

DAF – LED Technology



LED head lights

Good visibility during night drives is of vital importance. Traditionally trucks were equipped with filament light bulbs. The effectiveness of the head lights was steadily improved by increasing the power of the bulbs and using better reflectors and lenses.

In pursuit of more natural and brighter light, halogen head lights were used from the mid eighties of the last century. Halogen lamps feature a larger footprint than bulbs and a 10 times longer service life. In the beginning of this century the luminous efficiency and service life were further increased with fluorescent Xenon lamps.

DAF LED lights

DAF was the first truck manufacturer to offer main vehicle lighting with LEDs for CF and XF models. The advantages of LED lights as compared even to Xenon lamps are evident:

- Increased light efficiency with less power consumption
- Brighter light with daylight resembling colour
- Homogeneous light distribution
- Wider and deeper footprint
- Lifetime exceeding the vehicle's lifetime

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Halogen



Xenon



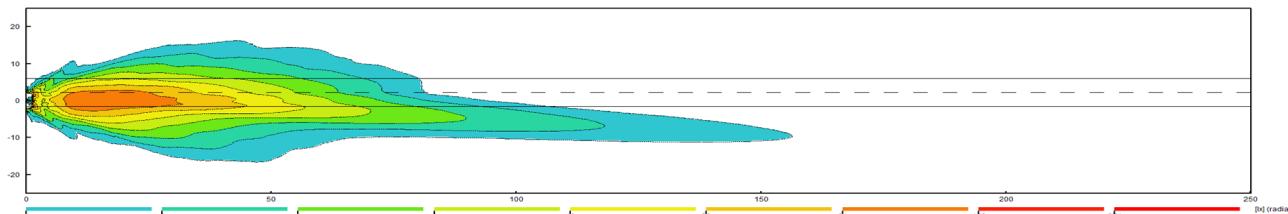
LED

Driver benefits

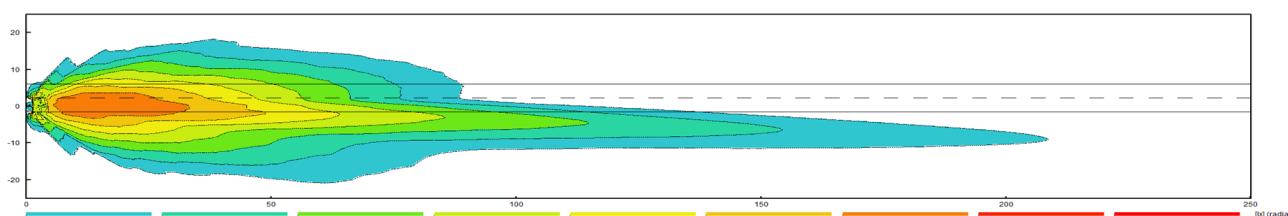
- Natural vision and homogeneous light distribution prevent fatigue
- Large footprint augments the road safety
- No roadside replacement of LED lamps

Operator benefits

- Low power consumption
- No maintenance required, maximum availability of the vehicle, no downtime
- Excellent visibility enhances driver alertness and traffic safety



Halogen head light



LED head light

Note: LED head lights can be specified on CF and XF models with MX-11 or MX-13 engine. Depending on the axle configuration and suspension type, LED may not be available for some vehicle models.

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LED rear lights

In itself, the use of LED rear lights is not unique in the truck industry. The optional DAF LED rear lights, however, certainly are. They clearly distinguish themselves from other makes by striking features like the running lights for the direction indicators and a glowing surround of the tail lights.

The state-of-the-art DAF LED rear lights not only enhance the vehicle's overall appearance, but also improve the road safety due to better visibility and better recognition when turning.

Compared to bulb lights the LED rear lights are substantially less power consuming (approx. 3W instead of 21W), while the lifetime of the LED lights exceeds the vehicle's life time.

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LED day time running lights

For maximum reliability, minimum power consumption and optimum visibility even in broad daylight, LEDs are used for the day time running lights of DAF vehicles.

LED work lamp

Work lamps behind the cab or in the chassis rear overhang help connect a semi-trailer or operate loading systems for demountables safely. DAF uses LED technology because of its bright and homogeneous light distribution.

Summary

DAF makes extensive use of LED technology in the external vehicle lighting, because LED light is very efficient, does not require any maintenance and provides the best visibility under various conditions.

