

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 LEDDriving 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 LEDDriving 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.

Technical data

Product information

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

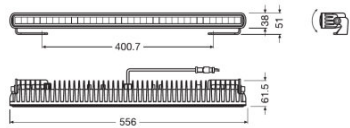
Electrical data

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

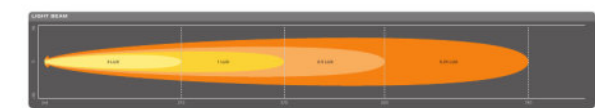


Product weight	120000 g
Length	5560 mm
Width	620 mm
Height	380 mm

Lifespan

Lifespan Tc	5000 h
Guarantee	5 years

Additional product data



Luminous intensity distribution

Connector to lamp	DT Connector
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Capabilities

Technology	LED
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Certificates & standards

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

Country specific categorizations

Order reference	LEDDL107-SP
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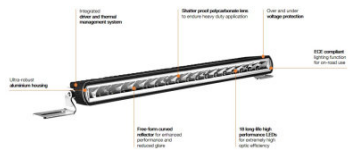
Logistical data

Commodity code	85122000900
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Environmental information

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-a2deedd97cf





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 1	637 mm x 137 mm x 89 mm	7.77 dm ³	1518.00 g
4052899595460	Lightbar SX500-SP	Shipping carton box 4	654 mm x 296 mm x 208 mm	40.27 dm ³	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 LEDriving Lightbar
	Movie application OSRAM Quality Testing LEDriving working and driving lights (EN)

Product datasheet

	Movie application OSRAM LEDdriving and working lights Imagefilm (EN)
	Movie application LEDdriving Driving and Working Lights Reference Video (EN)
	Movie application Working and Driving Lights Amarok Winter
	Movie application LEDdriving driving & working lights in application (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

Legal advice

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

Precise terms and conditions at: 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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