Product datasheet

Lightbar VX500-SP



ECE certified - ECE R112

The necessary tests and approvals were carried out and an ECE type approval was granted2)ECE reference number: 50



Spot Beam

Designed for far field illumination. For a focused illumination in the far field of the vehicle.



Light beam up to 415 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.

© 2024, OSRAM GmbH. All rights reserved.



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 VX500-SP. With its 18 powerful, high-performance long-life LEDs, the OSRAM LEDriving Lightbar VX500-SP has a range of up to 415 meter 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 VX500-SP with up to 6000 Kelvin can provide conditions similar to daylight. The power package with up to 2800 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 - The OSRAM LEDriving Lightbar VX500-SP 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. The OSRAM LEDriving Lightbar VX500-SP has been tested and validated with the IP-Protection Class IP67 in our DIN certified environmental simulation laboratory for extreme external influences regarding water, dust, impacts, heat, cold and permanent 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 VX500-SP 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 lights2).ECE reference number: 50The OSRAM LEDriving Lightbar VX500-SP can be attached to cars, trucks, agricultural machinery, farm machinery, commercial vehicles, construction vehicles, caravans, off-road vehicles and quads2).The OSRAM LEDriving VX500-SP 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.

© 2024, OSRAM GmbH. All rights reserved.

Product datasheet

Technical data

Product information

Application (Category and Product specific)	Additional high beam application

General Product Information

Global order reference	LEDDL116-SP
Product remark	Beam Pattern: Spot

Electrical Data

Nominal voltage	12/24 V
Nominal wattage	63 W
Test voltage	13.2 V

Photometric Data

Nominal luminous flux	2800 lm
Color temperature	6000 K
Light distance at 1lx	415 m

Physical Attributes & Dimensions

Product weight	1760.00 g
Length	526.0 mm
Width	67.0 mm
Height	35 mm

LED module information

Number of LEDs per module	18

Lifetime Data

Lifespan Tc	5000 hr
Guarantee	2 years

Additional product data

Connector to lamp	Open wire

Capabilities

Technology	LED [1)]

[1)] Light-emitting diode application

© 2024, OSRAM GmbH. All rights reserved.

Certificates & standards

Approval marks – approval	E4 approval
Type of protection	IP67
Standards	ECE R10, R112
ECE reference number	50

Logistical data

Commodity code	85122000900

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of declaration	05-09-2024
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	6335fbbe-ca41-4ea7-8ead-e3dc79f51cb1

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172141918	Lightbar VX500-SP	Folding carton box 1	702 mm x 110 mm x 123 mm	9.50 dm^3	1985.00 g
4062172141925	Lightbar VX500-SP	Shipping carton box 4	722 mm x 242 mm x 274 mm	47.87 dm^3	8720.00 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 VX500-SP SR
	Movie application LEDriving D and W Image Video Bringing light to life (EN)
	Movie application Working and Driving Lights Amarok Winter

© 2024, OSRAM GmbH. All rights reserved.

	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
	ref_pim_amsp_product360degreeimages LEDriving Lightbar VX500-SP LEDDL116-SP

Legal advice

Legal advice:

The installation of the OSRAM LEDriving Lightbar VX500-SP 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.

© 2024, OSRAM GmbH. All rights reserved.