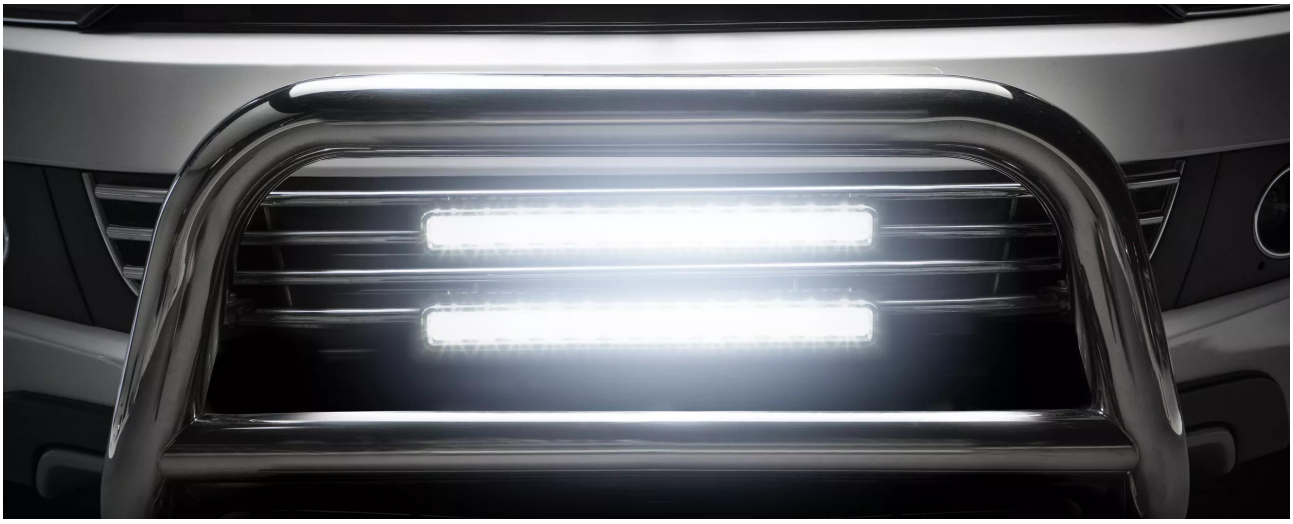
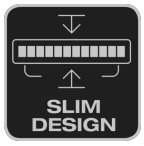
Product datasheet

Lightbar SX300-SP

Powerful and durable LED auxiliary light for safe driving pleasure

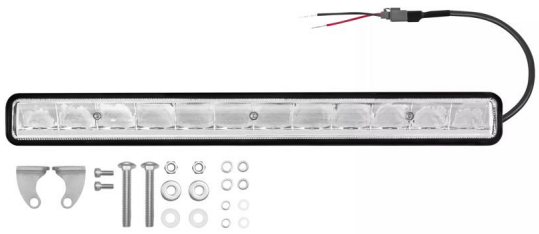




Compact housing design
Compact mounting dimensions enables a wide range of possible applications

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

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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.

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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	LEDDL106-SP

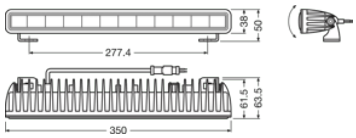
Electrical Data

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

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Product datasheet

Capabilities

Technology	LED

Certificates & standards

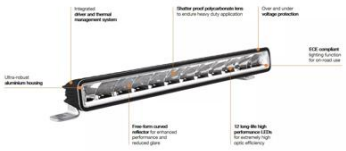
Approval marks – approval	E4 approval
Type of protection	IP69K
Standards	ECE R10, R112
ECE reference number	20

Logistical data

Commodity code	85122000900

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Primary article identifier	4052899595439
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	0436cd83-27e5-4abc-b659-9b1ba1bd2493 | ff87f5b2-63c7-4c37-a933-39ed1976d1eb | 92314dd7-d2e5-443d-88ee-74dc186f6771 | c24cdbbb-5119-47ef-98a1-6824a71ac2e5



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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
4052899595439	Lightbar SX300-SP	Folding carton box 1	387 mm x 137 mm x 89 mm	4.72 dm^3	943.00 g
4052899595446	Lightbar SX300-SP	Shipping carton box 4	407 mm x 296 mm x 208 mm	25.06 dm^3	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 LEDriving Lightbar
	User instruction GPRS_Safety symbols instructions
	Movie application LEDriving D and W Image Video Bringing light to life (EN)
	Movie application Working and Driving Lights Amarok Winter
	Movie application LEDriving Driving and Working Lights Reference Video (EN)
	Movie application OSRAM LEDdriving and working lights Imagefilm (EN)
	Movie application LEDriving driving & working lights in application (EN)
	Movie application OSRAM Quality Testing LEDriving working and driving lights (EN)
	Video Light is Quality -OSRAM LEDriving Driving and Working Lights Quality Tests (EN)
	Video OSRAM LEDriving driving and working lights: The night doesn't stand a chance
	Video OSRAM LEDriving driving and working lights in action - From on road to off road applications (EN)
	Video Reference Number made easy - Making sure your LEDriving Driving Lights are legal on public roads
	ref_pim_amsp_product360degreeimages Lightbar SX300-SP 360° Image

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.

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