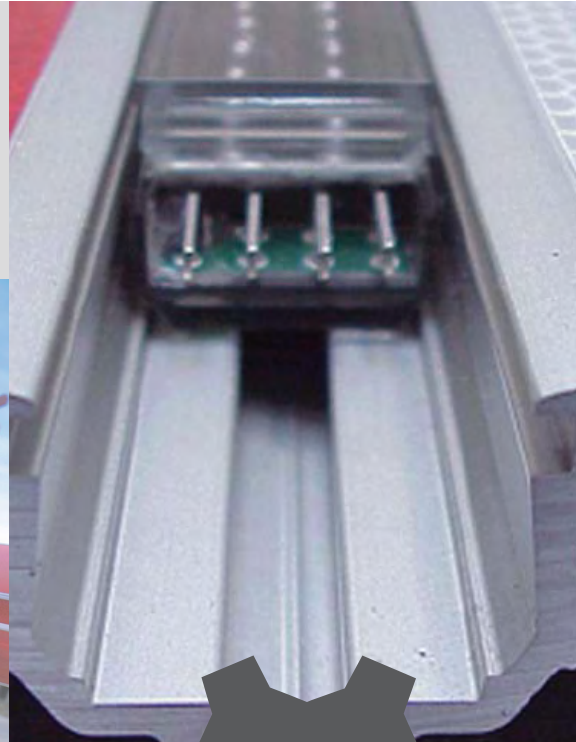


Level Crossing Barriers with LED Modules

The Transport System Solutions barrier mechanisms can be fitted with several types of barrier. Our aluminium level crossing barrier with integrated LED modules meets all the necessary requirements. The design is modern with an oval, asymmetrical cross section. It is highly visible, lightweight, virtually maintenance-free, safe and graffiti-proof.



safe
and highly
visible

Maximum safety

At intersections between rail and road, barrier mechanisms are used to visually and physically close off the crossing. The Transport System Solutions aluminium level crossing barrier with integrated LED modules has an innovative design. The barrier is designed to break off at a given point in case of a collision, thus preventing damage to the mechanism. A cable tethers the arm to the support, preventing flying parts and further damage and injury.

Maximum visibility

LED lighting modules and retro-reflecting foil in white and red are both featured on the arm, maximising visibility both in the daytime and at night. In addition, the Transport System Solutions barrier is unrivalled in a modern street scene. Both sides of the barrier have a permanent, durable anti-graffiti

coating, making sure the barrier maintains its original state. Thanks to the coating, the barrier can be cleaned in just minutes.

- Very high visibility
- Modern design
- Durable anti-graffiti coating
- Safety guaranteed due to breaking-off point
- Lightweight
- Virtually maintenance-free
- Available in any length in increments of 250 mm
- Optional fencing

Specifications

Barrier

Design	Oval, asymmetric
Surface layer	Retro-reflecting foil
Length	500 to 6000 mm in increments of 250 mm
Material	Aluminium
Vandalism load	Vertical max: 125 kg (at barrier length of 6 m) Horizontal max: 60 kg (at barrier length of 6m)

LED modules

Supply voltage	9.2 to 17 V AC/DC
Electrical current	AC: 370 mA at 9.2 V to 440 mA at 17 V DC: 340 mA at 9.2 V to 515 mA at 17 V
Ignition timing	< 1 ms
Colour of light	Red, wavelength approx. 623 nm in conformity with the Dutch NEN 3322 standard
Opening angle	Total angular width 30°
Light intensity	20 lm (+ 30% -15%) at 10.2 V AC
Dimensions	310 mm x 33 mm x 22 mm
Voltage/power pulse test	In conformity with IEC 801-5 level 4
Degree of protection	IP68 according to IEC 529
Electro Magnetic Compatibility (EMC)	In conformity with IEC 801-3, EN 50081-1, EN 50082-1, EN 50022

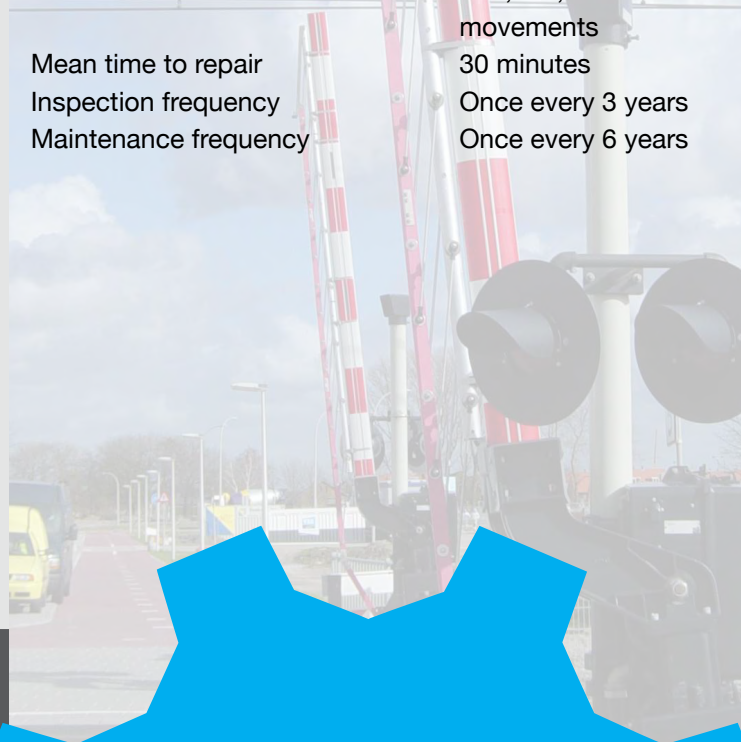


Environmental conditions

Temperature range	-25 °C to +55 °C
Storage temperature range	-30 °C to +70 °C
Relative humidity	Max 95% (with- out condensation)

Repair and maintenance

Mean time before failure	> 1,000,000 hours or > 1,000,000 movements
Mean time to repair	30 minutes
Inspection frequency	Once every 3 years
Maintenance frequency	Once every 6 years



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