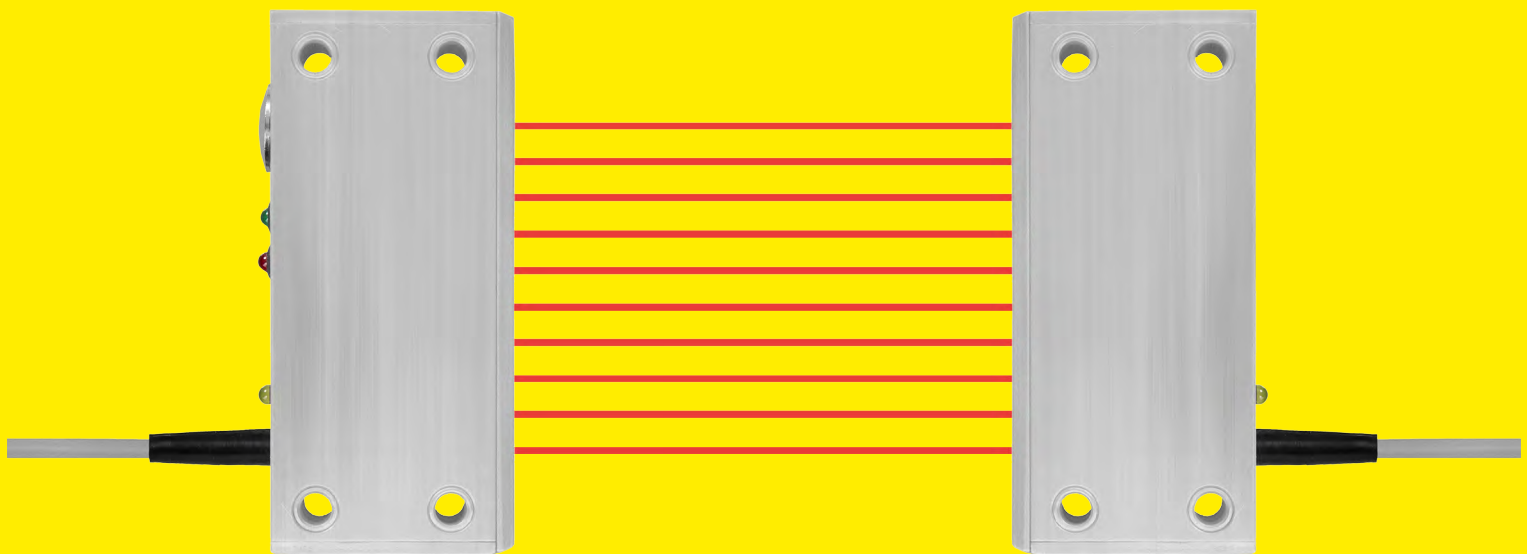


Light grid

Object detection in changing position

Area monitoring, to detect the presence of tubes, bars, sections or plates



Light grid

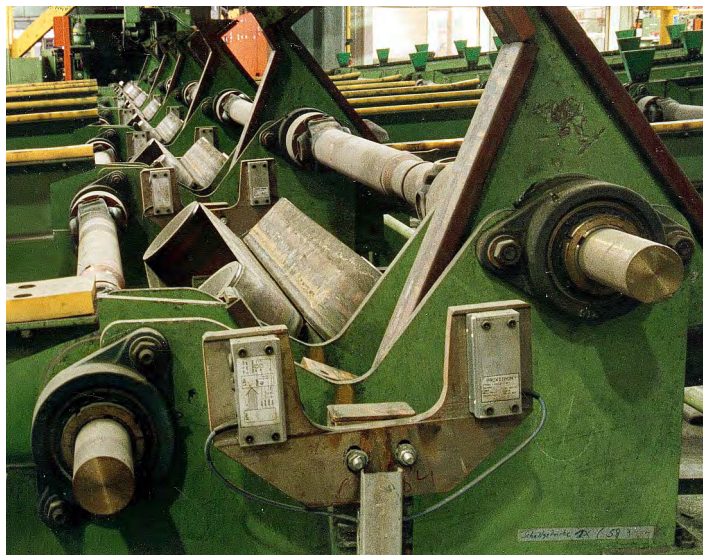
Safe detection of objects in varied position

Proxitron light grids can detect small objects in a monitoring area. Unlike typical light barriers, light grids are provided with 10 light paths running parallel to each other, which builds up a higher detection coverage. An interruption of one single path of the light grid is enough to generate an object detection in that area. This allows a safe detection also of small parts with very variable position inside the monitoring area. This detection mode is well suited for materials showing strong deformation or for parts with significant position changes with respect to their size. Light grids also represent the ideal solution for the detection of tube with different diameters on V-conveyors.

Their robust aluminum casing has been designed to meet the needs of demanding processes in the metal manufacturing industry. The distance between transmitter and receiver can reach up to 10 m so that different conveyors widths can be covered, as well as hot objects, as the grid components will be installed far from the heat source. Having a high functional reserve, the light grid can be used also in highly contaminated environments, with dirt, vapor and smoke formation.



- Area monitoring, to detect hot and cold objects
- Detection of thin plate material
- Tube presence on V-conveyors
- Profile tracking on roller conveyors
- Triggering to initiate length measurement
- Distance from 500 up to 10000 mm
- Barrier height 75 mm
- For objects from 10 mm diameter
- Switching output PNP n.o. /n.c.
- Adjustable pulsing frequency
- Visual aid for alignment
- Pollution control with alarm output
- High functional reserve
- Maintenance-free
- Robust aluminum casing



Distance [mm]	500	1500	3000	10000
Transmitter type	LAH 050	LAH 150	LAH 300	LAH 1000
Receiver type	LSH 050	LSH 150	LSH 300	LSH 1000
Housing [mm]	120 x 54 x 30	120 x 54 x 30	120 x 54 x 30	120 x 62 x 30
Barrier height	75 mm			
Type of light	infrared			
Standard function	object detection at one single light path interruption			
Additional function	pollution warning			
Switching output	PNP n.o. / n.c.			
Alarm output	PNP n.c.			
Housing material	aluminum			
Ambient temperature	70 °C			