

## **New lighting options for Liebherr XPower® wheel loaders: adaptive working lighting and key with remote control**

- New lighting options available for all XPower® wheel loaders
- Adaptive working lighting: intelligent light sensors react to lift arm position and articulation angle to optimise working area illumination
- Liebherr key with remote control: opens cab and activates cab lighting at the push of a button

**Bischofshofen (Austria), 20 July 2017 – Liebherr presents innovative lighting options for the XPower® wheel loaders: adaptive working lighting and the Liebherr key with remote control. Both options improve lighting and safety particularly at twilight, during the night, underground or in other low light conditions. Adaptive working lighting is an intelligent light control system. It reacts intuitively to the lift arm position and articulation angle of the wheel loader using modern LED light sensors. This means working areas are always evenly lit. The adaptive working lighting also makes irritating glare or reflections from steel machine parts a thing of the past. The Liebherr key with remote control opens the driver's door at the push of a button and activates the cab lighting. This illuminates the entire entry area and ensures the driver can get into the operator's cab safely.**

### **Adaptive working lighting always shows the working area in the best light**

Poor lighting conditions in work areas present wheel loader operators with significant challenges. This is particularly true for operations underground, at twilight or at night. The new adaptive working lighting for Liebherr wheel loaders addresses this issue and increases safety and comfort. Using an intelligent light control system, adaptive working lighting evenly illuminates the entire working area.

With conventional lighting systems, machine operators have to compromise on the brightness of the headlights. On full beam, the light is reflected on steel machine parts or on the drop sides of trucks, which creates glare and shadows. And when light output is reduced, visibility deteriorates. Adaptive working lighting solves this problem. With

the help of sensors, the light output automatically adjusts itself to the position of the lift arm and the working equipment and to the articulation angle of the wheel loader.

This provides the machine operator with significantly more light when the bucket is lowered and when the working equipment is lifted, the headlights dim. Glare on steel machine parts or shadows on the drop sides of vehicles is minimised.

### **LED working lights for a higher light output and longer life**

With adaptive working lighting, an additional LED headlamp on the front of the vehicle maximises the lighting conditions when equipment is raised. The result is an optimally lit working area. Strain on the machine operator from glare, reflection and shadows is reduced. With adaptive working lighting there are also four dimmable LED or halogen working lights at the top edge of the cab and two standard LED or halogen headlights to ensure good lighting conditions and a high level of safety.

Customers can request the high-performance LED working lights. They provide an even better light output and lower energy consumption than conventional headlights. LED working lights also provide a longer service life, which increases the wheel loader's productivity.

### **Key with remote control: safely illuminated cab entry area at the push of a button**

In addition to adaptive working lighting, Liebherr has developed another useful option for the XPower® wheel loaders: the key with remote control. The machine operator can lock and unlock the cab at the push of a button using remote control. The cab door also opens automatically at the touch of a button and a sensor simultaneously activates the cab's interior lighting. With this new feature, the cab and entire entry area are well lit, giving machine operators safe and comfortable access to their workplace at the start of their shift. These functions are easily and intuitively operated using the remote control.

### **Image captions**

liebherr-adaptive-working-lighting.jpg

Adaptive working lighting is available at the customer's request for all XPower® wheel loaders. The extra LED headlight on the front improves lighting conditions when the equipment is raised.

liebherr-remote-key-access cabin.jpg

The Liebherr remote control key automatically activates the lighting when the cab door is opened. The machine operator can enter the cab safely and comfortably, even in the dark.

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