Product 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

Product information

Application (Category and Product specific)	Driving Light - Additional high beam application - central single mount

General Product Information

Global order reference	LEDDL131-SP SM

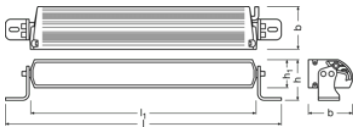
Electrical Data

Nominal wattage	56 W

Photometric Data

Nominal luminous flux	3930 lm
Color temperature	6000 K
Light distance at 1lx	470 m

Physical Attributes & Dimensions



Product weight	1878.00 g
Length	473.0 mm
Width	83.0 mm
Height	54 mm

Lifetime Data

Lifespan Tc	> 5000 hr
Guarantee	5 years

Additional product data

Connector to lamp	Deutsch (DT04-2P, DT06-2S)

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Capabilities

Technology	LED [1)]

[1)] Light-emitting diode application

Certificates & standards

Approval marks – approval	E57 approval
Type of protection	IP6K8/IP6K9K
Standards	R10, 2 x R149
ECE reference number	30 + 30

Logistical data

Commodity code	85122000900

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Candidate list substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe use instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration no. in SCIP database	7238d24b-35bd-4fda-b7f1-d85f6ad7e8a7

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172366182	Lightbar FX500-SP SM GEN 2 LEDDL131-SP SM	Folding carton box 1	517 mm x 138 mm x 89 mm	6.35 dm^3	2122.00 g
4062172366199	Lightbar FX500-SP SM GEN 2 LEDDL131-SP SM	Shipping carton box 4	537 mm x 295 mm x 208 mm	32.95 dm^3	9188.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Download Data

	File
	User instruction GPRS_Safety symbols instructions

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

Legal advice
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 please refer to: www.osram.com/am-guarantee

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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