

## Lightbar MX500-CB AMBER EXTREME



### 4 in 1 functionality

White and amber position lights, LED high beam and an ultimate LED boost mode



### See and be seen with OSRAM

Up to 500 m long light beam in boost mode



### Combo beam pattern

Designed for both: far-field and near-field illumination



### IP & IK protection classes

Tested and validated in a DIN-certified environmental simulation laboratory



Powerful light output meets striking design – built for all terrains and demanding conditions

The OSRAM LEDriving Lightbar MX500-CB AMBER EXTREME redefines performance and design in one powerful lighting solution. Featuring a combo beam for both near-field and far-field illumination, it delivers an impressive light beam of up to 500m in boost mode. With a light output of up to 10.000 effective lumens, it ensures maximum visibility in even the most demanding environments. Its innovative 4-in-1 setup combines high beam, amber and white position lights, plus a boost function. The distinctive amber light signature goes beyond functionality – it's a confident design statement for drivers who value both performance and design. Adding to this, it features a dynamic Welcome Light: a flowing start up animation that activates when the system is switched on, giving your vehicle a distinctive, premium appearance from the very first moment.

Tested to the toughest standards, it features IP6K8 and IP6K9K protection classes, a shatterproof polycarbonate lens, and an aluminium die-cast housing – all compact, robust, and ready for any challenge. Whether on-road or off-road, the Multifunctional Series is an effective and efficient addition to your vehicle. They can be attached to cars, trucks, agricultural machinery, commercial vehicles, construction vehicles, caravans, off-road vehicles and quads<sup>1)</sup>. OSRAM provides a 5-year guarantee on these products<sup>2)</sup>.

Technical data

Product information

|                                             |                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product legal advice 1                      | 1) OSRAM LEDriving Driving Lights are approved according to ECE regulations and may therefore be installed and operated on public roads. Please note: The light functions boost mode and amber position light do not have ECE approval and must not be used on public roads. In addition, individual special regulations, and laws of countries outside Germany must be observed. |
| Product legal advice 2                      | 2) For precise conditions please refer to: <a href="http://www.osram.com/am-guarantee">www.osram.com/am-guarantee</a>                                                                                                                                                                                                                                                             |
| Application (Category and Product specific) | Additional high beam and position light                                                                                                                                                                                                                                                                                                                                           |

General Product Information

|                        |                     |
|------------------------|---------------------|
| Global order reference | LEDDL139-CB X       |
| Product remark         | Beam Pattern: Combo |

Electrical Data

|                 |                    |
|-----------------|--------------------|
| Nominal voltage | 12/24 V            |
| Nominal wattage | 75 W / 168 W / 4 W |
| Test voltage    | 13.5 V             |

Photometric Data

|                       |                                 |
|-----------------------|---------------------------------|
| Nominal luminous flux | 5700 lm (HB) / 10000 (Boost) lm |
| Color temperature     | 6000 K/1700 K                   |
| Light distance at 1lx | 370 m (HB) / 500 m (Boost)      |

Physical Attributes & Dimensions



|                |           |
|----------------|-----------|
| Product weight | 1958.00 g |
| Length         | 534.0 mm  |

Product datasheet

|        |         |
|--------|---------|
| Width  | 63.5 mm |
| Height | 43.5 mm |

LED module information

|                           |    |
|---------------------------|----|
| Number of LEDs per module | 36 |
|---------------------------|----|

Lifetime Data

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

Additional product data

|                   |                     |
|-------------------|---------------------|
| Connector to lamp | DT Connector        |
| Product remark    | Beam Pattern: Combo |

Capabilities

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

Certificates & standards

|                           |                     |
|---------------------------|---------------------|
| Approval marks – approval | E4 approval         |
| Type of protection        | IP6K8, IP6K9K       |
| Standards                 | ECE R10, R148, R149 |
| ECE reference number      | 30                  |

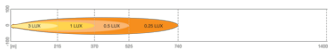
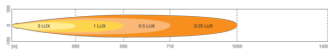
Logistical data

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

Environmental & Regulatory Information

|                                                                       |         |
|-----------------------------------------------------------------------|---------|
| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |         |
| Declaration no. in SCIP database                                      | In work |

Product datasheet



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Logistical Data

| Product code  | Product description                | Packaging unit<br>(Pieces/Unit) | Dimensions (length<br>x width x height) | Volume                | Gross weight |
|---------------|------------------------------------|---------------------------------|-----------------------------------------|-----------------------|--------------|
| 4062172426565 | Lightbar MX500-CB<br>AMBER EXTREME | Folding carton box<br>1         | 620 mm x 110 mm x<br>85 mm              | 5.80 dm <sup>3</sup>  | 2303.00 g    |
| 4062172426572 | Lightbar MX500-CB<br>AMBER EXTREME | Shipping carton box<br>4        | 640 mm x 240 mm x<br>203 mm             | 31.18 dm <sup>3</sup> | 9862.00 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<br>LEDriving LEDDL139-CB X Lightbar MX500-CB |
|  | User instruction<br>GPRS_Safety symbols instructions          |

Safety advice

For detailed application information, please refer to the product data sheet and the user instruction

Legal advice

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## Product datasheet

### 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.

The OSRAM logo is displayed in a bold, orange, sans-serif typeface.