

# Lightbar FX1000-CB SM GEN 2



**Single mount certified**  
For individual installation



**Up to 635 m long beam**  
Improved far and near field illumination



**Combo beam**  
Designed for both: far-field and near-field illumination



**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

## Product datasheet



### 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 FX1000-CB SM GEN 2 provides additional, near and far field illumination on dark roads with up to 8.000 Lumen. Even in poor visibility conditions or at dusk, the 40 high-performance LEDs reach a light distance of up to 635 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 FX1000-CB 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 quads<sup>1</sup>). OSRAM provides a 5-year guarantee<sup>2</sup>).<sup>1</sup> 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. <sup>2</sup>) For precise conditions refer to: [www.osram.com/am-guarantee](http://www.osram.com/am-guarantee)

## Product datasheet

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### Technical data

#### Product information

Order reference	LEDDL114-CB SM
Application (Category and Product specific)	Driving Light - Additional high beam application

#### Electrical data

Nominal voltage	12/24 V
Nominal wattage	140.00 W
Test voltage	13.2 V

#### Photometrical data

Luminous flux	8000 lm
Color temperature	6000 K
Light distance at 1lx	635 m

#### LED module information

Number of LEDs per module	40
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#### Dimensions & weight

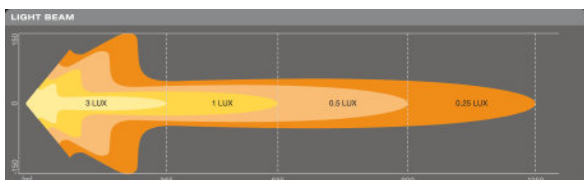
Product weight	4360.00 g
Length	1074 mm
Width	83.0 mm
Height	54 mm

#### Lifespan

Lifespan Tc	> 5000 h
Guarantee	5 years

### Additional product data

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Luminous intensity distribution

Connector to lamp	Open wire
Product remark	Beam Pattern: Combo

### Capabilities

Technology	LED <sup>1)</sup>
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<sup>1)</sup> Light-emitting diode application

### Certificates & standards

Standards	ECE R10, 2 x R112
Approval marks – approval	E57 approval
Type of protection	IP6K8/IP6K9K
ECE reference number	50 + 50

### Country specific categorizations

Order reference	LEDDL114-CB SM
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### Logistical data

Commodity code	85122000900
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## Product datasheet

### Environmental information








Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	28-02-2024
Primary Article Identifier	4062172154031
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	c2b80793-fe0b-4e19-b939-6a319f84b67b

### Logistical Data






Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172154031	Lightbar FX1000-CB SM GEN 2 LEDDL114-CB SM	Folding carton box 1	1147 mm x 138 mm x 89 mm	14.09 dm <sup>3</sup>	4835.00 g
4062172154048	Lightbar FX1000-CB SM GEN 2 LEDDL114-CB SM	Shipping carton box 2	1165 mm x 295 mm x 121 mm	41.58 dm <sup>3</sup>	10595.00 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 LEDriving Lightbar FX1000-CB SM
 Movie application OSRAM Quality Testing LEDriving working and driving lights (EN)
 Movie application OSRAM LEDdriving and working lights Imagefilm (EN)
 Movie application LEDriving Driving and Working Lights Reference Video (EN)
 Movie application OSRAM LEDriving driving and working lights FX1000-CB SM (EN)
 Movie application Working and Driving Lights Amarak Winter
 Movie application LEDriving driving & working lights in application (EN)

## Product datasheet

	Video Light is Quality -OSRAM LEDriving Driving and Working Lights Quality Tests (EN)
	Video OSRAM LEDriving driving and working lights: The night doesn't stand a chance
	Video OSRAM LEDriving driving and working lights in action - From on road to off road applications (EN)
	Video Reference Number made easy - Making sure your LEDriving Driving Lights are legal on public roads
	360 Degree Image LEDriving Lightbar FX1000-CB SM LEDDL114-CB SM

### 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](http://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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