Product datasheet

LEDriving 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 guarantee1)

Powerful performance and exceptionally long service life

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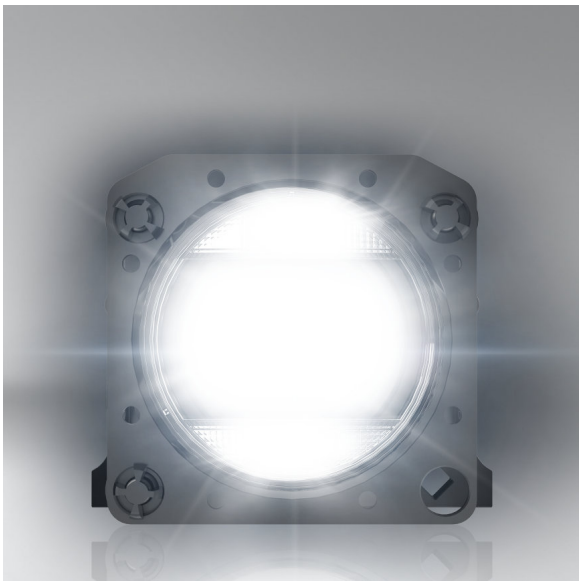

Individual light for individual requirements

Experience maximum flexibility and a wide range of possible applications with the OSRAM LEDriving 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 LEDriving 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 LEDriving Universal Headlights are proudly made in Europe, meet the highest standards and have a 2-year OSRAM guarantee1).1)For precise conditions refer to: www.osram.com/am-guarantee

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Technical data

Product information

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

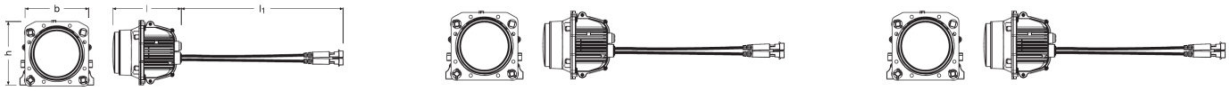
Electrical data

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

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Country specific categorizations

Order reference	LEDUHL101-LEDUHL102

Logistical data

Commodity code	85122000900

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
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 (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172219358	LEDriving Universal Headlight 101-102	Folding carton box 1	215 mm x 165 mm x 137 mm	4.86 dm^3	5316.00 g
4062172219365	LEDriving Universal Headlight 101-102	Shipping carton box 4	420 mm x 342 mm x 142 mm	20.40 dm^3	5795.00 g
4062172239011	LEDriving Universal Headlight 101-102	Folding carton box 1	215 mm x 165 mm x 137 mm	4.86 dm^3	1329.00 g
4062172239028	LEDriving Universal Headlight 101-102	Shipping carton box 4	420 mm x 342 mm x 142 mm	20.40 dm^3	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 LEDriving UNIVERSAL HEADLIGHT, LEDriving UNIVERSAL HEADLIGHT
	Movie application LEDriving Universal Headlights LEDUHL Produkt Video DE
	Movie application LEDriving Universal Headlights LEDUHL Product Video IT

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

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Legal advice
1)For precise conditions refer to: 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.

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