



Model Number

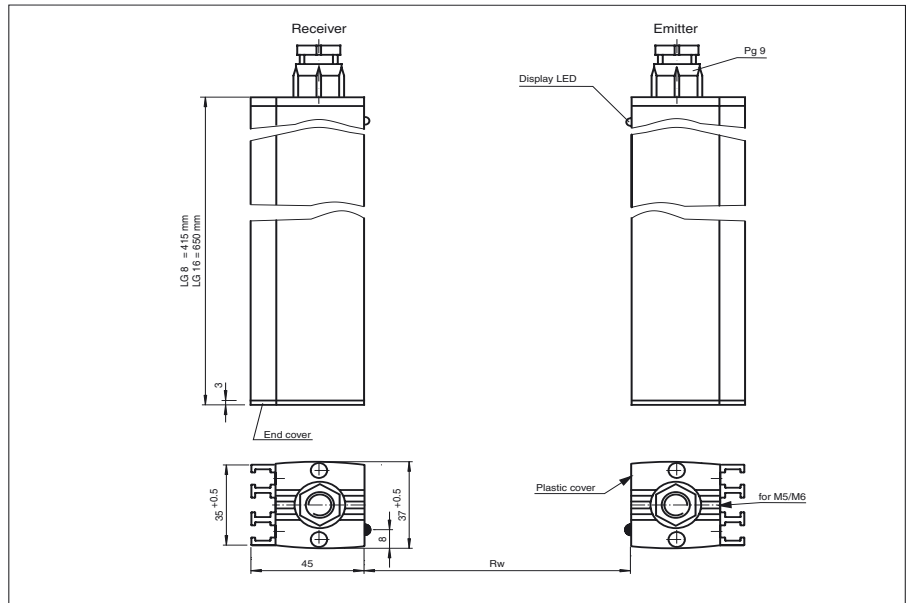
LG16-G-150-K-2-F

Light grid
with terminal compartment

Features

- Detection range up to 1500 mm
- High-resolution light grid
- Suitable for recording of transparent objects
- Light grid with 16 beams, crossed or parallel
- Smallest obstacle size 14 mm
- Automatic switching threshold adaptation eliminates soiling effects

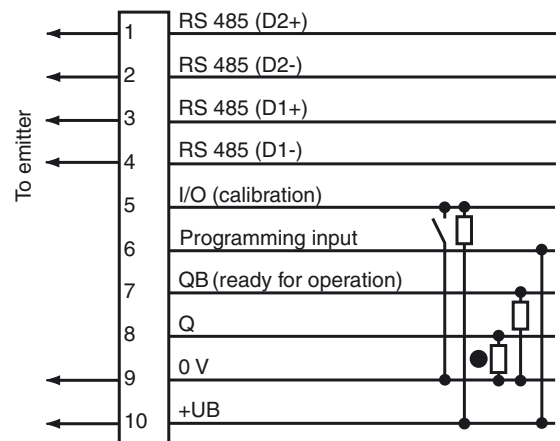
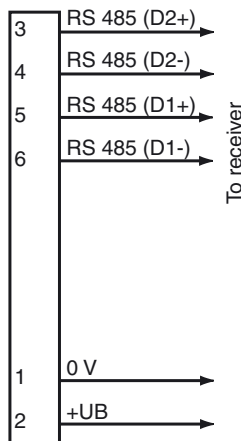
Dimensions



Electrical connection

Emitter

Receiver



- = Light on
- = Dark on

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Technical data

General specifications

Effective detection range	800 ... 1500 mm
Threshold detection range	1500 mm
Light source	IREL
Approvals	CE
Field height	470 mm
Obstacle size	14 mm
Beam spacing	30 mm
Number of beams	16
Sensing range	0 ... 1500 mm
Light type	Infrared
Angle of divergence	emitter $\pm 8^\circ$, receiver $\pm 24^\circ$
Ambient light limit	50000 Lux

Indicators/operating means

Function display	LED yellow, functional readiness, LED red, switching state, lights up when the beam field is interrupted
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Electrical specifications

Operating voltage	24 ... 28 V DC
Ripple	5 %

Input

Function input	Calibration input > 10 ms, ground active, fixed saving the switching threshold
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Output

Switching type	dark ON
Signal output	1 pnp, short-circuit proof, open collector
Switching voltage	max. 28 V DC
Switching current	100 mA
Switching frequency f	12 Hz
Response time	20 ms

Standard conformity

Standards	EN 60947-5-2
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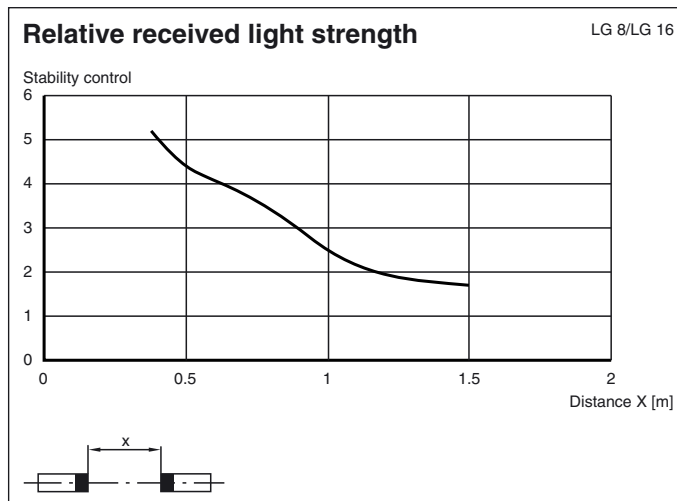
Ambient conditions

Ambient temperature	-15 ... 50 °C (258 ... 323 K)
Storage temperature	-20 ... 70 °C (253 ... 343 K)

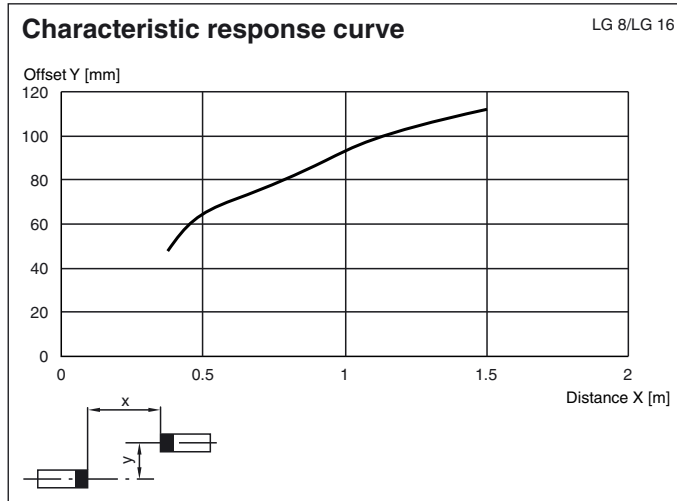
Mechanical specifications

Protection degree	IP54
Connection	terminal compartment PG9 with screw terminals
Material	
Housing	aluminium
Optical face	PMMA
Mass	emitter 900 g, receiver 950 g

Curves/Diagrams

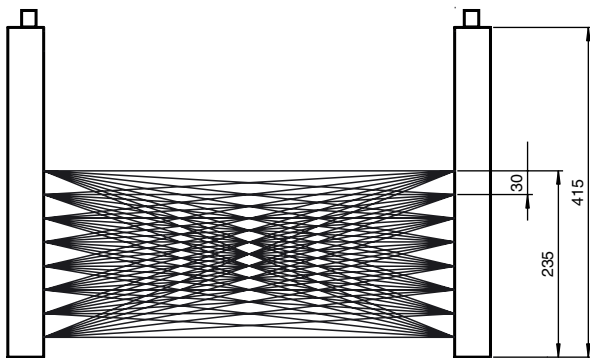


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Course of the beam

LG8-G



LG16-G

