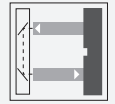


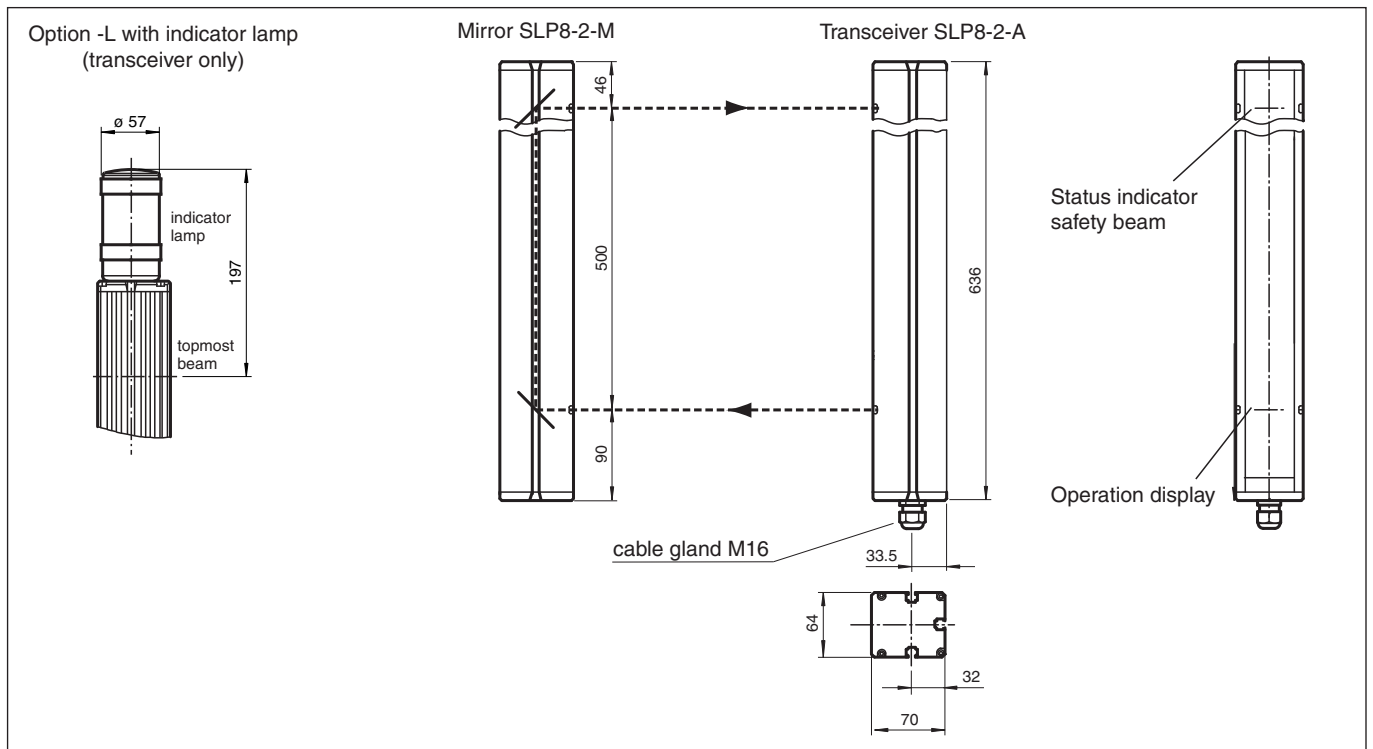
## Safety light grid

### SLP8-2-L

- Sensing range 8 m
- Self-monitoring (type 4 according to IEC/EN 61496-1)
- 2-radial design
- Beam spacing 500 mm
- Red transmission light
- Integrated function display
- Pre-fault indication
- Operation on control units of SB4 (SafeBox)



## Dimensions



## Technical Data

System components	
Transceiver	SLP8-2-A-L
Mirror pillar	SLP8-2-M
General specifications	
Effective detection range	0.2 ... 8 m
Light source	LED
Light type	modulated visible red light
Tests	IEC/EN 61496
Safety type according to IEC/EN 61496	4
Marking	CE

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Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

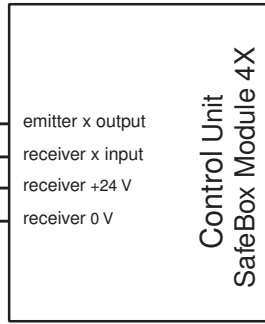
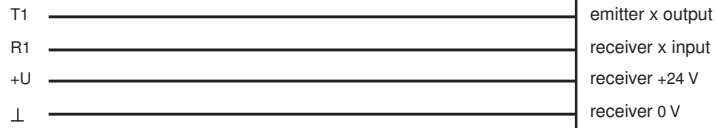
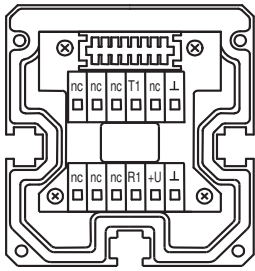
Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

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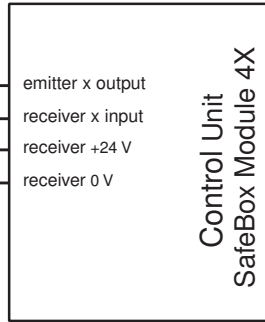
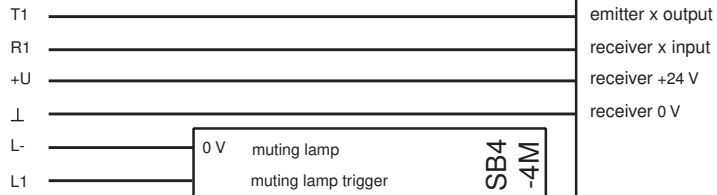
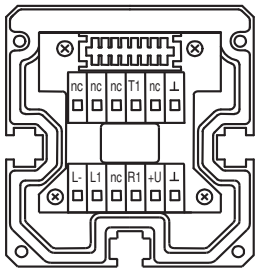
## Technical Data

Target size		static: 32 mm dynamic: 50 mm (at v = 1.6 m/s of the obstacle)
Beam spacing		500 mm
Number of beams		2
Angle of divergence		< 5 °
<b>Functional safety related parameters</b>		
Performance level (PL)		PL e
Category		Cat. 4
Mission Time (T <sub>M</sub> )		20 a
PFH <sub>d</sub>		2.81 E-9
Type		4
<b>Indicators/operating means</b>		
Operation indicator		LED red in transceiver
Function indicator		LED red: per receiver channel off: Interruption flashes: receiver continuously on: reception with sufficient stability control
Muting indicator		Indicator lamp
Pre-fault indicator		Functional display flashing
<b>Electrical specifications</b>		
Operating voltage	U <sub>B</sub>	Power supply via control unit
Protection class		III , IEC 61140
<b>Conformity</b>		
Functional safety		ISO 13849-1
Product standard		EN 61496-1 ; IEC 61496-2
<b>Approvals and certificates</b>		
CE conformity		CE
Approvals		TÜV SÜD
<b>Ambient conditions</b>		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Storage temperature		-20 ... 70 °C (-4 ... 158 °F)
Relative humidity		max. 95 %, not condensing
<b>Mechanical specifications</b>		
Degree of protection		IP65
Connection		M16 cable gland , terminal compartment
Connection options		Further electrical connection options on request: Connector DIN 43 651 Hirschmann, emitter: 6-pin+PE, receiver: 11-pin+PE
Material		
Housing		extruded aluminum profile, RAL 1021 (yellow) coated
Optical face		Plastic pane
Mass		Per 2100 g

Transceiver SLP8-2-A



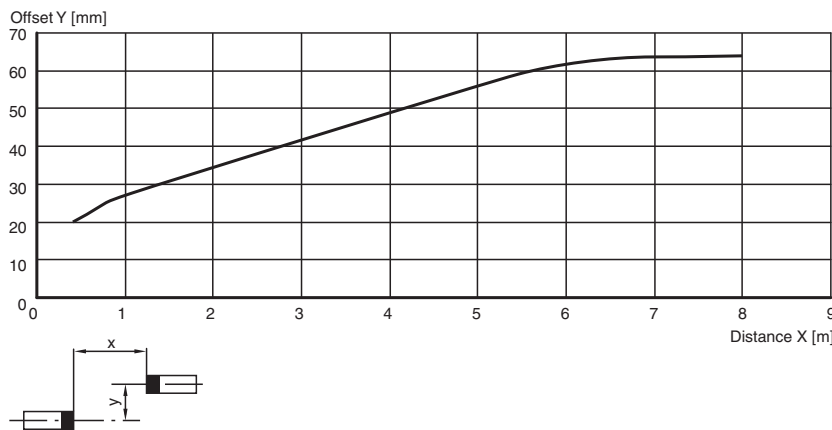
Transceiver SLP8-2-A-L



Characteristic Curve

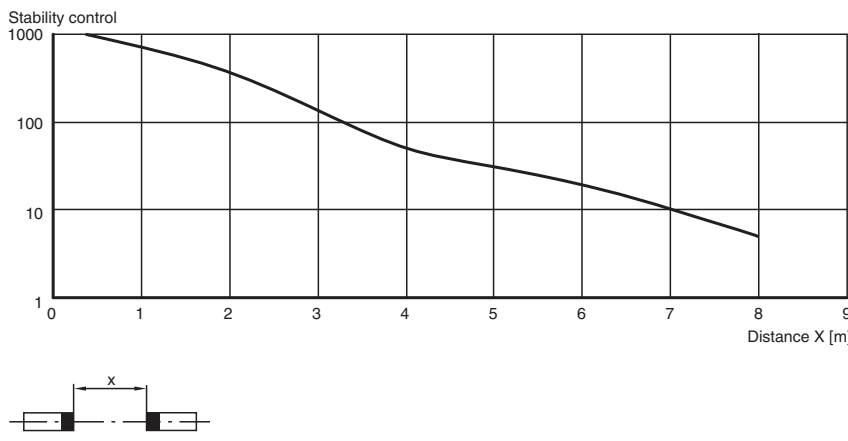
Characteristic response curve

SLP8

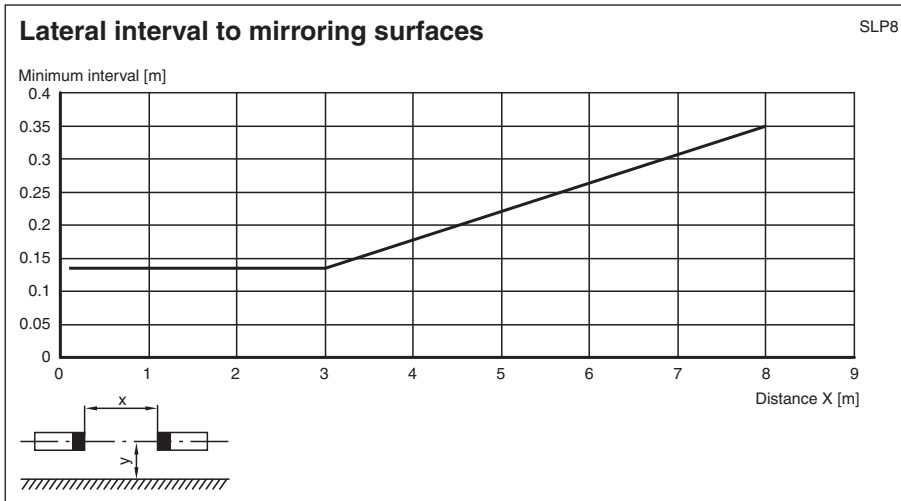


Relative received light strength

SLP8



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





**Matching system components**

	<b>SB4-OR-4XP-B-4159</b>	Safety control unit
	<b>SB4-OR-4XP</b>	Safety control unit
	<b>SB4-OR-4XP-B</b>	SB4 series safety control unit with 1 optional module slot for functional enhancement
	<b>SB4-OR-4XP-B-B</b>	SB4 series safety control unit with optional module slots for functional enhancement
	<b>SB4-OR-4XP-B-B-B</b>	SB4 series safety control unit with optional module slots for functional enhancement
	<b>SB4-OR-4XP-B-B-B-B</b>	SB4 series safety control unit with optional module slots for functional enhancement
	<b>SB4-OR-4XP-B-B-B-B-B</b>	SB4 series safety control unit with optional module slots for functional enhancement
	<b>SB4-OR-4XP-B-4158</b>	Safety control unit
	<b>SB4-OR-4XP-3819</b>	Safety control unit
	<b>SB4-OR-4XP-4M</b>	Safety control unit
	<b>SB4-OR-4XP-4MD</b>	Safety control unit
	<b>SB4-OR-4XP-4M-4136</b>	Safety control unit of series SB4
	<b>SB4-OR-4XP-4X</b>	Safety control unit
	<b>SB4-OR-4XP-4X-3819</b>	Safety control unit
	<b>SB4-OR-4XP-4136</b>	Safety control unit of series SB4

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**Accessories**

	<b>SLP-X-M</b>	Deviation mirror for SLP
	<b>MS SLP</b>	Mounting bracket for Light grid
	<b>PG SLP-X</b>	Protective glass panes for SLP series
	<b>PG HOLDER SLP</b>	Holders for SLP protective glass panes
	<b>PA SLP/SLC</b>	Alignment aid for SLP and SLC series profile light grids
	<b>UC SLP/SLC</b>	Floor stand for all series SLP/SLC devices
	<b>UC SLP/SLC 1530 mm</b>	Floor stand for all series SLP/SLC devices
	<b>Damping UC SLP/SLC</b>	Shock absorber as ramming protector for all series SLP/SLC devices
	<b>Enclosure UC SLP/SLC</b>	Housing for floor stand
	<b>MS SLP/SLA28</b>	Fixing plate
	<b>BINDER SLPC/M</b>	Cable tie for the secure laying and fixing of the connection leads, in particular for the muting sensors connected to safety light grids.
	<b>PG SLP-2</b>	Protective glass panes for SLP series
	<b>SLP8-2-M</b>	Deviation mirror

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## Accessories

Additional accessories can be found in the Internet.

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Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

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fa-info@sg.pepperl-fuchs.com

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