

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 & 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 quads¹⁾. OSRAM provides a 5-year guarantee²⁾.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

Technical data

Product information

Order reference	LEDDL131-SP SM
Application (Category and Product specific)	Driving Light - Additional high beam application - central single mount

Electrical data

Nominal wattage	52.00 ... 55.00 W
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Photometrical data

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

Dimensions & weight



Product weight	1878.00 g
Length	54 mm
Width	83.0 mm
Height	437.0 mm

Lifespan

Lifespan Tc	> 5000 h
Guarantee	5 years

Additional product data

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

Product datasheet

Technology	LED ¹⁾
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¹⁾ Light-emitting diode application

Certificates & standards

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

Country specific categorizations

Order reference	LEDDL131-SP SM
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Logistical data

Commodity code	85122000900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	28-02-2024
Primary Article Identifier	4062172366182
Declaration No. in SCIP database	In work

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.

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.

Product datasheet

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.

The OSRAM logo is displayed in a bold, orange, sans-serif typeface.