



westendlighting

life saving light

Lodra Safety Line

Public Safety



Every day we are confronted with unsafe situations in public areas such as railway stations, airports and shopping centers. The safety of the visitors must also be optimally arranged at large events and in stadiums. Westend Lighting supplies various products, such as Led light lines and contour lighting. Crowd management can be greatly improved with these safety products. An example of crowdmanagement is directing the audience in the right direction by using Led Light Lines.

Traffic Safety



Traffic safety is one of the activities of Westend Lighting. In order to increase safety in traffic, Westend Lighting develops products that can be used under extreme conditions. The high quality of our traffic safety products makes it possible to use them in most unsafe traffic situations. Traffic is often thought of urban environments and motorways, but with the theme of traffic safety, do not forget the airports, seaports, rivers and railways.

Industrial Safety



Industrial safety is becoming increasingly important. Rules and legislation regarding safe working are drawn up by the European Union and national governments. At Westend Lighting we develop very robust safety lighting that can be used without problem in Industrial environments. Our safety lighting products are used, for example, to mark unsafe and fall-hazard situations, to clearly indicate escape routes and also to give safety zones an extra attention value.



Life Saving Light

LODRA Safety Line

Lightlines for safety, industry and decoration!

LODRA is a revolution in the field of lightline installing technique. It can be used for many applications, such as traffic, industry and safety, but also in the decorative market.

Lightline technology

LODRA is a lightline that gives a much clearer signal to traffic participants than current interrupted in-pavement LED markers. Its contrast and non-stop light technique generates a sharp and clear line, making it suitable for many safety situations, but also for decorative applications.

Multiple colors

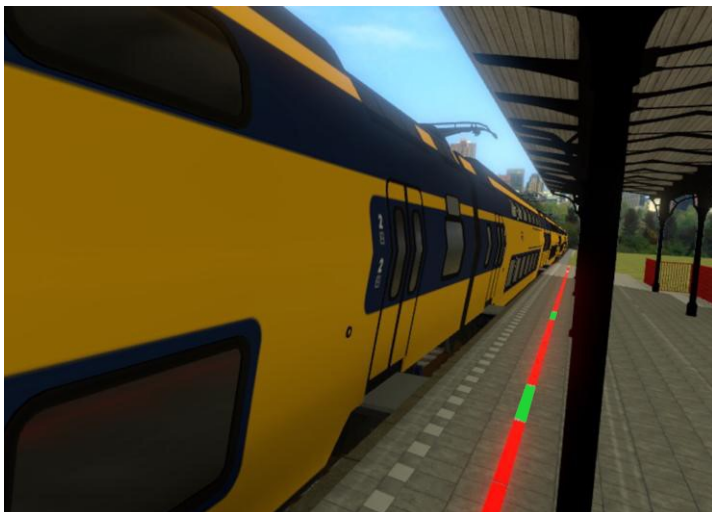
LODRA is an RGB-light line, so any color is possible. This will enable our customers to choose the color that best fits their application. Another option is to apply multiple colors in one line.

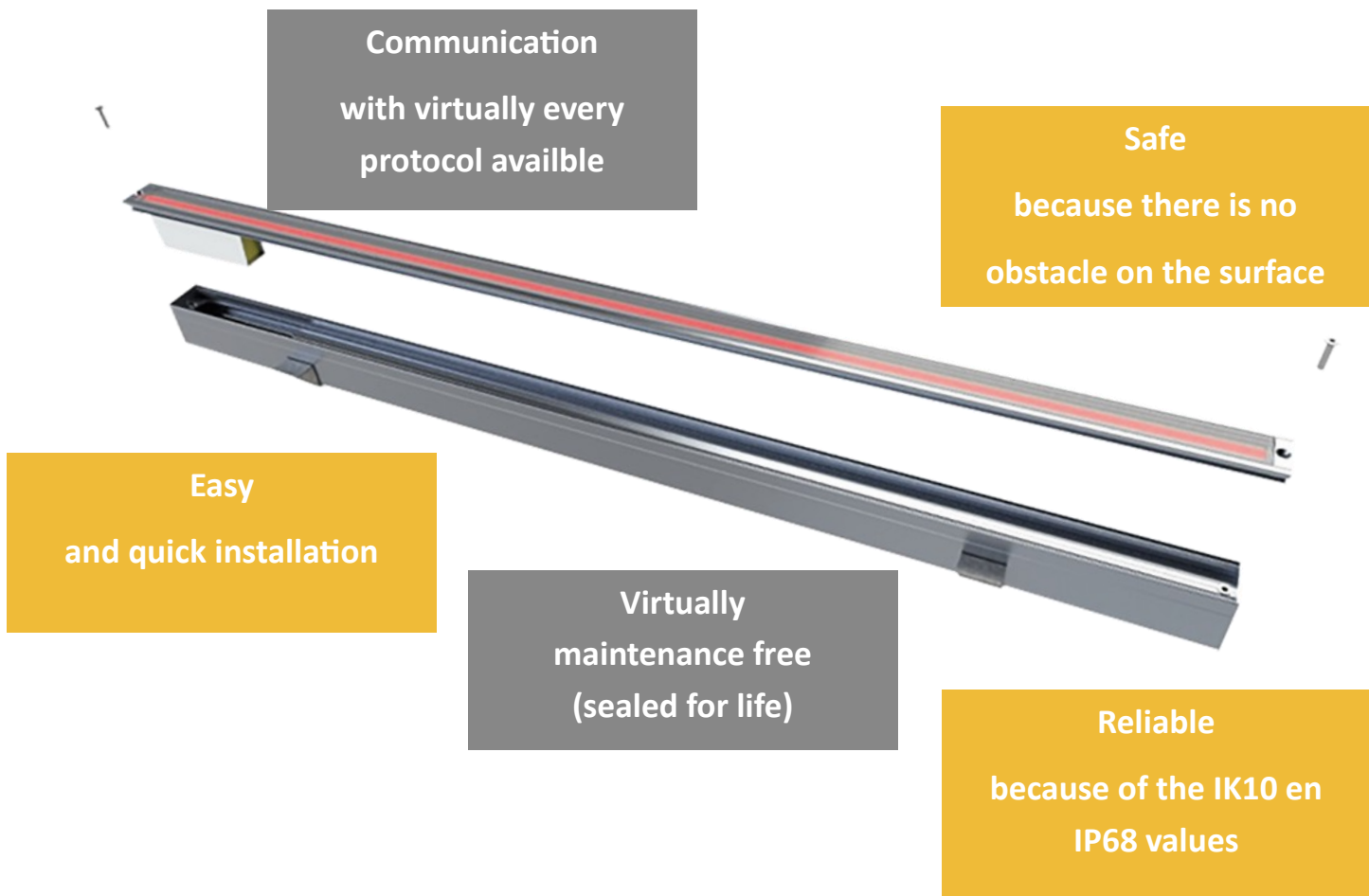
No glare

Its brightness is clearly visible in daylight situation. Built-in light sensors automatically dim the intensity of the light unit, to avoid disturbance in the evening and during the night. It is also possible to dim the light unit manually. Depending on the preference, this can be done in fixed steps or infinitely.

Running light

Although LODRA is considered to be 1 line, there are many options, for instance, as a 'running light' by lighting up 4 cm sequentially. Another option is to have a different light intensity every 4 cm or even generate a completely different color. This makes the light line unique and appropriate for multiple situations.





Communication

The software of LODRA is developed in such a way that it can communicate with virtually every protocol available. This ensures easy integration with these protocols

Safe

The LODRA is a built-in fixture which will be mounted evenly with the surface where it is used (e.g. pavement, flooring, loading docks), so it is not an obstacle. The topside of the LODRA is made from frosted glass, making it non-skid.

Reliable

The unit is made from high-quality aluminium, which excludes corrosion. The combination with toughened safety glass, makes this unit compliant with IK-10, the highest value in hardness. All electronic components (including LEDs) are sealed and protected against moisture and dirt, making the unit compliant with IP68 (protection marking).

Easy installation

LODRA is designed for quick and easy installation. The system is installed during construction. LODRA is available in sizes from 60 cm to 150 cm (every next size is 30 cm larger) allowing for almost every desired size.

As the units can be connected, they form an almost seamless light line.

Maintenance

The unit is designed to withstand temperatures of -20°C to $+60^{\circ}\text{C}$ and optionally even to $+70^{\circ}\text{C}$. The controller is situated in the unit, close to the LED-strip, making it impossible to disturb the communication between controller and LED. LODRA is a sealed-for-life application and no maintenance is needed during its technical lifetime. In the worst-case scenario, the LED unit and the control can be replaced easily from the upper side.

Public Safety	Traffic Safety	Industrial Safety
As privacy and warning line at customs, banks and other applications with queues.	For signaling at crossings for pedestrians whether or linked to a traffic regulation system	Indicating safety zones, which, for example, must also be clearly visible in the dark
Delineation and warning light at platforms and height differences where there is a risk of falling	Escape route designation in tunnels and at noise barriers near the	Specify escape route in case of calamities. Due to placement in the floor or road surface, escape route remains visible under the smoke
Crowdmanagement at events and entrance gates. Think of railway stations, airports and stadiums	At an unguarded railway crossing or an other dangerous crossing, possibly linked to a solar panel	At loading docks, trucks stop in time. Linked to an acces system, so that visitors are in the right place for licence plate recognition

Technical specifications*

Voltage	24-48 VDC	15-24 VAC	Width x Hight (mm)	60x80
Wattage	19 Watt Max.		Length (mm)	600 900 1200 1500
Light source	LED		Profile	Aluminum brut
IP	68		Glass	Layered and frosted
IK	10		Installation cable	7,5 m - 4 quad core
Operational temp.	-20°C / +60° C		Connection	3 open strands

Cable	Use	
Black Core 1	N— Neutral	Neutral
Black Core 2	L— Line 1	Power red
Black Core 3	L— line 2	Power green
Groen / Geel	Not used	
	Voltage max. 50 V AC	

Contact our customer service department for connection to a traffic control system

Other customer-specific applications are possible on request

Westend Lighting bv

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Lodra

Technical specs for the Lodra Trafficline according to the Dutch RWS standard.



Voltage	Nominal	42 VAC (36-50 VAC)	Width x Height (mm)	60x80
	Dim 1	31 VAC (26-34 VAC)	Length (mm)	600 900 1200 1500
	Dim 2	20 VAC (15-24 VAC)	Profile	Aluminum brut
	Auto	42 VDC (22-50 VDC)	Glass	Layered and frosted
Wattage	19 Watt @ 42 VAC		Installation cable	7,5 m - Quad core
Lightsource	LED		Connection	3 open strands
Operational temp.	-20°C / +60° C			
IP	68		IK	10

Cable	Use	
Black Core 1	N— Neutral	Neutral
Black Core 2	L— Line 1	Power red
Black Core 3	L— line 2	Power green
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