PRESS RELEASE

Lippstadt, Germany
19. November 2026

FORVIA HELLA brings intelligent CAN bus lighting technology to the Fendt 800 and 1000 Vario as well as 1100 Vario MT

- First CAN bus-controlled work lamp system for agricultural vehicles
- UltraVision package in the Fendt 800 Vario: twenty-two addressable modules with up to 96,800 lumens
- Individual lighting control via tractor terminal at the touch of a button

The international automotive supplier FORVIA HELLA is supplying the complete work lamp system for the fifth-generation Fendt 800 Vario, the second-generation Fendt 1000 Vario Gen4 and the second-generation Fendt 1100 Vario MT. The new lighting system sets a milestone in the agricultural sector: for the first time, almost all working lamps are controlled via CAN bus, which enables precise, individual control of each individual module. The lighting system was developed in close partnership with Fendt, the premium brand of the US agricultural machinery manufacturer AGCO.

Agricultural operations are highly dependent on weather conditions and often work late into the night within tight time windows — for example during sowing or harvesting. In these situations, high-quality, high-precision illumination is particularly important. The new work lamp system from FORVIA HELLA meets these requirements with pinpoint accuracy. The "UltraVision" lighting concept of the Fendt 800 Vario tractor generates a complete 360° illumination of the working environment with a total of up to 96,800 lumens, setting a new benchmark in lighting technology for agricultural machinery. On the Fendt 1000 Vario, the system delivers up to 114,700 lumens.

"With the UltraVision system, we have developed visionary work lamps together with AGCO/Fendt that brings light to where it is needed in the respective situation – low-glare, powerful and software-controlled," says Dr. Fabian Utermöhlen, Vice President Sales & Marketing in the Lifecycle Solutions Business Group at FORVIA HELLA. "The CAN-bus- architecture with individually addressable modules and the thermal performance in the plastic housing show how precision and efficiency can be significantly increased."

The UltraVision-package includes up to twenty-two work lamps on the vehicle. Each module delivers around 4,400 lumens at 46 watts and combines three illumination variants – for close-, medium- and long-range – into a homogeneous light pattern. Via the CAN-bus (Controller Area Network), which Fendt is now deploying for the first time ever in the agricultural machinery sector, all lamps can be controlled centrally via the tractor terminal. This allows the work lamps to be adjusted in real time – for example, to reduce self-glare caused by the reflection of the bonnet or to take an escort vehicle into account. The system offers a wide range of functions for this purpose: a five-stage dimming function for fine-tuned brightness control, the flexible grouping of several lamps and a reflection function for synchronised control of entire light groups. Up to four individual user profiles can be stored – so drivers can switch between personally configured lighting settings at the touch of a button.

In addition to the UltraVision package, the portfolio also includes a standard version for the basic equipment. It is based on the proven FORVIA HELLA S-series and does not require software control – designed for applications where cost-effectiveness is the priority. By leveraging an existing platform, development effort and time to market were reduced, while at the same time incorporating the proven quality, reliability and technical expertise gained from numerous series-production projects into the new solution.

The development of the UltraVision 360° lighting concept pursued the goal of creating a new dimension in vehicle lighting. The close collaboration between both engineering teams resulted in a lighting solution that enables optimal illumination of the vehicle environment and thus sets new standards for visibility and safety in the agricultural sector. Fendt relies on UltraVision in several tractor series: the Fendt 800 Vario, the Fendt 1000 Vario, and the Fendt 1100 Vario MT tracked tractor.

Media Contacts

Daniel MORFELD
Group Press Officer
+49 (0) 2941 38 7566
daniel.morfeld@forvia.com

Riccarda KIRWALD
Press Officer Corporate & Finance,
Lifecycle Solutions
+49 (0) 170 327 77 43
riccarda.kirwald@forvia.com

Address

HELLA GmbH & Co. KGaA
Rixbecker Straße 75
59552 Lippstadt / Germany
www.hella.com

FORVIA, a global automotive technology supplier, comprises the complementary technology and industrial strengths of Faurecia and HELLA. With over 137,500 people, including more than 12,000 R&D engineers across 40+ countries, FORVIA provides a unique and comprehensive approach to the automotive challenges of today and tomorrow. Composed of 6 business groups and a strong IP portfolio of over 12,400 patents, FORVIA is focused on becoming the preferred innovation and integration partner for OEMs worldwide. In 2025, the Group achieved a consolidated revenue of €26.2 billion prior to IFRS 5. FORVIA SE is listed on the Euronext Paris market under the FRVIA mnemonic code and is a component of the SBF 120 index. FORVIA aims to be a change maker committed to foreseeing and making the mobility transformation happen. **www.forvia.com**

FORVIA HELLA is a listed international automotive supplier. As a company of the FORVIA Group, FORVIA HELLA stands for high-performance lighting technology and vehicle electronics and, with the Lifecycle Solutions Business Group, also covers a broad service and product portfolio for the spare parts and workshop business as well as for manufacturers of special vehicles. With currently around 34,000 employees at over 125 locations, the company is active worldwide and generated adjusted sales of €8.0 billion in the fiscal year 2025. **www.hella.de**