Product datasheet

# Cube MX85-SP

Compact LED power for far field illumination

**2 LED light functions**
Working light and stylish X shape light

**Lighting distance up to 110 meters**
Increased far field illumination

**Beam angle 13.5°**
Exceptionally focused beam angle


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## Powerful LED working lights for off-road use

Reliable technology and intense far field illumination: The LEDriving Cube MX85-SP LED high beam brings the two together effortlessly. With four high-performance LEDs, the working light reaches a light distance of up to 110 meters.The working light ideally equips any car for far field illumination. With a light distance of 110 meters and a beam angle of 13.5, work in off-road terrain can continue even at quite a distance from the vehicle. The 6000 Kelvin color temperature produces daylight conditions.The LEDriving Cube MX85-SP working lights offer two light functions. One is the classic working light with up to 1250 lumen, and the other is the stylish X shape LED working light.Along with its compact format and durable craftsmanship, the LED working light scores as a smart enhancement to the vehicle's off-road style.Compact and robust with a long lifespanWhen it comes to durability and ruggedness, exceptional quality is called for when using the retrofit working light in off-road conditions. The hard-wearing polycarbonate lens meets the toughest demands and reliably defies wind and weather in every terrain.The LED high beam is also protected against polarity. Full polarity protection automatically breaks the circuit in the event of over voltage, which ensures an especially long lifespan.The integrated driver and thermal management system also contributes to the search light's longevity light by preventing overheating during continuous use.Flexible thanks to excellent compatibilityBecause the LEDriving Cube MX85-SP working lights can be installed on many 12 volt vehicles, it is suitable for a wide range of applications. Whether on off-road or construction vehicles, on agricultural or recreational vehicles – the LED working light is a flexible and powerful way to shine light into the darkness.Important: It should be noted that the LED working light is only permitted for off-road use and is therefore not suitable as direct front-end illumination on roads. In accordance with EMC/EMI, the working lights are ECE R10 certified


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Technical data

## Product information

| | |
|---|---|
| **Order reference** | LEDDL101 |
| **Application (Category and Product specific)** | Working light application |

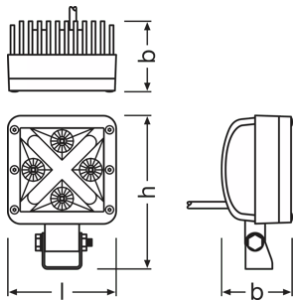
## Electrical data

| | |
|---|---|
| **Nominal voltage** | 12.0 V |
| **Nominal wattage** | 20 W |
| **Test voltage** | 13.5 V |

## Photometrical data

| | |
|---|---|
| **Luminous flux** | 1250 lm |
| **Color temperature** | 6000 K |
| **Light distance at 1lx** | 110 m |

## Dimensions & weight




| | |
|---|---|
| **Product weight** | 500.00 g |
| **Length** | 85.0 mm |
| **Width** | 57.0 mm |
| **Height** | 121.0 mm |

## Lifespan

| | |
|---|---|
| **Lifespan Tc** | 5000 h |
| **Guarantee** | 5 years |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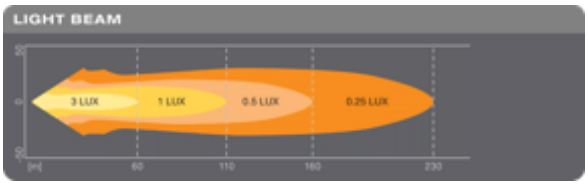
## Additional product data




Luminous intensity distribution

| | |
|---|---|
| **Connector to lamp** | Wire Kit |

### Capabilities

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

### Certificates & standards

| | |
|---|---|
| **Standards** | ECE R10 |
| **Approval marks – approval** | E6 approval |
| **Type of protection** | IP67 |

### Country specific categorizations

| | |
|---|---|
| **Order reference** | LEDDL101 |

### Logistical data

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

### Environmental information

| |
|---|
| **Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)** |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# Product datasheet

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|---|---|
| **Date of Declaration** | 21-06-2024 |
| **Primary Article Identifier** | 4052899526532 \| 4052899527317 \| 4052899595255 |
| **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** | 2bcd6905-cd46-4df8-ab51-050d437f70f0 \| 9cb932da-1afc-423b-8694-a7fba3967d64 \| 780eba8d-d95b-4d69-9170-0b8db30bd013 |

## Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---|---|---|---|---|---|
| 4052899595255 | Cube MX85-SP LEDDL101-SP | Folding carton box 1 | 133 mm x 118 mm x 103 mm | 1.62 $dm^3$ | 584.00 g |
| 4052899595262 | Cube MX85-SP LEDDL101-SP | Shipping carton box 8 | 282 mm x 252 mm x 242 mm | 17.20 $dm^3$ | 5073.00 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 LEDDL101-SPLEDDL101-WD |
| | User instruction<br>LEDriving |
| | Movie application<br>OSRAM Quality Testing LEDriving working and driving lights (EN) |
| | Movie application<br>OSRAM LEDdriving and working lights Imagefilm (EN) |
| | Movie application<br>LEDriving Driving and Working Lights Reference Video (EN) |
| | Movie application<br>Working and Driving Lights Amarok Winter |
| | Movie application<br>LEDriving driving & working lights in application (EN) |
| | Video<br>Light is Quality -OSRAM LEDriving Driving and Working Lights Quality Tests (EN) |
| | Video<br>OSRAM LEDriving driving and working lights: The night doesn’t stand a chance |


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| | |
|---|---|
| | Video<br>OSRAM LEDriving driving and working lights in action - From on road to off road applications (EN) |
| | 360 Degree Image<br>LEDriving CUBE MX85 |

**Legal advice**

Permitted only for off-road use and not suitable for use on public roads

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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