

## Lightbar SX500-SP

Robust LED auxiliary light with powerful light output



### Compact housing design

Compact mounting dimensions enables a wide range of possible applications



### Lighting distance up to 370 meters

Increased far field illumination



### Spot Beam

Highly concentrated light beam



### Durable LED power for improved road safety

Intelligent lighting technology meets a long lifespan with the LEDriving Lightbar SX500-SP driving light. With a lifespan of 5000 hours, the LED auxiliary light with certified approval provides increased and long-lasting safety on the road.

With an illuminance of one lux, the beam from the LED auxiliary light can reach up to 360 meters with a beam angle of eight degrees. The 18 high-performance LEDs produce a brightness that is especially beneficial for drivers on unlit streets and in difficult visibility conditions.

The intelligent reflector design of the LED bar for automobiles provides very high optical efficiency with uniform light distribution and reduced glare for oncoming traffic. Reduced glare in particular counts as another important aspect of road safety.

But the light output from the 3900 lumen LED high beam isn't the only feature that gives the light its appeal: It also

enhances the off-road look of the vehicle.

### **Durable LED driving light for safe driving pleasure**

Daily use demands quite a bit from the material used. The LED auxiliary lights are therefore equipped with a long-wearing polycarbonate lens. The driving light also works in extreme air temperatures ranging from -30 to 60 degrees Celsius.

An integrated driver and thermal management system regulates heat generation during operation and protects the 18 high-performance LEDs from possible overheating.

Over and under voltage protection automatically breaks the circuit when power exceeds the predetermined current for a specified amount of time. This practical function provides added protection from operational damage.

The LEDriving Lightbar SX500-SP LED bar is suitable for cars, 4x4 and off-road vehicles and for utility and industrial vehicles. Thanks to compact mounting dimensions, even agricultural vehicles can benefit from the intense brightness of the LED auxiliary light.

Product family datasheet

Technical data

|                     | Electrical Data |              | Photometric Data      | Lifetime Data | Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |
|---------------------|-----------------|--------------|-----------------------|---------------|--------------------------------------------------------------------------------------------------------------|
| Product description | Nominal wattage | Test voltage | Nominal luminous flux | Lifespan Tc   | Primary article identifier                                                                                   |
| Lightbar SX500-SP   | 46.00 W         | 13.5 V       | 3900 lm               | 5000 hr       | 4052899595453                                                                                                |

| Product description | Candidate list substance 1 | CAS No. of substance 1 | Safe use instruction                                                                               | Declaration no. in SCIP database    |
|---------------------|----------------------------|------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------|
| Lightbar SX500-SP   | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | eeac3b9f-f23a-4a88-b6b0-a2deedd97cf |

Download Data

| File                                                                                |                                                                                                            |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
|    | User instruction<br>LEDriving Lightbar                                                                     |
|    | User instruction<br>GPRS_Safety symbols instructions                                                       |
|    | 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  |

Legal advice

In vehicles with 12/24 volts, auxiliary lights must be installed in pairsPrecise 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.

