

Lightbar FX500-SP

Higher luminosity guarantees improved safety on the road



Spot Beam

Highly concentrated light beam



Lighting distance up to 450 meters

Improved far field illumination



Beam angle 5°

Exceptionally focused beam angle

Product datasheet



LED auxiliary lights enhance driving pleasure

Improved far field illumination on dark rural and dirt roads – it's no problem for the LEDDriving Lightbar FX500-SP. Its 20 intense, high-performance LEDs give the LED high beam a light distance up to 450 meters and ensure improved road safety for drivers. Even at dusk or in compromised lighting conditions, the LED bars for automobiles provide daylight conditions at a strong 6000 Kelvin without needlessly blinding oncoming traffic. The intelligent reflector design diverts the light from the LEDs so that oncoming traffic is only indirectly exposed to the light. The light is evenly distributed at a five degree angle. Robust, durable and versatile. Whether used as a LED working light or as an auxiliary high beam for the car – the powerful performance and long life of the LEDDriving Lightbar FX500-SP make it a compelling choice. Equipped for a wide range of uses, it defies environmental factors and is particularly robust thanks to the quality craftsmanship of its materials and hard-wearing polycarbonate lens. The integrated driver and thermal management system regulates the temperature of the LED automotive headlight and prevents damage caused by overheating. Full polarity protection ensures the LEDs are automatically shut off in the event of excess voltage. Brightness for a wide range of uses. The LEDDriving Lightbar FX500-SP is pure pleasure both on and off-road. The ECE-compliant LED auxiliary light ensures better visibility and thus improved safety on roads. In addition, it adds a smart touch that enhances the off-road style of the vehicle. The LED headlight can be mounted on many 12 V vehicles as well as agricultural machines, utility vehicles, recreational, off-road and 4x4 vehicles. The power package with an intense 3500 lumen brightness scores with the highest optical efficiency and homogeneous light distribution with reduced glare.

Product datasheet

Technical data

Product information

| | |
|---|----------------------------------|
| Application (Category and Product specific) | Additional high beam application |
|---|----------------------------------|

General Product Information

| | |
|------------------------|-------------|
| Global order reference | LEDDL104-SP |
|------------------------|-------------|

Electrical Data

| | |
|-----------------|---------|
| Nominal wattage | 36.00 W |
| Test voltage | 13.5 V |

Photometric Data

| | |
|-----------------------|---------|
| Nominal luminous flux | 3500 lm |
| Light distance at 1lx | 450 m |

Physical Attributes & Dimensions

| | |
|----------------|-----------|
| Product weight | 2100.00 g |
|----------------|-----------|

Lifetime Data

| | |
|-------------|---------|
| Lifespan Tc | 5000 hr |
| Guarantee | 5 years |

Additional product data

| | |
|-------------------|--------------|
| Connector to lamp | DT Connector |
|-------------------|--------------|

Capabilities

| | |
|------------|-----|
| Technology | LED |
|------------|-----|

Certificates & standards

| | |
|---------------------------|---------------|
| Approval marks – approval | E4 approval |
| Type of protection | IP67 |
| Standards | ECE R10, R112 |

Logistical data

| | |
|----------------|-------------|
| Commodity code | 85122000900 |
|----------------|-------------|

Environmental & Regulatory Information

Product datasheet











| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
|---|--|
| Date of declaration | 21-06-2024 |
| Primary article identifier | 4052899595378 |
| 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 | 6136b075-ed95-469c-afb3-c1e5dbba28dc |

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899595385 | Lightbar FX500-SP | | - x - x - | 40.19 dm ³ | |

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 |
|  Movie application LEDriving D and W Image Video Bringing light to life (EN) |
|  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 |

Product datasheet

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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