

# N D F

SPECIAL LIGHT PRODUCTS



LODRA TrafficLine

# LODRA TrafficLine; 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.

## 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.

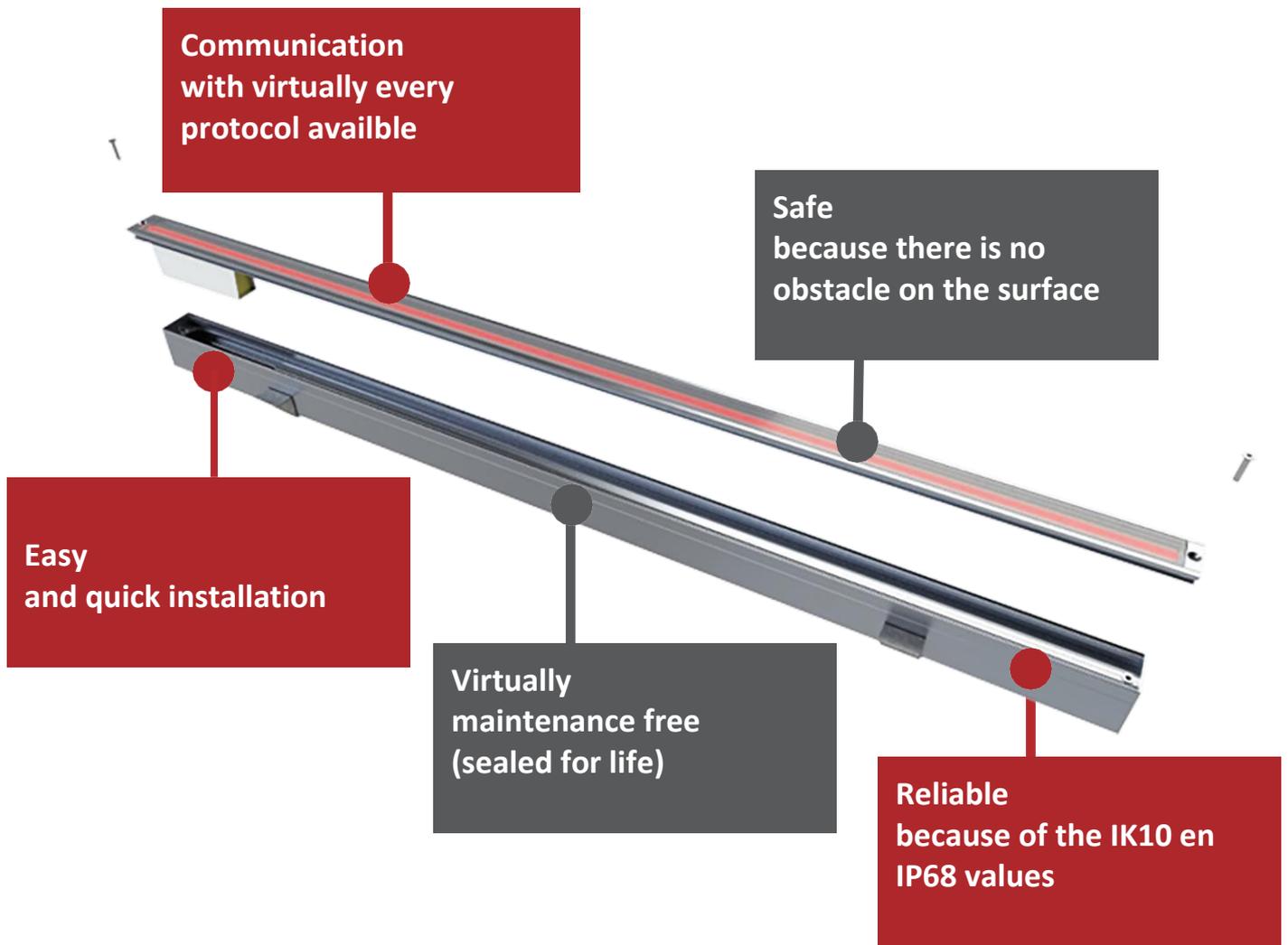
## Multiple colors

LODRA is an RGB-lightline, 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.

## Running light

Although LODRA is considered to be 1 line, there are many options, for instance, as a 'running light' by lighting up 2 cm sequentially. Another option is to have a different light intensity every 2 cm or even generate a completely different color. This makes the lightline 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**

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 lightline.

#### **Maintenance**

The unit is designed to withstand temperatures of -20°C to +60°C and optionally even to +70°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.

# Lodra Product information

## Applications

Many applications are possible with the LODRA. Some examples:

LODRA SafetyLine	LODRA TrafficLine	LODRA DecoLine
As privacy and warning line at customs, banks and other environments with queues.	Lightline at crosswalks for pedestrians and cyclists where a traffic control system is already in place and can be connected to the LODRA.	To use as accent lighting on stairs, platforms, bridges etc.
As demarcation and warning light at platforms, loading docks and height differences, where there is danger of falling.	For escape routes, tunnel lighting etc. To guarantee a clear marking of the correct route that should be followed.	To indicate the walking direction in a store or a museum.
Signaling in the ground marks the safety areas in various industrial applications, such as heavy forklift traffic.	At guarded level crossings.	To enhance the value of attention in a retail environment.

## 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	

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