

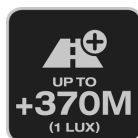
# Lightbar SX500-SP

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 datasheet

## Technical data

### Product information

|   |                                  |
|---|----------------------------------|
| Order reference                             | LEDDL107-SP                      |
| Application (Category and Product specific) | Additional high beam application |

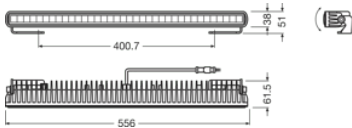
### Electrical data

|                 |         |
|-----------------|---------|
| Nominal voltage | 12/24 V |
| Nominal wattage | 45 W    |
| Test voltage    | 13.5 V  |

### Photometrical data

|                       |         |
|-----------------------|---------|
| Luminous flux         | 3900 lm |
| Color temperature     | 6000 K  |
| Light distance at 1lx | 370 m   |

### Dimensions & weight



|                |           |
|----------------|-----------|
| Product weight | 1200.00 g |
| Length         | 556.0 mm  |
| Width          | 62.0 mm   |
| Height         | 38.0 mm   |

### Lifespan

|             |         |
|-------------|---------|
| Lifespan Tc | 5000 h  |
| Guarantee   | 5 years |

## Additional product data

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Luminous intensity distribution

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|                   |              |
|-------------------|--------------|
| Connector to lamp | DT Connector |
|-------------------|--------------|

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### Capabilities

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|            |     |
|------------|-----|
| Technology | LED |
|------------|-----|

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### Certificates & standards

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|                           |               |
|---------------------------|---------------|
| Standards                 | ECE R10, R112 |
| Approval marks – approval | E4 approval   |
| Type of protection        | IP69K         |
| ECE reference number      | 30            |

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### Country specific categorizations

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|                 |             |
|-----------------|-------------|
| Order reference | LEDDL107-SP |
|-----------------|-------------|

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### Logistical data

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|                |             |
|----------------|-------------|
| Commodity code | 85122000900 |
|----------------|-------------|

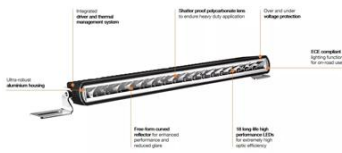
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### Environmental information

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## Product datasheet

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |  |
|---|--|
| Date of Declaration   | 28-02-2024   |
| Primary Article Identifier  | 4052899595453  |
| 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                                      | eeac3b9f-f23a-4a88-b6b0-a2deeedd97cf   |





### Product Info Graphics

### Logistical Data









| Product code  | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899595453 | Lightbar SX500-SP   | Folding carton box<br>1      | 637 mm x 137 mm x<br>89 mm           | 7.77 dm <sup>3</sup>  | 1518.00 g    |
| 4052899595460 | Lightbar SX500-SP   | Shipping carton box<br>4     | 654 mm x 296 mm x<br>208 mm          | 40.27 dm <sup>3</sup> | 6716.00 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<br>LEDriving Lightbar   |
|  | Movie application<br>OSRAM Quality Testing LEDriving working and driving lights (EN) |

## Product datasheet

|   |   |
|---|---|
|  | Movie application<br>OSRAM LEDdriving and working lights Imagefilm (EN)                                     |
|  | Movie application<br>LEDdriving Driving and Working Lights Reference Video (EN)                             |
|  | Movie application<br>Working and Driving Lights Amarok Winter   |
|  | Movie application<br>LEDdriving driving & working lights in application (EN)                                |
|  | Video<br>Light is Quality -OSRAM LEDdriving Driving and Working Lights Quality Tests (EN)                   |
|  | Video<br>OSRAM LEDdriving driving and working lights: The night doesn't stand a chance                      |
|  | Video<br>OSRAM LEDdriving driving and working lights in action - From on road to off road applications (EN) |
|  | Video<br>Reference Number made easy - Making sure your LEDdriving Driving Lights are legal on public roads  |

### 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.



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