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Light up the way with intelligence and style: Dynamic LED matrix HELLA headlamp for the Smart #1

- HELLA provides lighting technology that supports intelligent lighting functions and customized styling options

The internationally positioned automotive supplier HELLA who operates under the umbrella brand FORVIA, has developed dynamic LED matrix headlamps for the new Smart #1 by Smart Automobile Co., Ltd., a global Joint Venture of Geely Holding & Mercedes-Benz. Developed in the HELLA Nanjing Technical Centre and manufactured in HELLA's lighting plant in Changchun in China, the headlamps are now available as an economic variant with reflector modules and a premium variant with LED adaptive driving beam module which has 24 segments in 2-rows. HELLA provides lighting technologies that support intelligent lighting functions and customized styling for the Smart #1. The car will be on the road by the end of July 2022.

The headlamp of the Smart #1 is equipped with high-performance lighting systems with adaptive driving functions by HELLA. LEDs can be controlled via digital signals. Thus, they provide optimal road vision and realize a glare-free high beam function. For example, it allows eclipsing other road users from the light beam, thus avoiding blinding other road users and enhancing safety on the road.

In addition to its high performance, the headlamp has become a key styling feature for the Smart #1. In the headlamp, HELLA added white ambient light with a sparkling effect achieved by a light guide technology with digital control, thus adding a more dynamic and modern touch to the design. The lens size of the projector modules in the premium variant only has a width of around 80mm and a height of around 30mm. The signal lighting functions, such as daytime running light, position light and front turn indicator, are combined in one thickwall optics system. The compact design of the Smart #1 headlamp creates more space and possibilities for the design of the vehicle. In addition, it can also realize complex light animations such as welcome and leaving home scenarios.

With its strong local presence in China, HELLA offers lighting products with great added customer value for the Smart #1, thereby underlining its commitment to the local Chinese market and shaping tomorrow's mobility.

About HELLA

HELLA is a listed, internationally positioned automotive supplier operating under the umbrella brand FORVIA. Within this factual group, HELLA stands for high-performance lighting technology and automotive electronics. At the same time, the company covers a broad service and product portfolio for the spare parts and workshop business as well as for manufacturers of special vehicles with its Business Group Lifecycle Solutions. HELLA has 36,000 employees at more than 125 locations worldwide and generated preliminary currency and portfolio-adjusted sales of € 6.2 billion in the fiscal year 2021/2022.

About FORVIA

FORVIA comprises the complementary technology and industrial strengths of Faurecia and HELLA. With over 300 industrial sites and 77 R&D centers, 150,000 people, including more than 35,000 engineers across 40+ countries, FORVIA provides a unique and comprehensive approach to the automotive challenges of today and tomorrow. Composed of six Business Groups with 24 product lines, and a strong IP portfolio of over 14,000 patents, FORVIA is focused on becoming the preferred innovation and integration partner for OEMS worldwide. FORVIA aims to be a change maker committed to foreseeing and making the mobility transformation happen. www.forvia.com

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