

# Lightbar FX250-SP

Higher luminosity for improved road safety



**Spot Beam**

Highly concentrated light beam



**Lighting distance up to 360 meters**

Improved far and near field illumination



**Beam angle 5°**

Exceptionally focused beam angle

## Product family datasheet



### High-performance LED auxiliary lights are permitted for use and improve visibility on roads

Not only does reliable and brilliant light improve visibility for drivers, above all, it improves safety on the road. The LEDDriving Lightbar FX250-SP automotive auxiliary light gives drivers a powerful supplemental high beam that is approved for use on roads. Even in difficult visibility conditions, the LED auxiliary light provides better perception of oncoming traffic with ten high-performance LEDs and 2700 lumen. Along with improving one's own safety, it improves road safety overall. The intelligent reflector design of the LED high beam offers extreme efficiency with even light distribution. The highly concentrated light greatly improves far field illumination. The light beam from the LED automotive headlight reaches up to 360 meters. Durability & wide range of applications Daily use demands quite a bit from a vehicle. The stress doesn't stop at the LED auxiliary light. This is why it is equipped with an extremely robust polycarbonate lens that can withstand even harsh conditions for longer periods. But high-quality materials aren't the only factor contributing to its durability: The integrated driver and thermal management system also plays a role in the long lifetime of the LED high beam light. Over and under voltage protection ensure that the circuit is automatically shut off when power exceeds the predetermined current for a specified amount of time. This temporarily prevents overheating and extends the lifetime of the LED auxiliary light. More light is important, and not only on roads: Powerful lighting is important off-road, on unlit dirt or forest roads and in agriculture. This is why the LEDDriving Lightbar FX250-SP LED auxiliary light can be easily installed on 4x4 and utility vehicles, and industrial and construction vehicles.

## Product family datasheet

### Technical data

|                     | Product information                         | General Product Information | Electrical Data |              | Photometric Data      |
|---------------------|---|-----------------------------|-----------------|--------------|-----------------------|
| Product description | Application (Category and Product specific) | Global order reference      | Nominal wattage | Test voltage | Nominal luminous flux |
| Lightbar FX250-SP   | Additional high beam application            | LEDDL103-SP                 | 35.00 W         | 13.5 V       | 2700 lm               |













|                     | Lifetime Data | Capabilities | Certificates & standards  |                    |
|---------------------|---------------|--------------|---------------------------|--------------------|
| Product description | Lifespan Tc   | Technology   | Approval marks – approval | Type of protection |
| Lightbar FX250-SP   | 5000 hr       | LED          | E4 approval               | IP67               |

|                     |               | Logistical data | Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                            |
|---------------------|---------------|-----------------|--|----------------------------|
| Product description | Standards     | Commodity code  | Date of declaration  | Primary article identifier |
| Lightbar FX250-SP   | ECE R10, R112 | 85122000900     | 21-06-2024   | 4052899595330              |

| Product description | Candidate list substance 1 | CAS No. of substance 1 | Safe use instruction   | Declaration no. in SCIP database     |
|---------------------|----------------------------|------------------------|--|--------------------------------------|
| Lightbar FX250-SP   | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 1e68ab0c-fc67-4595-92b2-f7f1f760842a |

## Product family datasheet

### Download Data

| File  |  |
|---|--|
|    | User instruction<br>LEDriving  |
|    | 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_amsproduct360degreeimages<br>LEDriving LIGHTBAR FX250-CB, LEDriving LIGHTBAR FX250-SP              |

#### Legal advice

In vehicles with 12/24 volts, auxiliary lights must be installed in pairs  
Precise terms and conditions at:  
[www.osram.com/guarantee](http://www.osram.com/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.

