

# 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 family 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 family datasheet

## Technical data

|   | Product information                                 | General Product Information | Electrical Data |                 |
|---|---|-----------------------------|-----------------|-----------------|
| Product description   | Application (Category and Product specific)         | Global order reference      | Nominal voltage | Nominal wattage |
| Lightbar FX1000-CB SM GEN 2<br>LEDDL114-CB SM <sup>1)</sup> | Driving Light -<br>Additional high beam application | LEDDL114-CB SM              | 12/24 V         | 140 W           |

|   |              | Photometric Data      | LED module information    | Lifetime Data | Capabilities      |
|---|--------------|-----------------------|---------------------------|---------------|-------------------|
| Product description   | Test voltage | Nominal luminous flux | Number of LEDs per module | Lifespan Tc   | Technology        |
| Lightbar FX1000-CB SM GEN 2<br>LEDDL114-CB SM <sup>1)</sup> | 13.2 V       | 8000 lm               | 40                        | > 5000 hr     | LED <sup>2)</sup> |

|   | Certificates & standards | Logistical data | Environmental & Regulatory Information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                            |
|---|--------------------------|-----------------|---|----------------------------|
| Product description   | ECE reference number     | Commodity code  | Date of declaration   | Candidate list substance 1 |
| Lightbar FX1000-CB SM GEN 2<br>LEDDL114-CB SM <sup>1)</sup> | 50 + 50                  | 85122000900     | 26-08-2024  | Lead                       |














| Product description   | CAS No. of substance 1 | Safe use instruction   | Declaration no. in SCIP database     |
|---|------------------------|--|--------------------------------------|
| Lightbar FX1000-CB SM GEN 2<br>LEDDL114-CB SM <sup>1)</sup> | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | c2b80793-fe0b-4e19-b939-6a319f84b67b |

<sup>1)</sup> Beam Pattern: Combo

<sup>2)</sup> Light-emitting diode application

## Product family datasheet

### Download Data

| File  |  |
|---|--|
|    | User instruction<br>LEDriving Lightbar FX1000-CB SM  |
|    | Movie application<br>OSRAM LEDriving driving and working lights FX1000-CB SM (EN)                          |
|    | Movie application<br>LEDriving D and W Image Video Bringing light to life (EN)                             |
|    | Movie application<br>Working and Driving Lights Amarok Winter  |
|    | Movie application<br>LEDriving Driving and Working Lights Reference Video (EN)                             |
|    | Movie application<br>OSRAM LEDdriving and working lights Imagefilm (EN)                                    |
|    | Movie application<br>LEDriving driving & working lights in application (EN)                                |
|    | Movie application<br>OSRAM Quality Testing LEDriving working and driving lights (EN)                       |
|   | Video<br>Light is Quality -OSRAM LEDriving Driving and Working Lights Quality Tests (EN)                   |
|  | Video<br>OSRAM LEDriving driving and working lights: The night doesn't stand a chance                      |
|  | Video<br>OSRAM LEDriving driving and working lights in action - From on road to off road applications (EN) |
|  | Video<br>Reference Number made easy - Making sure your LEDriving Driving Lights are legal on public roads  |
|  | ref_pim_ams_p_360degreeimages<br>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.