Product datasheet

Lightbar SX500-CB

ECE certified - ECE R112

The necessary tests and approvals were carried out and an ECE type approval was granted[2)]

Combo Beam

Designed for both: far-field and near-field illumination. For widespread illumination in the near field and spot illumination in the far field.

Light beam up to 300 m length

See and be seen with OSRAM

On-road & Off-road

Versatile applicable and flexible in use.On-road & off-road, in terrain, at work and in the spare time.

Bringing light to life with OSRAM LEDriving driving and working lights

Considerable foresight on dark country roads, forest paths, off the beaten tracks, off-road and on-road- this can be achieved with the OSRAM LEDriving Lightbar SX500-CB. With its 18 powerful, high-performance long-life LEDs, the OSRAM LEDriving Lightbar SX500-CB has a range of up to 300 meters and thus offers the driver impressive foresight on-road and off-road. Even in dim light and reduced visibility due to external environmental influences, the OSRAM LEDriving Lightbar SX500-CB with up to 6000 Kelvin can provide conditions similar to daylight. The power package with up to 3900 lumens of luminosity scores with highest optical efficiency and homogeneous light distribution. This results in the possibility of an improved view for you and the improved visibility of your vehicle by other road users, and consequently also increased safety on-road and off-road. Whether on-road or off-road - OSRAM LEDriving Lightbar SX500-CB impresses with its powerful performance and a long service life with up to 5000 hours. Versatile applicable, it defies numerous environmental influences and, thanks to high-quality materials such as the aluminum housing and the stable polycarbonate lens, it is particularly light and at the same time robust and resistant. OSRAM LEDriving Lightbar SX500-CB has been tested and validated with the IP-Protection Class IP69K in our DIN certified environmental simulation laboratory for extreme external influences regarding water, dust, impacts, heat, cold and permanent

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vibration. The integrated driver and the thermal management system regulate the temperature of the LED Lightbar and can thus prevent damage from overheating. The polarity protection inhibits the wrong polarity of the voltage supply and can thus prevent possible damage by automatically switching off the LEDs. On-road and off-road, the OSRAM LEDriving Lightbar SX500-CB is an effective and efficient addition to your vehicle. No registration or entry in the vehicle documents is necessary for these ECE-certified LED driving light[2)].

ECE reference number: 20

The OSRAM LEDriving Lightbar SX500-CB can be attached to cars, trucks, agricultural machinery, farm machinery, commercial vehicles, construction vehicles, caravans, off-road vehicles and quads[2)].

The OSRAM LEDriving Lightbar SX500-CB is versatile applicable and flexible in use.

2) OSRAM LEDriving Driving Lights are approved according to ECE regulations and may therefore be installed and operated on public roads. Please note: Special installation regulations apply. In addition to ECE approval of the product, individual special requirements and legislation of the countries must be observed.

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Technical data

Product information

Application (Category and Product specific)	Additional high beam application

General Product Information

Global order reference	LEDDL107-CB
Product remark	Beam Pattern: Combo

Electrical Data

Nominal voltage	12/24 V
Nominal wattage	44 W
Test voltage	13.5 V

Photometric Data

Nominal luminous flux	3900 lm
Color temperature	6000 K
Light distance at 1lx	290 m

Physical Attributes & Dimensions

Product weight	1200.00 g
Length	556.0 mm
Width	62.0 mm
Height	38 mm

LED module information

Number of LEDs per module	18

Lifetime Data

Lifespan Tc	5000 hr
Guarantee	5 years

Additional product data

Connector to lamp	Open wire
Product remark	Beam Pattern: Combo

Capabilities

Technology	LED [1)]

[1)] Light-emitting diode application

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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)	
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	fc2e8a55-8b90-4bef-8ef0-46b3a7614c2e

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172142106	Lightbar SX500-CB	Folding carton box 1	637 mm x 137 mm x 89 mm	7.77 dm^3	1518.00 g
4062172142113	Lightbar SX500-CB	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
	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

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	Movie application LEDriving Driving and Working Lights Reference Video (EN)
	Movie application OSRAM LEDdriving and working lights Imagefilm (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

Legal advice

Legal advice:

The installation of the LEDriving Lightbar SX500-CB is fully ECE compliant and therefore registration free. This does not include individual custom requirements of countries, in addition to the standardized ECE certification of the product.

1) Precise terms and conditions at: www.osram.com/am-guarantee

2) OSRAM LEDriving Driving Lights are approved according to ECE regulations and may therefore be installed and operated on public roads. Please note: Special installation regulations apply. In addition to ECE approval of the product, individual special requirements and legislation of the countries must be observed.Refer to www.osram.com/am-guarantee for precise conditions

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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