Product datasheet

# Round MX180-CB

**ECE certified - ECE R7/R112**

The necessary tests and approvals were carried out and an ECE type approval was granted[2)] ECE reference number: 25

**Combo Beam**

Designed for both: far-field and near-field illumination. For widespread illumination in the near field and spot illumination in the far field.

**Light beam up to 300 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.

## 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 Round MX180-CB. With its 12 powerful, high-performance long-life LEDs, the OSRAM LEDriving Round MX180-CB has a range of up to 300 meters 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 Round MX180-CB with up to 6000 Kelvin can provide conditions similar to daylight. The power package with up to 3000 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 Round MX180-CB 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 Round MX180-CB has been tested and validated with the IP-Protection Class IP69K in our DIN certified environmental simulation laboratory for extreme external influences regarding water, dust, impacts, heat,


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cold and permanent vibration. The integrated driver and the thermal management system regulate the temperature of the OSRAM LEDriving Round MX180-CB 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 Round MX180-CB 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 lights[2)].

ECE reference number: 25

The OSRAM LEDriving Round MX180-CB can be attached to cars, trucks, agricultural machinery, farm machinery, commercial vehicles, construction vehicles, caravans, off-road vehicles and quads[2)].

The OSRAM LEDriving Round MX180-CB 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.


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Technical data

## Product information

| | |
|---|---|
| **Application (Category and Product specific)** | Additional high beam and position light |

## General Product Information

| | |
|---|---|
| **Global order reference** | LEDDL111-CB |
| **Product remark** | Beam Pattern: Combo |

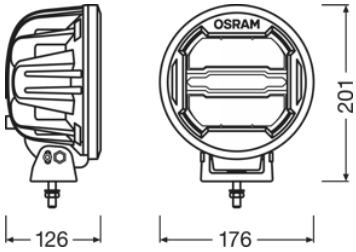
## Electrical Data

| | |
|---|---|
| **Nominal voltage** | 12/24 V |
| **Nominal wattage** | 39 W |
| **Test voltage** | 13.5 V |

## Photometric Data

| | |
|---|---|
| **Nominal luminous flux** | 3000 lm |
| **Color temperature** | 6000 K |
| **Light distance at 1lx** | 300 m |

## Physical Attributes & Dimensions




| | |
|---|---|
| **Product weight** | 2300.00 g |
| **Length** | 176.0 mm |
| **Width** | 126.0 mm |
| **Height** | 201 mm |

## LED module information

| | |
|---|---|
| **Number of LEDs per module** | 6/12 |

## Lifetime Data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| | |
|---|---|
| **Lifespan Tc** | 5000 hr |
| **Guarantee** | 5 years |

## Additional product data

| | |
|---|---|
| **Connector to lamp** | Open wire |
| **Product remark** | Beam Pattern: Combo |

## Capabilities

| | |
|---|---|
| **Technology** | LED [1)] |

[1)] Light-emitting diode application

## Certificates & standards

| | |
|---|---|
| **Approval marks – approval** | E4 approval |
| **Type of protection** | IP69K |
| **Standards** | ECE R10, R112, R7 |
| **ECE reference number** | 25 |

## Logistical data

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

## Environmental & Regulatory Information

| **Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)** | |
|---|---|
| **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** | 17368895-0f5a-42b9-bb64-0da6f503fd11 |

## Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---|---|---|---|---|---|
| 4062172153973 | Round MX180-CB | Folding carton box 1 | 307 mm x 239 mm x 142 mm | 10.42 $dm^3$ | 2688.00 g |
| 4062172153980 | Round MX180-CB | Shipping carton box 4 | 497 mm x 325 mm x 317 mm | 51.20 $dm^3$ | 11568.00 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.


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## Download Data

| | File |
|---|---|
| | User instruction<br>GPRS_Safety symbols instructions |
| | User instruction<br>LEDriving Round MX180-CB |
| | Movie application<br>LEDriving D and W Image Video Bringing light to life (EN) |
| | Movie application<br>Working and Driving Lights Amarok Winter |
| | Movie application<br>LEDriving Driving and Working Lights Reference Video (EN) |
| | Movie application<br>OSRAM LEDdriving and working lights Imagefilm (EN) |
| | Movie application<br>OSRAM Quality Testing LEDriving working and driving lights (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 |
| | Video<br>OSRAM LEDriving driving and working lights in action - From on road to off road applications (EN) |
| | Video<br>Reference Number made easy - Making sure your LEDriving Driving Lights are legal on public roads |
| | ref_pim_amsp_product360degreeimages<br>LEDriving Round MX180-CB LEDDL111-CB |

### Legal advice

Legal advice:

The installation of the OSRAM LEDriving Round MX180-CB 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


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