

## DUOMETRIC LS SERIES LIGHT CURTAIN

LS00/000-000X

LS series light curtain, detection height up to 5800mm

- Detection height 35 - 5800mm
- Sensing distance 0.3 - 16m
- 4-160 light beams
- Parallel / Parallel and diagonal rays



### PRODUCT DESCRIPTION

Detecting light curtains or curtain photocells monitor a defined area with invisible, infrared light beams. The light curtain systems consist of a transmitter and receiver. If any beam between transmitter and receiver is interrupted, this is registered by the internal control unit and signaled via the push-pull output. In DUOmetrics' detecting light curtains, the control unit is integrated into the transmitter and receiver profiles. This makes our light curtains compact, slim and powerful.

### TECHNICAL DATA


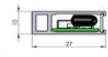

Base cycle time	4 ms
Beam spacing max	100 mm
Beam spacing min	5 mm
Controller	Integrated
Detection height	5800 mm
Detection method	Parallella / parallella och diagonala strålar
IP class	IP20, IP54, IP65
Light type	IR-LED 880 nm
Monitoring height min	35 mm
Number of beams	4 - 160
Outputs	PNP/NPN (push-pull)
Per beam cycle time	1 ms
Power consumption	3,1 W
Range Area 1 max	5 m
Range Area 1 min	1 m
Range Area 2 max	1,3 m
Range Area 2 min	0,3 m




Supply voltage

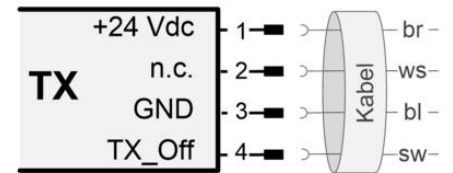
24 VDC (18 - 30 VDC) / 10% ripple

Temperature range

-30 till +50°C

Acronym		Cross section in mm	max. profile length	Description
I		12x24	6 m	M4 studs distributed over the whole profile length. Standard configuration in the industrial environment.
Q		10x27	4 m	Cross-hole for flat assembly
T		12x58	3 m	For 5mm beam spacing only. Cross-hole for flat assembly. M4 thread at ends

Acronym		Cross section in mm	max. profile length	Description
Z		14x65	3 m	Vertical beam exit; no mounting holes, drill groove in mounting chamber
R		12x49	3 m	Vertical beam exit; rectangular cross section; no mounting holes, drill groove in mounting chamber
A		12x24	2,5 m	Bottom: spigot Top: 4x M4 studs Standard configuration for elevators.



M8  
male / female

