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Dynamic marking

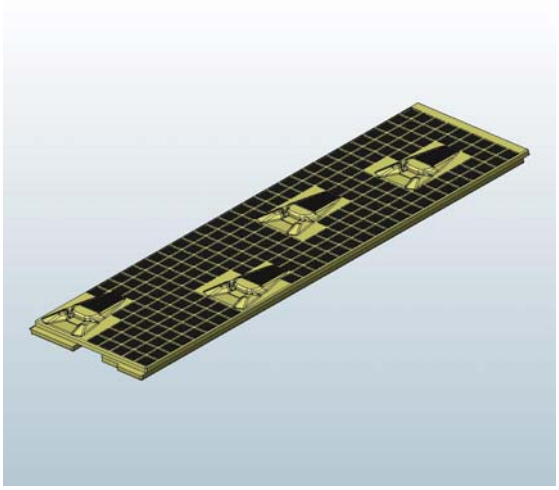
Product description
The dynamic marking is a patented visual good recognizable traffic guidance application based on a unique technological development. The Dynamic marking offers the possibility to change lane division in relation to the traffic congestion, increase of safety and providing the road surface with information. The Dynamic marking is continuously powered, can light up when a dangerous situation occurs and or can be used as a tracking line. The marking is good visible in sunlight, darkness and bad weather. The system uses fiber optic driven by LED's encapsulated in a hard-wearing bio-resin with a non-skid surface.

Operation
The Dynamic marking will be entirely integrated in the road-bed on a for this purpose special designed permanent carrier. This carrier takes care of a smooth foundation, connection with the surrounding asphalt and leading of the power supply cable. The master cable is underneath the whole section.
Each unit (750 mm in case of dynamic marking) is connected to the master cable. Each unit has a controller, which drives 24 LED's in 3 groups (By this it is foreseen that also RGB configurations are possible).
By means of light couplings between the LED's and the fiber optics the light is transported to the light cluster. Therefore it is also possible, when necessary, to easily replace a damaged dynamic marking unit without having to replace its electronic parts too.

One Line controller can control up to 300 individual units. The size of the Line controller is limited through which it is easy to install it near the existing traffic control equipment. The Line controller offers the following possibilities to the Dynamic marking:

- dimming
- running light (Tracking Line)
- flashing
- flimmering
- suitable as orientation lighting
- pass on the unit status and possible the signal from integrated sensors, for instance temperature measurement, traffic detection, etc.

System properties dynamic marking



- Max. 300 units per Line controller.
- Power supply: 48V DC.
- Power consumption: max. 4.2 W/ unit.
- Width: ca.220 mm.
- Length: 750 mm.
- Height: app. 15 mm.
- Optical width at full power: 150 mm.
- Each unit has its own address.
- 4 horizontally oriented light clusters per unit.
- 6 white LED's per light cluster.
- Optical distribution of light clusters in a 2/2 configuration.
- Chemical en UV resistant.
- Surface provided with non-skid profile.
- Drain surface.
- Feedback modules to Line controller: Temperature, defect modules.
- Long life and little maintenance.
- Good visibility during the day and night.
- Not visible, when switched off.
- Manufactured of Bio-resin.