LIGHT INVENTORS

WHEN ENGINEERS REINVENT LIGHT

YOUR GLOBAL MOBILITY ENGINEERING EXPERTS

The automotive industry is subject to constant change and vehicle lighting is constantly being reinvented. For this reason, EDAG light inventors are constantly on the lookout for new lighting innovations that redefine or make the most out of the current technical possibilities. The exciting task of integrating the latest lighting systems in various shapes and into a variety of environments arises due to the numerous design variations offered by the manufacturers. New and innovative lighting systems are the focus of EDAG light inventors

Our latest pixel light module for rear lights, for which a patent application has been filed, demonstrates the versatile expertise of our EDAG specialist group for light and vision. This modern and particularly versatile light module meets legal requirements, allows a wide range of modifications and has been oriented towards cost-efficiency. The modules can be controlled independently of each other and emit the signal colors yellow and red. In addition to dynamic signal functions, it offers the possibility to communicate with the environment digitally. This therefore enables the display of distance measurements or emergencies.

This patent system is the great reward for the EDAG light inventors for their teamwork and of course motivation for further research and development.

Our services at a glance

- Project management from design to series production
- Design and engineering analysis
- Creation and design of optical systems
- Visualization of lights
- 3D/2D design
- Creation of electronic circuit diagrams
- Mechanical and thermal protection
- Analysis and evaluation of lighting scenarios in the EDAG light laboratory

Technical details of pixel light module

- Application for patent No. 102019204523.5
- 25 LEDs on smallest area (27 x 27 mm²)
- Including cooling element and LED board
- Multi-color display
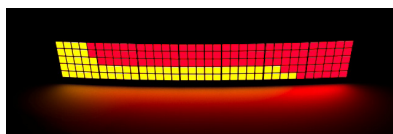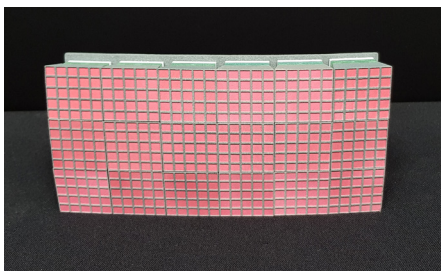
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