

# 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

## Product datasheet



### 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. 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.

# Product datasheet

## Technical data

### Product information

Application (Category and Product specific)	Additional high beam application
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### General Product Information

Global order reference	LEDDL105-SP
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### 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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### Capabilities

Technology	LED
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### Certificates & standards

Approval marks – approval	E4 approval
Type of protection	IP69K
Standards	ECE R10, R112

### Logistical data

## Product datasheet

Commodity code	851220009000
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### Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of declaration	05-08-2024
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	a1bdcbc4-aa38-44ed-b994-4a48e9654415



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### Logistical Data













Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899595415	Lightbar SX180-SP		- x - x -	3.45 dm <sup>3</sup>	
4052899595422	Lightbar SX180-SP	Shipping carton box 8	- x - x -	34.62 dm <sup>3</sup>	

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
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## Product datasheet

	User instruction LEDDriving
	Movie application LEDDriving D and W Image Video Bringing light to life (EN)
	Movie application Working and Driving Lights Amarok Winter
	Movie application LEDDriving Driving and Working Lights Reference Video (EN)
	Movie application OSRAM LEDdriving and working lights Imagefilm (EN)
	Movie application LEDDriving driving & working lights in application (EN)
	Movie application OSRAM Quality Testing LEDDriving working and driving lights (EN)
	Video Light is Quality -OSRAM LEDDriving Driving and Working Lights Quality Tests (EN)
	Video OSRAM LEDDriving driving and working lights: The night doesn't stand a chance
	Video OSRAM LEDDriving driving and working lights in action - From on road to off road applications (EN)
	Video Reference Number made easy - Making sure your LEDDriving Driving Lights are legal on public roads
	ref_pim_amsmp_product360degreeimages LEDDriving Lightbar LEDDL105-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.



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