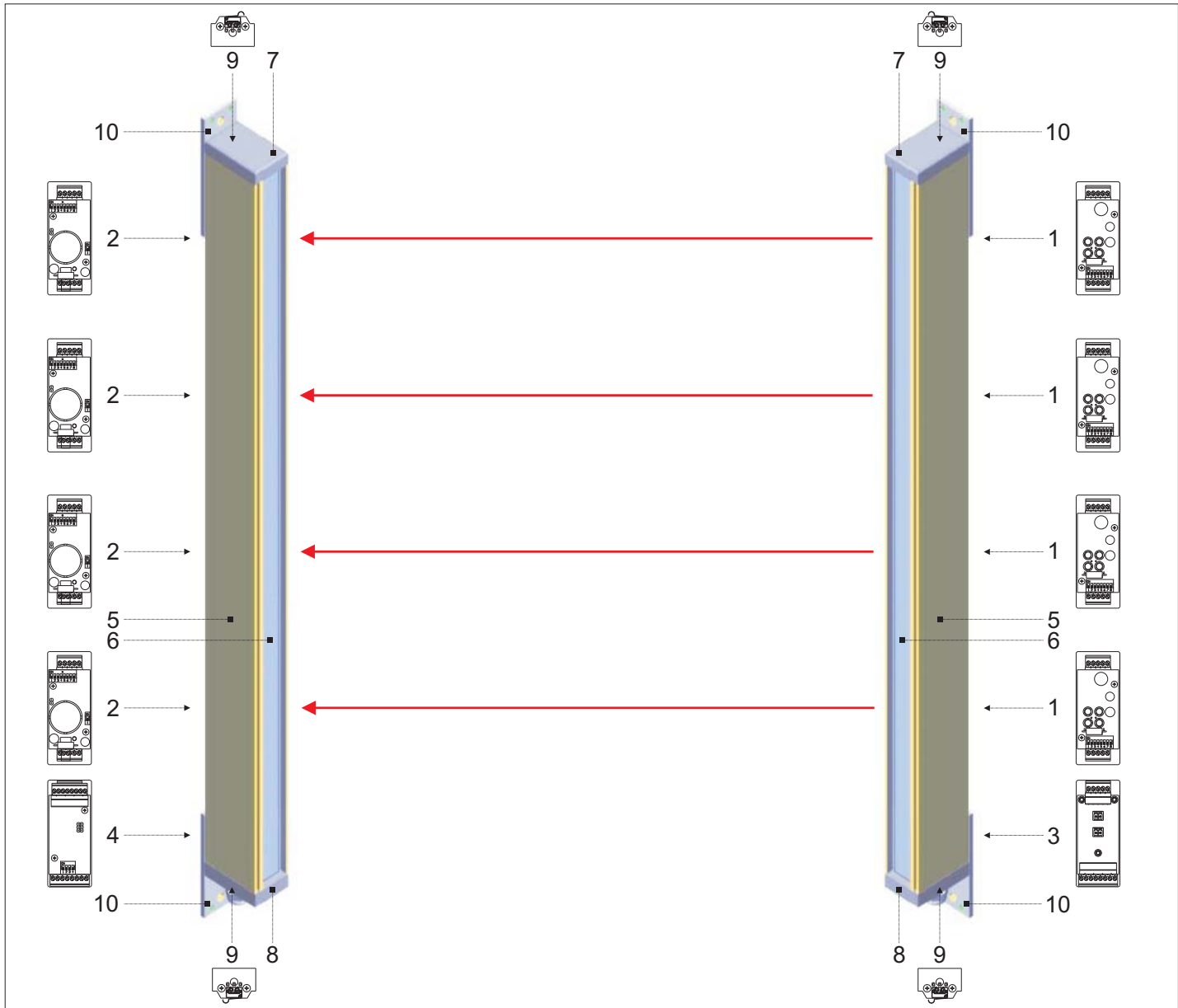
The lens, mirror lens or parabolic reflector systems of otherd manufacturers usually sub-divide the usable working areas into so-called core beam, core zone and scatter areas.

Therefore, their optical systems often require a rather laborious adjusting procedure to achieve a maximum receiving level. Besides, they often require also the use of specific optical or electronic adjusting equipment.



ACTIVE INFRARED SENSORS

Brief descriptions and data sheets



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Ordering example:

LB100P-C 1,50-L4: Light barrier LB 100 P, range Outdoor 150 m, inside 220 m, AI - profil columns, Length 1.5 m, protection degree IP 65, four lines, monitoring height 1.40 m (according VdS Directive 2117)

Item	Qty	S/N	Description
1	4	LB100P-Rx1	IR Receiver with lens
2	4	LB100P-Tx	IR Transmitter
3	1	LB100P-AS.Rx	Connecting unit for the receiver Rx
4	1	LB100P-AS.Rx	Connecting unit for the transmitter Tx
5	2	LB100P-C	AI -profil column, IP65, RAL 9005, Length 1,5 m, 8 slot nuts for fastening
6	2	LB100P-CS	Front pane, plastic, black, Length 1,5 m
7	2	LB100P-CD1	cover lid
8	2	LB100P-CD2	cover lid with cable gland
9	4	LB100P-CAP	cover plate with tamper contact
10	4	LB100P-CBL	Fastening bracket - Standard
11	0	LB100P-CWL	Fastening bracket (angular)

15062009 / EN / V1 / 001