

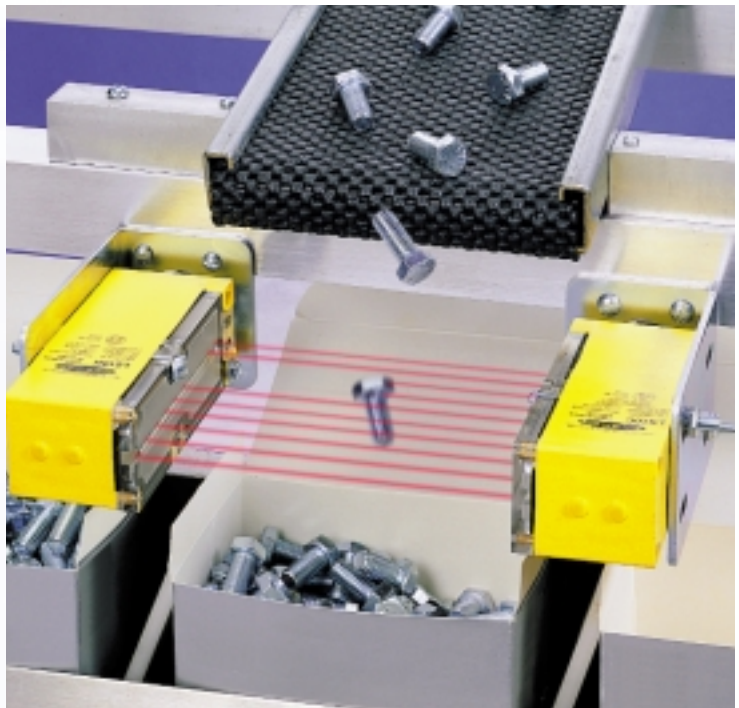
— LS Series Part Sensing Light Screens —

An economical & reliable system for small parts detection.

LS Series parts sensing light screens provide a simple, economical, and highly-reliable means of sensing small parts which pass anywhere through the sensing screen. The light screen area measures 90 mm (3.5") by the distance of separation between the emitter and receiver. Choose from three models based on the required sensing resolution (see selection chart).

Features:

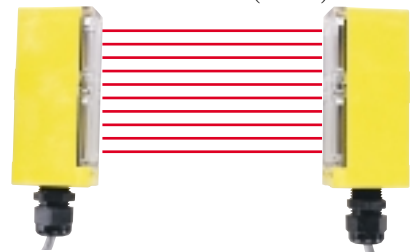
- Totally self-contained emitter and receiver in convenient limit switch style housings; very rugged with encapsulated circuitry
- Strobed array of modulated infrared light for ambient light immunity
- Fast, 1-millisecond response; output includes a 5-millisecond pulse stretcher for reliable recognition of fast-moving small parts
- Receivers have bipolar (NPN plus PNP) outputs; both outputs may be used simultaneously



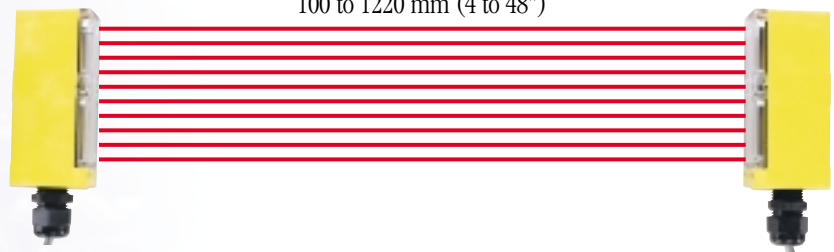
Choose from three resolutions & ranges.

LS Series light screens can meet various application needs, with a variety of ranges from 100 mm (4") to 2.29 m (90"). They will detect objects with minimum resolutions of 5.6 mm (0.22"), 7.6 mm (0.30") or 25 to 38 mm (1.0" to 1.5") depending on model.

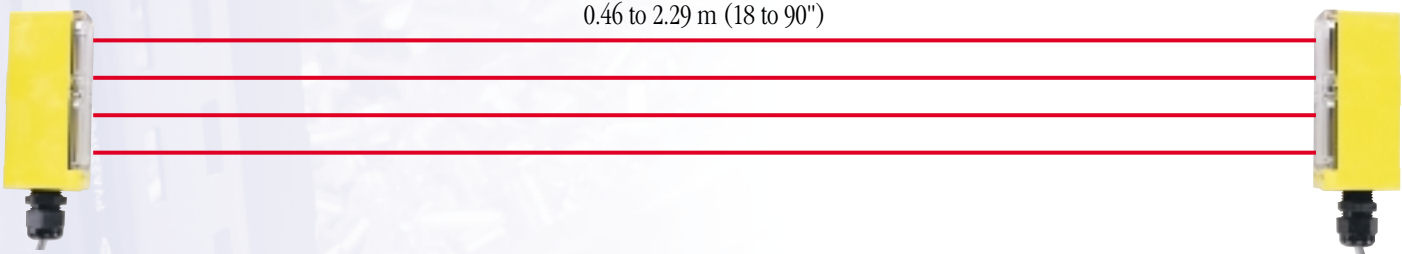
100 to 200 mm (4 to 8")

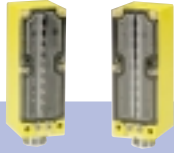


100 to 1220 mm (4 to 48")



0.46 to 2.29 m (18 to 90")





LS Series Models

Models	Range	Cable*	Supply Voltage	Output Type	Minimum Resolution	
LS10ESR	100 to 200 mm (4 to 8")	3-Pin Mini QD	12 to 30V dc	Bipolar NPN/PNP Dark operated	5.6 mm (0.22")	
LS10RSR		4-pin Mini QD			7.6 mm (0.30")	
LS10E	100 to 1220 mm (4 to 48")	3-Pin Mini QD				
LS10R		4-pin Mini QD				
LS4EL	0.46 to 2.29 m (18 to 90")	2 m (6.5')	10 to 30V dc	Bipolar NPN/PNP Dark operated	25 to 38 mm (1.0 to 1.5")	
LS4RL		4-pin Mini QD				
LS4ELQ						
LS4RLQ						

*Models with a QD connector require a mating cable (page 62).

Download datasheet at www.baneng.com LS4: 39673; LS10: 03355

