

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

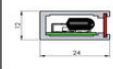
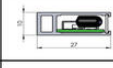

| | |
|-----------------------|---|
| Base cycle time | 4 ms |
| Beam spacing max | 100 mm |
| Beam spacing min | 5 mm |
| Controller | Integrated |
| Detection height | 5800 mm |
| Detection method | Parallella / parallella och diagonala strålar |
| IP class | IP20, IP54, IP65 |
| Light type | IR-LED 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 |


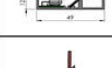

Supply voltage

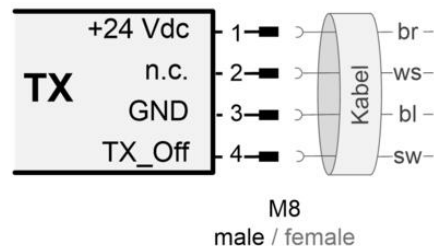
24 VDC (18 - 30 VDC) / 10% ripple

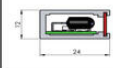
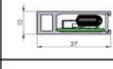

Temperature range


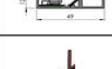

-30 till +50°C

| 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. |



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