

Product group level crossings

Not easy to cross

The LED-XC-signal for level crossings of VRS Railway Industry.

Especially for level crossing installations, VRS Railway Industry has developed the LED-XC-signal. Reliable, maintenance-free and visible under all circumstances and from all angles. Because VRS Railway Industry makes no concessions when it regards safety and reliability.

Visible, secure and economical

Maximal visibility and reliability were the two major criteria in the development of the LED-XC-signal. As a consequence we chose to implement the LED-technology. Maximum reliability is guaranteed with this technology. LEDs require no maintenance and almost never fail. In addition LEDs allow maximum safety. If one LED-group fails, the signal will still have optimum visibility. Moreover the LEDs reach their maximum illumination rapidly and also switch off quickly, giving flashing lights a much higher level of visibility. The NEN 3322-standard is maintained for the colour.

A remarkable feature of the LEDs is that they yield a lot of light and use little power. Added to the fact that maintenance is negligible, you will understand that investing in the LED-XC-signals of VRS Railway Industry is investing in durability.

Special conversion modules for XC-signals and barrier lights

Existing XC-signals fitted with light bulbs can be upgraded easily by installing the LED-module specially designed for existing casings. The lights on the barriers of the level crossing can be modernized in the same way. Adjusting the resistance of lights



with adjustable resistors is ancient history thanks to the LED technology.

Of course VRS Railway Industry can also supply completely new LED-XC signals, as well as barrier lights.

- Very reliable;
- Low maintenance;
- Very long lifespan;
- Minimal phantom light;
- Special LED-module for upgrading of conventional XC-signals and barrier lights.



Installation, maintenance and service

Apart from supplying the signals VRS Railway Industry also takes care of the installation and maintenance of signals. That's why we supply all possible signal poles and gantries. Our service department takes care of maintenance and service, works nationwide and is available 24-hours a day if needed. With signals by VRS Railway Industry you have one less thing to worry about!

More information

For more information about the products and services of VRS Railway Industry, please contact our Sales department.

The Sales department can be contacted every working day between 08.00 and 16.30 at: +31 30 694 3954.

VRS Railway Industry bv

E: info@vrsrail.nl

I: <http://www.vrsrail.nl>



Product specification

Supply voltage	: Up to 24 Vac/dc
Nominal current	: < 1'8 A @ 10,2 Vac/dc
	: < 1'0 A @ 24 Vac/dc
Power on time	: 100 %
Isolation voltage	: 3 kV (1 minute)
Luminous intensity	: 220 cd (+30 % / -15 %)
Luminous intensity variation	: ± 15%
Colour of light	: Red 615 nm, acc. to EN12368
Luminous intensity distribution	: Wide beam acc. to EN12368
Light rise and fall time	: < 20 ms
Phantom signal ratio	: > 5 acc. to EN12368 class 2
Climate test	: Acc. to IEC 60068-2-38, additional till -25°C
Operating temperature	: -25°C - +65°C
Storage temperature	: -30°C - +80°C
Shock and bump test	: Acc. to IEC 571
EMC compatibility	: Acc. to EN 50121-4
Impact resistance	: IR3 acc. to EN12368
Ingress protection	: IP54 acc. to EN60529 test 13 and 14
MTBF	: > 1.000.000 hours
Life time	: 10 years