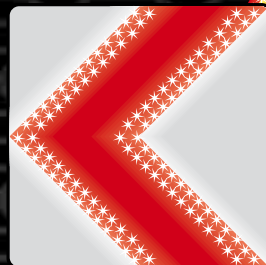
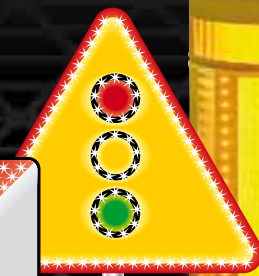
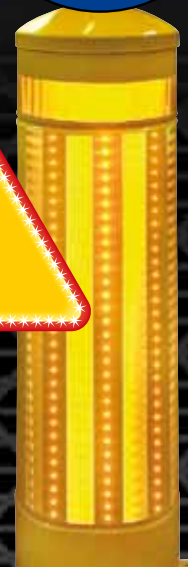




# ERPLAST®

*...on the roads of Europe*



# An innovative and ecological

## technology of active road signage

# Active road traffic signs and boards



## An innovative technology of producing active signs

Vertical active road traffic signs manufactured and installed by ERPLAST® are based on a new technology of traffic signs production.

The essential feature is to ensure visibility of the signs from a long distance during both the day and night as well as in adverse weather conditions. Yellow, white, red or other colour high-intensity light-emitting diodes (LEDs) are used as a source of steady or flashing light. The substrates are made of aluminium sheet according to PN-EN 485-1, PN-EN 485-2, PN-EN 485-3 and PN-EN 485-4 and are covered with a II or III generation reflective film. The LEDs are installed in modular elements which are totally resistant to weather conditions (may emit light even underwater). In addition, the diodes are hidden under a transparent protective coating of the sign substrate (protection from hitting stones). The diodes' colour, pulsation mode and animation are customized to the customer's expectations.

Our active signs and boards have been given technical approval IBDiM Nr AT/2010-02-2621 valid until 21 June 2015. Customers are welcome to order the active signs of any type and configuration of action (animation).

### Technical data:

Power consumption	2-10 W
Rated voltage	12 V
Colour of point light sources	yellow, white,red
Luminous intensity of a single light source point	5800 mcd
Weight (approx.)	7 kg
Working frequency	0,25-1 Hz
Protection rating	IP65
Working temperature	-40 do +85 °C
Dimensions complying with the current road traffic regulations	



# Illuminated road traffic signs and boards



The innovative technology of producing illuminated signs and boards used by ERPLAST ensures an even illumination of the whole sign surface. The signs and boards have the reflectivity corresponding to the I, II or III generation - reflective film. The illumination may be steady, pulsating or controlled by weather conditions. These signs have the plastic front face built into a steel or aluminium box. The thickness of a one-sided illuminated road traffic sign is identical with that of a typical traffic sign and equals a merely 25 mm or 10 mm in the case of a two-sided sign. These signs can be mounted in the same way as traditional signs with the use of brackets mounted onto posts. We can manufacture illuminated road traffic signs and boards as one-sided or two-sided. The illuminated signs and boards produced by us have the CE certificate.

Customers are welcome to order the illuminated signs of any type and configuration of action. We are able to design a sign of any required size and content.

## Technical data:

Power consumption	40 W
Rated voltage	12 V
Colour of point light sources	white
Weight (approx.)	30 kg
Working frequency	0-1 Hz
Protection rating	IP65
Working temperature	-40 do +85 °C

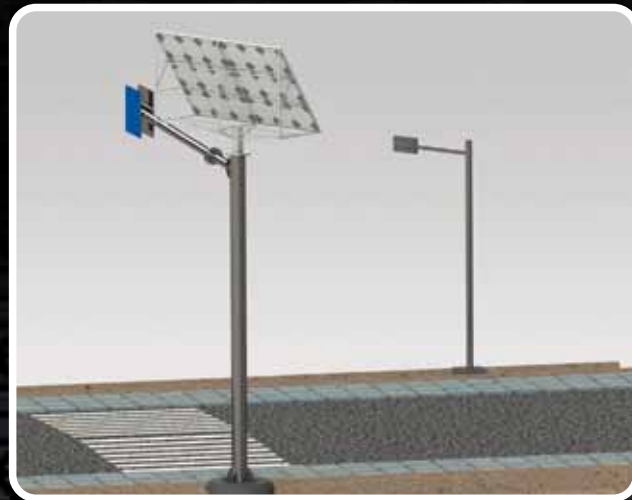
Dimensions complying with the current road traffic regulations



# Support structures and powering of active and illuminated traffic signs and the lighting of pedestrian crossings

Active and illuminated traffic signs may be delivered together with support structures (poles, mast arms, gates) as well as independent sources of energy – solar-powered, solar and wind-powered, grid-powered or grid-powered as back-up. The controllers may be in-built or as

a separate external controlling and powering element (together with a battery and a charging controller). Customers may order structures of any type and configuration. They may be designed to meet the customer's needs and the purpose.



# Projects executed by us



# **ERPLAST**<sup>®</sup> *...on the roads of Europe*

ERPLAST<sup>®</sup> was founded in 1985. Throughout the years of activity ERPLAST has become the leading company in the road infrastructure industry in Poland. We are a rapidly developing modern firm. We manufacture and install a full range of road traffic signs and boards with support structures as well as other road safety equipment. Over a hundred highly qualified employees work for ERPLAST and the company has the experience to be able to focus on innovations and development.

Our products are designed and manufactured in standard versions or versions suiting individual customer requirements. We are also developing the manufacturing of illuminated signs and active traffic signs equipped with LED technology.

We persist in searching for new solutions and perfecting the existing ones. It was as early as 2010 when we launched traffic signs and boards made from panels of multilayered materials (composites). The new technology has become popular and appreciated in the field of signage due to its high-quality parameters exceeding the traditional steel constructions.

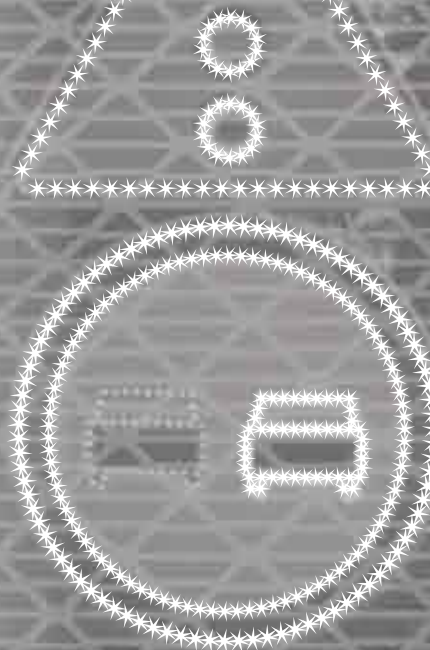
Of the numerous executions in the multilayered technology we would like to draw the customer's attention to the traffic signs and boards installed by our firm on Poland's A1 motorway section from Nowe Marzy to Czerniewice (over 60 km in length).



ISO 9001



ISO 3834



**ERPLAST**<sup>®</sup>

ul. Witebska 27

85-778 Bydgoszcz, POLAND

phone: +48 52 329 90 31 ext. 44 or ext. 14

fax: +48 52 360 60 00

e-mail address: [office@erplast.pl](mailto:office@erplast.pl)

web page: [www.erplast.pl](http://www.erplast.pl)