

## LED TRAFFIC SIGNS



To increase security of the road user the road has to be marked by road signs that warns participants on the danger that threatens them on road, inform them about the speed limitations, prohibitions or obligations which the traffic participants must keep and provide the informations for safe traffic flow. As a standard for production permanent vertical traffic signs we are using retroreflective foil Engeneer grde, High intensity and Diamond grade. In order to further improve and increase standards in terms of traffic safety , we started the development and production of traffic signs with surface LED lighting.

Traffic signs with background lightning has been known for many years, over time we become aware of certain disadvantages in terms of the appearance of darkning shadows on the surface. This shadows are resulting in a reduced observables and therefor reducing traffic safty.

We have dedicate our time to solve this problem, and we constructed the new product, road sign with surface LED lighting in which is avoided the possibility of darkning shadows appearance on the surface. While constructing this product we took care of the case where individual sources of light stop working due to malfunction or other event, occurrence of dimming shadows are much less pronounced then on the current system and a signs retains the function of retro-reflection.

In case where there is no surface LED lighting, film has normal reflection ( third class Diamond Grade), while the inclusion of the surface LED lighting additional visibility of signs is achieved. This system has the ability to continuous light or blink, it can be managed through external sensors or control devices. This feature allows us to further draw attention of road user and warn them about potencial dangers on the road.



With this new technology we can increase the visibility of any traffic sign. Placing a sign on a pole is the same as with the classic signs. Low power consumption is another advantage of this signs which gives us possibility to connect it to all kinds of power supplies, for example: battery, solar cells, public lightings, etc. There is also possibility to use them like temporary traffic signalization, especially if there is the built- in battery.

#### TECHNICAL DESCRIPTION :

-lighting:	surface LED lighting
-lifespan of LED:	60 000 do 100 000 hours
-visibility:	sign is visible and recognizable up to 250m
-thickness :	20-26 mm
-film type:	Daimond Grade
-power supply:	12VDC
-consumption:	10 W
-op. temperature:	-40 C do + 70 C
-case :	aluminum
-Water resistance:	IP 65

#### LED SIGNS DIMENSIONS :

