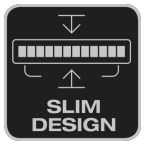
Product datasheet

# Lightbar SX180-SP

Improved safety on-road and off-road with the full force of LEDs




**Compact housing design**
Compact mounting dimensions enables a wide range of possible applications

**Lighting distance up to 190 meters**
Increased far field illumination

**Spot Beam**
Highly concentrated light beam

## Durable and robust LED auxiliary light with certified approval for use on roads

Bright light is particularly critical on unlit streets and dirt roads. It lets drivers identify obstacles on the road far in advance. With its six high-performance LEDs, the LEDriving Lightbar SX180-SP automotive auxiliary light gives drivers better visibility and improved safety on the road.

And the LED auxiliary light also impresses at shorter distances. With an illuminance of one lux and a beam angle of eight degrees, the beam of light can reach up to 190 meters. That's sufficient enough to identify obstacles on the road far in advance.

The sophisticated reflector design of the LED search light provides very high optical efficiency with uniform light distribution and reduced glare. Reduced glare is especially relevant for oncoming traffic and counts as another important aspect of road safety.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Beyond its light output, the LED high beam enhances the off-road style of the vehicle. Because the LED auxiliary light with certified approval is intended for roads, its use is not limited to off-road terrain.

**Various mounting options & durability**

It goes without saying that the LED auxiliary light has to withstand quite a bit when used almost daily. Its hard-wearing polycarbonate lens allows it to meet even the toughest demands while extending the lifespan of the auxiliary light for automobiles.

An integrated driver and thermal management system prevents possible damage from overheating. Over and under voltage protection automatically breaks the circuit when power exceeds the predetermined current for a specified amount of time.

Even major temperature fluctuations aren't a problem for the LEDriving Lightbar SX180-SP LED auxiliary lights. They work whether the air temperature is a very cold -30 or a hot 60 degrees Celsius. This is a very helpful feature, particularly during off-road tours.

Its compact mounting dimensions allow the LED working light to be mounted in a variety of ways. The LED auxiliary light can be easily installed even on the front end of 4x4 and off-road vehicles as well as utility and industrial vehicles.


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# Product datasheet

## Technical data

### Product information

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

### General Product Information

| | |
|---|---|
| **Global order reference** | LEDDL105-SP |

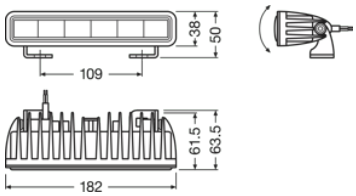
### Electrical Data

| | |
|---|---|
| **Nominal wattage** | 14 W |
| **Test voltage** | 13.5 V |

### Photometric Data

| | |
|---|---|
| **Nominal luminous flux** | 1300 lm |
| **Color temperature** | 6000 K |
| **Light distance at 1lx** | 190 m |

### Physical Attributes & Dimensions




| | |
|---|---|
| **Product weight** | 440.00 g |
| **Length** | 182.0 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 |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# Product datasheet

## Capabilities

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

## Certificates & standards

| | |
|---|---|
| **Approval marks – approval** | E4 approval |
| **Type of protection** | IP69K |
| **Standards** | ECE R10, R112 |
| **ECE reference number** | 10 |

## Logistical data

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

## Environmental & Regulatory Information

| **Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)** | |
|---|---|
| **Primary article identifier** | 4052899595415 |
| **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** | 8178a47c-1d91-4bbb-ad93-4bc27f63bb91 \| c06745e5-6807-4299-b076-a92e19b1403d \| a1bdcbc4-aa38-44ed-b994-4a48e9654415 \| 18bc4896-fc70-4f2a-9b2e-a25e95abb85c |

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## Logistical Data


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## Product datasheet

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---|---|---|---|---|---|
| 4052899595415 | Lightbar SX180-SP | Folding carton box 1 | 283 mm x 137 mm x 89 mm | 3.45 $dm^3$ | 626.00 g |
| 4052899595422 | Lightbar SX180-SP | Shipping carton box 8 | 371 mm x 304 mm x 307 mm | 34.62 $dm^3$ | 5523.00 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 |
| | 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 |
| | ref_pim_amsp_product360degreeimages<br>LEDriving Lightbar LEDDL105-SP |

**Legal advice**

In vehicles with 12/24 volts, auxiliary lights must be installed in pairsPrecise terms and conditions at: www.osram.com/guarantee


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**Application advice**
For more detailed application information and graphics please see product datasheet.

**Disclaimer**
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