

VITECTOR

FRABA

SAFETY LIGHT CURTAIN



RAY-LG

► Functionality

RAY-LG 35xx is a very compact safety light curtain designed to monitor all types of high-speed doors, sectional doors and industrial doors with a maximum operating range of 10 meters. It can be used on doors with closing speed of up to 1,6 m/s.

Thanks to its door blanking feature RAY-LG can be installed directly into the guide rails of the gate. The use of criss-cross beams makes RAY-LG capable of detecting even small objects. In addition, RAY-LG is very easy to install and is available in two versions. A 2,5 meters version with 22 elements and a 2 meters version with 20 elements. Both versions can provide OSE or PNP/NPN outputs. A very high light reserve, as well as its IP68 rating, makes the RAY-LG insensitive to dust, dirt and water.

► Features

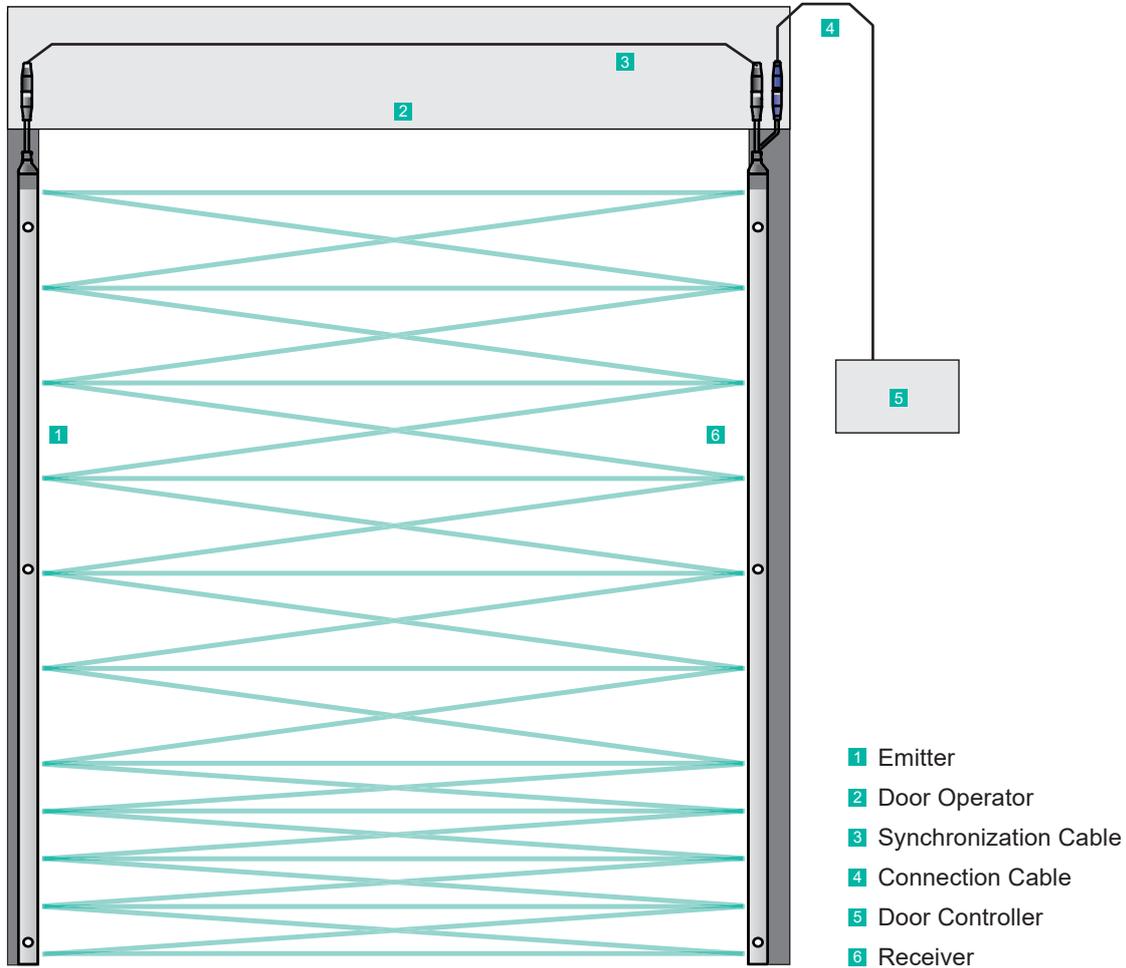
- RAY-LG 35xx: EN 12453 2017 Type E Device Available
- High Detection Capability due to Cross Beams
- Automatic Door Recognition ("Blanking") with Partial Door Opening
- Track-Mounting
- Designed for Door Speed up to 1.6 m/s
- Resistant to Dust, Dirt and Water
- IP68 Waterproof Housing
- Increased Immunity from Ambient Light
- OSE Output or Semiconductor Output Available in One Device
- Cross Section of Only 12 × 14.5 mm
- Safety Cat. 2, PL d acc. to EN ISO 13849-1 : 2015

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Application Overview RAY-LG 35xx



Technical Information

Safety Category	2, PL d acc. EN ISO 13849-1
Certification	RAY-LG x5xx: EN 12978 RAY-LG x1xx: EN 12978 (excl. IEC 61496-2:2006)
Temperature Range	-40 to +60 °C
Max. Door Speed	2.5 m/s
Operating Range	8 m
Protection Class	IP67 (DIN VDE 0470)
Supply Voltage	10 to 30 VDC
Output	OSE or Semiconductor
Output Load (Semiconductor Output)	100 mA, 100 nF
Height	1,830 or 2,590 mm
Number of Beams	20 to 148
Cross Section	12 x 16 mm