

Lightbar MX250-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 330 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 MX250-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 330m in boost mode. With a light output of up to 4.600 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 light 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 quads¹⁾. OSRAM provides a 5-year guarantee on these products²⁾.

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: www.osram.com/am-guarantee
Application (Category and Product specific)	Additional high beam and position light

General Product Information

Global order reference	LEDDL138-CB X
Product remark	Beam Pattern: Combo

Electrical Data

Nominal voltage	12/24 V
Nominal wattage	50 W / 90 W / 2,5 W
Test voltage	13.5 V

Photometric Data

Nominal luminous flux	3600 lm (HB) / 4600 (Boost) lm
Color temperature	6000 K/1700 K
Light distance at 1lx	290 m (HB) / 330 m (Boost)

Physical Attributes & Dimensions



Product weight	1224.00 g
Length	283.0 mm

Product datasheet

Width	63.5 mm
Height	43.5 mm

LED module information

Number of LEDs per module	18
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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
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Certificates & standards

Approval marks – approval	E4 approval
Type of protection	IP6K8, IP6K9K
Standards	ECE R10, R148, R149
ECE reference number	20

Logistical data

Commodity code	85122000900
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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 (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172426541	Lightbar MX250-CB AMBER EXTREME	Folding carton box 1	370 mm x 110 mm x 85 mm	3.46 dm³	1494.00 g
4062172426558	Lightbar MX250-CB AMBER EXTREME	Shipping carton box 4	390 mm x 240 mm x 203 mm	19.00 dm³	6476.00 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 LEDDL138-CB X Lightbar MX250-CB
	User instruction 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.