

WORK LAMP

Dedicated for commercial vehicles

Hella has launched the Roklime 280 N Smart lamp. The CAN-connectable device is suitable for construction, mining, agriculture, and forestry machinery.

In order to increase operator safety, health, and productivity in mining, construction work, or forestry, Hella has developed the Roklime 280 N Smart work lamp. It can adjust its light to different weather or driving conditions. Experience shows that visibility in dusty, snowy, or foggy conditions can be improved by using green or amber light. With the work lamp, operators can change the color accordingly. In addition, the product is equipped with a dimming function to reduce both blinding oneself and other operators. In addition, the color temperature can be adjusted from warm white to cold white. This can increase visibility in many different situations.

For conversion, the work light has the same dimensions as the work lamp without CAN connectivity. The device is available in six different light distribution variants: with diffuse flood, close range, long range, pencil beam, tunnel flood (perfect for underground mining), or zero-glare illumination. It is also equipped with a lifetime function. With it, the product gives advance warning before the headlamp's service life expires, thus preventing unplanned downtime. Also integrated is an anti-theft protection and a memory function for saving individual illumination settings.

The control unit, which comes with the lamp, uses power line communication (PLC), which means signals to the work lamp can be sent through existing wiring harness. This allows manufacturers to offer a lighting upgrade without having to change the vehicle architecture, provide separate wiring harnesses, or circuits to control the work lamps. This simplifies the vehicle architecture. If the work lamp is retrofitted, it is controlled via Hella's control panel, which is also included in the set. The original equipment manufacturer (OEM) version is supplied with a CAN interface. The work lamp can thus be controlled via the customer's human machine interface (HMI).



The work light can be connected to CAN-based networks (Source: Hella)

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