

LIPPSTADT (GERMANY)

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CONEXPO 2023: HELLA presents new lighting solutions for construction machinery and mining vehicles

- Introducing the New C240 LED combination headlamp from HELLA with exceptional design for heavy-duty applications
- Smart lighting solutions increase operator safety, health and productivity
- All-round talent: Second generation of the RokLUME 280N work light with six illumination variants

Lighting and electronics expert HELLA, operating under the FORVIA umbrella, will present several innovative new products at CONEXPO. The world's leading construction and mining machinery trade fair will take place in Las Vegas, NV, from March 14 to 18, 2023 (South Hall First Level, Booth S62633). As a US product introduction, HELLA will be presenting a brand-new C240 LED combination headlamp to the broader public for the first time. The combination headlamp boasts an extraordinary design and enormous robustness and can be mounted in various ways. It has all the important light functions such as low beam, high beam, position light, daytime running light, hazard warning, and front turn signal. The housing and lens are made of impact-resistant plastic. The combination headlamp is also vibration-resistant, dustproof, and waterproof, making it ideal for the toughest conditions. A high-quality DEUTSCH DT connector and an ISO pulse indicator failure check ensure the combination headlamp meets all functional safety requirements. In addition, the C240 is available in both ECE and SAE versions.

S series Work Lamps with innovative LED technology

"Simple, steady, and streamlined" - is the motto of the new S series. The work lamps in this series offer innovative LED technology and complement the Module 70, Module 90, and Power Beam work lamp families. The work lamp provides homogeneous illumination with a color temperature of around 6,500 Kelvin, which is similar to daylight.

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Compared to halogen devices, the S series scores with high efficiency. The integrated electronics protect the device in case of polarity reversal and ensure constant brightness even with the operating voltage fluctuating between 9 to 32 volts DC. Depending on the model, the S series is available with a round or square design, and a surface mounted or recessed version. The Module 70 and Power Beam models are available in 1,000 and 1,850-lumen versions, and Module 90 is available in 1,850 and extremely high 4,000-lumen versions. The universal and slim design allows vehicle manufacturers to convert existing halogen work lamps easily and quickly to LED technology. The housing and the lens are made of special plastics, which not only reduce weight but are also highly corrosion resistant. The new cooling fin design is modern and ensures optimum heat dissipation, thus increasing the efficiency and service life of the work lamps. The S-series work lamps are available in close-range and long-range illumination. Further model and illumination variants are already under development.

Smart lighting solutions for heavy-duty applications

With the intelligent work lamp RokLUME 280N SMART, HELLA is presenting another high-light for heavy-duty applications at CONEXPO. The RokLUME 280N SMART increases safety in mining and construction sites. With its light settings, the intelligent work lamp changes the color temperature from warm to cool white and the light color to green or amber, depending on the variant. This adjustment of the light color is of utmost importance, especially in poor visibility conditions caused by dust, snow, or fog, to ensure the highest possible visibility. In addition, the brightness level can be adjusted to the current lighting conditions using the dimming function. The work lamp has six illumination options, including **ZEROGLARE** with a new patent-pending reflector. The work lamp can be operated easily and quickly by using the HELLA control panel or the Human Machine Interface (HMI) in the vehicle.

Conventional work lamps can be replaced with the intelligent RokLUME 280N SMART in no time. Powerline communication (PLC) enables the control unit (gateway) to communicate with the work lamps over the existing harness without interference and no changes to the vehicle architecture. Unplanned downtime is prevented with the lifetime management function which give a warning before the work lamp's lifetime expires. Anti-theft protection and a memory function for storing individual illumination settings are also integrated. With Gateway Prime, the vehicle can also be equipped with a cornering light function.

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 consolidated sales of € 6.3 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 6 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

RokLUME 280N Gen. 2 work lamp with six illumination variants

Another HELLA highlight is the popular RokLUME 280N work lamp for heavy-duty applications. The RokLUME 280N Gen. 2 series work lamps are well-suited for harsh mining environments and heavy-duty applications. This is because ideal working area illumination is crucial, especially in rough terrain, so that the driver can react to obstacles and hazards in good time. With a very high light output of up to 5,000 lumens and six illumination options, including a tunnel floodlight, the RokLUME 280N Gen. 2 work lamps not only provide better visibility and thus increased safety, but also improved productivity, as the light is similar to daylight, allowing operators to work with less fatigue. Meanwhile, its energy consumption is just 50 watts. Compared to halogen devices, this means a reduction in power consumption and thus contributes to CO2 reduction. The housing of the RokLUME 280N Gen. 2 work lamp is made of high-quality die-cast aluminum with a corrosion-resistant NanoSafe coating that is optimally adapted to harsh environments. All work lamps in the series can be mounted upright, suspended, and horizontally thanks to a centered, robust bracket and are optimally adapted to environments with high vibration requirements. With its compact size, the new RokLUME 280N Gen. 2 work lamp is an absolute all-rounder, ideal for all mining vehicles and heavy-duty machines.

In addition to the highlights mentioned, HELLA will present its complete product portfolio ranging from front and rear lighting, VISIOTECH projection technology, and warning lights to electrical and electronic products.

Experience the innovative HELLA lighting solutions for construction machinery and mining vehicles live at CONEXPO in Las Vegas, NV, from March 14 to 18, 2023, in South Hall First Level, Booth S62633.

Please note: This text and corresponding photo material can also be found in our press database at:

www.hella.com/press

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