Product family datasheet

Lightbar FX500-SP SM GEN 2

Single mount certified
For individual installation

Up to 470 m long beam
Improved far and near field illumination

Spot Beam
For particularly focused high beam distribution

IP & IK protection classes
Tested and validated in a DIN-certified environmental simulation laboratory regarding extreme external influences such as water, dust, shocks, impacts, heat, cold, permanent vibrations and many more

Increased brightness for far and near field illumination

Particularly when driving on rural and dirt roads, a greater range of visibility can play a key role in ensuring safety. The LEDriving Lightbar FX500-SP SM GEN 2 provides additional, near and far field illumination on dark roads with up to 3.930 Lumen. Even in poor visibility conditions or at dusk, the 15 high-performance LEDs reach a light distance of up to 470 meters and daytime lighting conditions with a color temperature of 6000 Kelvin. The driving light impresses with its special reflector design and ensure not only a modern and appealing look but also reduces glare for more visibility on the road. It can be used as both a supplementary LED high beam headlight and a powerful working light. The light is fully ECE-compliant in both versions and therefore suitable for use on roads. Additionally, OSRAM has developed a specially designed mounting kit, compatible with all driving lights of the Functional series FX Gen 2 for individual mounting. Versatile applicable, it defies numerous environmental influences and, thanks to high-quality materials such as the aluminum housing and the stable polycarbonate lens, it is particularly light and at the same time robust and resistant. Complete polarity protection both prevents damage from excess voltage and contributes to a longer lifespan. The LEDriving Lightbar FX500-SP SM GEN 2 has been tested and validated with the IP-Protection Classes IP6K8 &

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IP6K9K in our DIN certified environmental simulation laboratory for extreme external influences regarding water, dust, impacts, heat, cold and permanent vibration. Its variability gives the FX series a flexible range of uses. They can be attached to cars, trucks, agricultural machinery, commercial vehicles, construction vehicles, caravans, off-road vehicles and quads[1)]. OSRAM provides a 5-year guarantee[2)].1) OSRAM LEDriving Driving Lights are approved according to ECE regulations and may therefore be installed and operated on public roads. Please note: Special installation regulations apply. In addition to ECE approval of the product, individual special requirements and legislation of the countries must be observed. 2) For precise conditions refer to: www.osram.com/am-guarantee

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Technical data

	Electrical Data	Photometric Data	Lifetime Data	Certificates & standards
Product description	**Nominal wattage**	**Nominal luminous flux**	**Lifespan Tc**	**ECE reference number**
Lightbar FX500-SP SM GEN 2 LEDDL131-SP SM	56 W	3930 lm	> 5000 hr	30 + 30

	Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)			
Product description	**Candidate list substance 1**	**CAS No. of substance 1**	**Safe use instruction**	**Declaration no. in SCIP database**
Lightbar FX500-SP SM GEN 2 LEDDL131-SP SM	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	7238d24b-35bd-4fda-b7f1-d85f6ad7e8a7

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Download Data

	File
	User instruction GPRS_Safety symbols instructions

Safety advice
For detailed application information, please refer to the product data sheet and the user instruction

Legal advice
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Application advice
For more detailed application information and graphics please see product datasheet.

Disclaimer
Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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