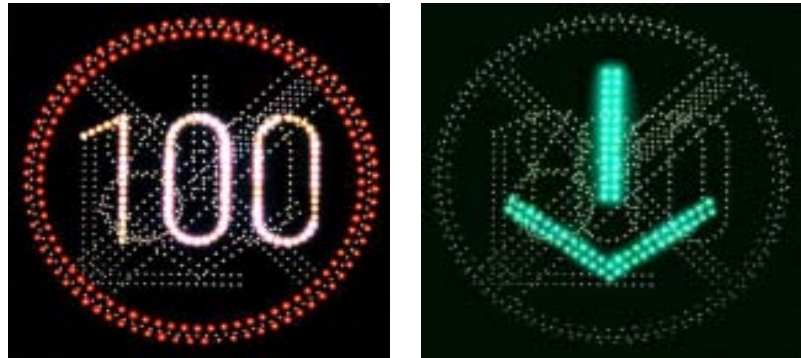


LED Technology Lane Variable Traffic Sign



Basic Information

Thanks to their highly luminous LED elements, the variable traffic signs (VTS) are active traffic signs that use luminous dots distributed in the front area for creating a traffic sign symbol.

They are used in frequented land communications where there is the need to flexibly respond to the traffic smoothness with respect to the current situation. This traffic sign's advantage consists in its good visibility and the possibility of instant changing the symbols.

The traffic sign design complies with EN 12966-1 "Vertical Traffic Signs – Variable Traffic Signs" and CSN EN 12899-1 "Fixed Vertical Traffic Signage – Part 1": Fixed Traffic Signs".

The combination of imaged symbols of traffic signs is defined by the traffic solution in the given location. The most frequent are combinations of symbols of warning and banning signs, and light signals. 2 to 6 symbols are used in common applications. The size of symbols is selected with respect to the location of use and in accordance with CSN 018020.

Technical Description

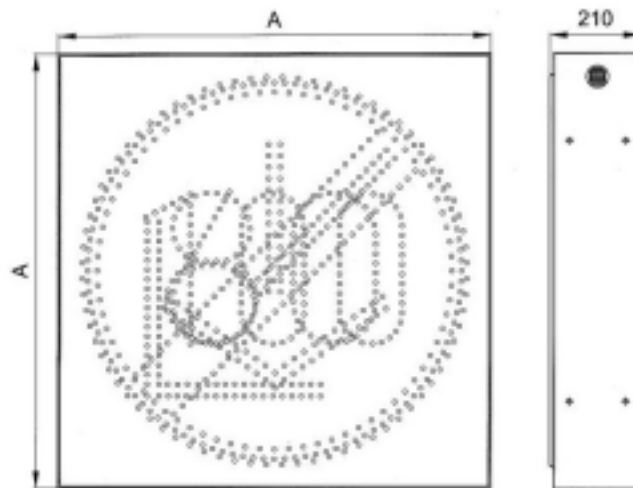
The sign cabinet is welded from aluminium channels; the front and rear wall, including service door, is made of aluminium sheet. Ventilation openings with anti-dust filters are located in the sidewalls of the cabinet. All the metal parts are protected against harsh weather conditions with powder paint. Inside the cabinet, there are located the constant current sources for LED elements and electronics. Single luminous dots that image a symbol in the front plate are fit up with an optical lens, a connecting case, and an LED element emitting the light of the specific wavelength. Electronics verify the function of single LED elements arranged in a block, ensure communication with the control worksite, and smoothly regulate the sign luminosity depending on the ambient illumination.

The optical lens is astigmatic, i.e. the radiated luminous flux is directed to the precisely defined angles.

The sign is fixed to a support structure allowing the sign's adjustment vertically and horizontally.

A contrast frame may be used for highlighting the sign symbol.

Dimensioned dDrawing



Basic Technical Data

Name:	Variable traffic sign
Type:	VTS-LED
Luminous source:	Highly luminous LED diodes
Control voltage:	24 VDC
Supply voltage:	230V / 50Hz
Input:	20 to 120 W (model-dependent)
Protection:	IP65
Operation temperature:	-20°C up to +50°C
Mass:	11 - 45 kg (model-dependent)
Dimensions:	A = 350; 560; 760; 1,000; and 1,300 mm

Contact

ELTODO EG, a.s.
 Novodvorská 1010/14
 142 01 Praha 4, Czech Republic
 Phone: +420 261 346 828
 Fax: +420 261 346 803
 E-mail: eltodo@eltodo.cz
<http://www.eltodo.cz>