

# LEDiving Universal Headlights



## 4 function Universal Headlight

Maximum flexibility and a wide range of possible applications



## Brilliantly white light with up to 6500K

Exceptional illumination, performance, quality, shape, durability and functionality



## IP & IK protection classes

Tested and validated in a DIN-certified environmental simulation laboratory regarding extreme external influences such as water, dust, shocks, impacts, heat, cold, permanent vibrations and many more



## 2 years OSRAM guarantee<sup>1)</sup>

Powerful performance and exceptionally long service life



### Individual light for individual requirements

Experience maximum flexibility and a wide range of possible applications with the OSRAM LEDDriving Universal Headlights. The Bi-LED modules seamlessly integrate both low beam and high beam functionalities into a single headlamp module, providing you with the option for additional position light and daytime running light functions based on your requirements. They are available for left-hand drive (LEDUHL101/LEDUHL103) and right-hand drive (LEDUHL102/LEDUHL104). The four headlights in total offer superior illumination, performance, and quality. They are designed to deliver a brilliantly white light with exceptional clarity, ensuring enhanced visibility on the road. With their durable construction and sleek design, the headlights combine both style and functionality. The Universal Headlights are suitable for 12V and 24V vehicles and come in four different variants with a wide range of applications: the basic functions of low beam or high beam can be combined with other functions such as daytime running light and position light. Additionally, OSRAM has developed a specially designed mounting kit for easy, uncomplicated and flexible assembly. The LEDDriving Mounting Kit MK1 comes with a mounting plate, screws, clips and inserts and offers three mounting options: direct mount, mount with a mounting plate, and optional mount with a leveling motor. This allows for easy adaptation to different vehicle types. When it comes to external influences, the Universal Headlights are built to withstand extreme conditions. They are resistant to water, dust, shocks, vibrations, and a wide range of temperatures (validated according to the highest IP & IK protection classes IP6K7 & IP6K9K). Trust in quality and performance – OSRAM LEDDriving Universal Headlights are proudly made in Europe, meet the highest standards and have a 2-year OSRAM guarantee<sup>1</sup>).<sup>1</sup>For precise conditions refer to: [www.osram.com/am-guarantee](http://www.osram.com/am-guarantee)

Technical data

Product information

|                                             |                     |
|---------------------------------------------|---------------------|
| Order reference                             | LEDUHL101-LEDUHL102 |
| Application (Category and Product specific) | Headlights          |

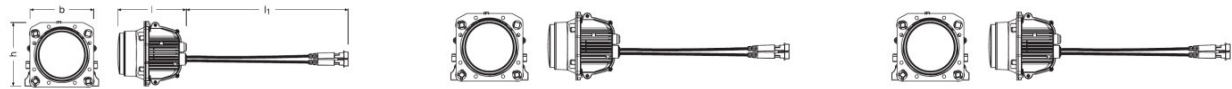
Electrical data

|                 |                   |
|-----------------|-------------------|
| Nominal voltage | 12/24 V           |
| Nominal wattage | 31.50 ... 33.50 W |

Photometrical data

|                   |             |
|-------------------|-------------|
| Luminous flux     | 780-1180 lm |
| Color temperature | 5400-6500 K |

Dimensions & weight



|                |           |
|----------------|-----------|
| Product weight | 1150.00 g |
| Length         | 142 mm    |
| Width          | 112 mm    |
| Height         | 152.0 mm  |

Temperatures & operating conditions

|                           |              |
|---------------------------|--------------|
| Ambient temperature range | -40...+85 °C |
|---------------------------|--------------|

Lifespan

|           |         |
|-----------|---------|
| Guarantee | 2 years |
|-----------|---------|

Certificates & standards

|                    |              |
|--------------------|--------------|
| Type of protection | IP6K9K/IP6K7 |
|--------------------|--------------|

Product datasheet

Country specific categorizations

|                 |                     |
|-----------------|---------------------|
| Order reference | LEDUHL101-LEDUHL102 |
|-----------------|---------------------|

Logistical data

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

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (RECh) |                               |
|----------------------------------------------------------------------|-------------------------------|
| Date of Declaration                                                  | 07-03-2024                    |
| Primary Article Identifier                                           | 4062172219358   4062172239011 |
| Declaration No. in SCIP database                                     | In work                       |

Logistical Data

| Product code  | Product description                      | Packaging unit<br>(Pieces/Unit) | Dimensions (length<br>x width x height) | Volume                | Gross weight |
|---------------|------------------------------------------|---------------------------------|-----------------------------------------|-----------------------|--------------|
| 4062172219358 | LEDriving Universal<br>Headlight 101-102 | Folding carton box<br>1         | 215 mm x 165 mm x<br>137 mm             | 4.86 dm <sup>3</sup>  | 5316.00 g    |
| 4062172219365 | LEDriving Universal<br>Headlight 101-102 | Shipping carton box<br>4        | 420 mm x 342 mm x<br>142 mm             | 20.40 dm <sup>3</sup> | 5795.00 g    |
| 4062172239011 | LEDriving Universal<br>Headlight 101-102 | Folding carton box<br>1         | 215 mm x 165 mm x<br>137 mm             | 4.86 dm <sup>3</sup>  | 1329.00 g    |
| 4062172239028 | LEDriving Universal<br>Headlight 101-102 | Shipping carton box<br>4        | 420 mm x 342 mm x<br>142 mm             | 20.40 dm <sup>3</sup> | 5795.00 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 UNIVERSAL HEADLIGHT, LEDriving UNIVERSAL HEADLIGHT |
|  | Movie application<br>LEDriving Universal Headlights LEDUHL Produkt Video DE      |
|  | Movie application<br>LEDriving Universal Headlights LEDUHL Product Video IT      |

**Safety advice**

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

## Product datasheet

### Legal advice

1) For precise conditions refer to: [www.osram.com/am-guarantee](http://www.osram.com/am-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.

# OSRAM