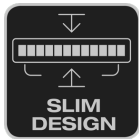


# Lightbar SX300-SP

Powerful and durable LED auxiliary light for safe driving pleasure



### Compact housing design

Compact mounting dimensions enables a wide range of possible applications



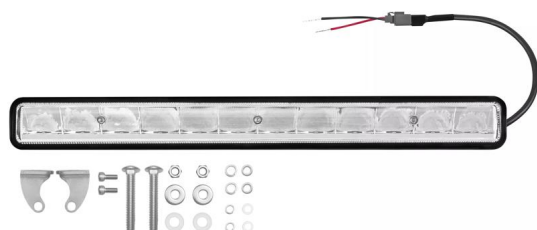
### Lighting distance up to 270 meters

Increased far field illumination



### Spot Beam

Highly concentrated light beam



### Vibrant LED light for more safety on the road

Unlit streets and dirt roads always present a greater risk for accidents. The LEDriving Lightbar SX300-SP LED auxiliary light not only shines more light in the darkness, it also increases safety in traffic. The LED auxiliary light with approval for use on roads is equipped with 12 high-performance LEDs and gives drivers better visibility. The perception of light is also enhanced for oncoming traffic. The search light therefore contributes to this aspect of road safety. Drivers can identify obstacles or potential hazards far in advance thanks to the beam range of the automotive auxiliary light. With an illuminance of one lux, the beam of light can reach up to 270 meters with a beam angle of eight degrees. The intelligent reflector design of the LED high beam provides extremely high optical efficiency with homogeneous light distribution. This means that oncoming traffic is exposed to less glare from the 2600 lumen LED light. Along with strong light output and improved road safety, the search light also offers visual appeal: It further enhances the unique off-road look of the vehicle. Ruggedness and durability for on and off-road use. Strong jolts and harsh weather conditions present major challenges for the material. To ensure a longer lifespan, the LED auxiliary light is therefore equipped with a hard-wearing polycarbonate lens that meets the toughest demands. The LEDriving Lightbar SX300-SP LED auxiliary light works dependably even at extreme temperatures of -30 to 60 degrees Celsius. That makes it the ideal companion, especially for off-road driving. The integrated driver and thermal management system protects the high-performance LEDs from possible overheating. In addition, over and under voltage protection prevents power from exceeding a defined current over a certain amount of time. Compact mounting dimensions mean that the LED auxiliary light can be used in a wide range of applications. Not only 4x4 and off-road vehicles, but utility and industrial vehicles can also benefit from the increased light output of the LED auxiliary light.

# Product datasheet

## Technical data

### Product information

|   |                                  |
|---|----------------------------------|
| Application (Category and Product specific) | Additional high beam application |
|---|----------------------------------|

### General Product Information

|                        |             |
|------------------------|-------------|
| Global order reference | LEDDL106-SP |
|------------------------|-------------|

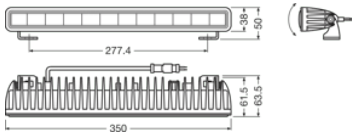
### Electrical Data

|                 |        |
|-----------------|--------|
| Nominal wattage | 29 W   |
| Test voltage    | 13.5 V |

### Photometric Data

|                       |         |
|-----------------------|---------|
| Nominal luminous flux | 2600 lm |
| Color temperature     | 6000 K  |
| Light distance at 1lx | 270 m   |

### Physical Attributes & Dimensions



|                |          |
|----------------|----------|
| Product weight | 700.00 g |
| Length         | 350.0 mm |
| Width          | 62.0 mm  |
| Height         | 38.0 mm  |

### Lifetime Data

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

### Additional product data

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

# Product datasheet

## Capabilities

|                   |     |
|-------------------|-----|
| <b>Technology</b> | LED |
|-------------------|-----|

## Certificates & standards

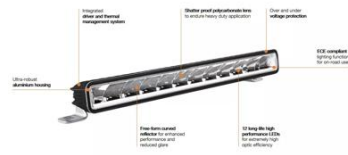
|                                  |               |
|----------------------------------|---------------|
| <b>Approval marks – approval</b> | E4 approval   |
| <b>Type of protection</b>        | IP69K         |
| <b>Standards</b>                 | ECE R10, R112 |
| <b>ECE reference number</b>      | 20            |

## Logistical data

|                       |              |
|-----------------------|--------------|
| <b>Commodity code</b> | 851220009000 |
|-----------------------|--------------|

## Environmental & Regulatory Information

| <b>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)</b> |  |
|--|--|
| <b>Date of declaration</b>   | 28-10-2024   |
| <b>Primary article identifier</b>  | 4052899595439  |
| <b>Candidate list substance 1</b>  | Lead   |
| <b>CAS No. of substance 1</b>  | 7439-92-1  |
| <b>Safe use instruction</b>  | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| <b>Declaration no. in SCIP database</b>                                      | ff87f5b2-63c7-4c37-a933-39ed1976d1eb   |



ref\_pim\_amsproductinfographic  
s

## Logistical Data













| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|--------------|---------------------|------------------------------|--------------------------------------|--------|--------------|
|--------------|---------------------|------------------------------|--------------------------------------|--------|--------------|

## Product datasheet

|               |                   |                          |                             |                       |           |
|---------------|-------------------|--------------------------|-----------------------------|-----------------------|-----------|
| 4052899595439 | Lightbar SX300-SP | Folding carton box<br>1  | 387 mm x 137 mm x<br>89 mm  | 4.72 dm <sup>3</sup>  | 943.00 g  |
| 4052899595446 | Lightbar SX300-SP | Shipping carton box<br>4 | 407 mm x 296 mm x<br>208 mm | 25.06 dm <sup>3</sup> | 4272.00 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>LEDriving D and W Image Video Bringing light to life (EN)                             |
|    | Movie application<br>Working and Driving Lights Amarak 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_product360degreeimages<br>Lightbar SX300-SP 360° Image                                       |

#### 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.

Product datasheet

**Disclaimer**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

