

# NIGHT BREAKER LED SMART HB4



**Street-Legal1)**

The NIGHT BREAKER LED family - OSRAM's first street-legal1) LED retrofit lamps.



**Up to 6 times longer lifetime2)**

See and be seen with OSRAM. Cool white color temperature similar to daylight. For more safety on the road, especially when driving at night and in adverse weather conditions.



**Wider Fog Beam3) & 6000K**

Vibration resistant, environmentally friendly, cost-efficient and validated according to the ingress protection class IP54.



**5 Year OSRAM Guarantee4)**

Systematic quality assurance measures underpin the premium workmanship and functionality of our products. Innovative technology and excellent quality really pay dividends for our customers.

## Product family datasheet



Exceptionally bright, innovatively compact, particularly durable and, of course, street-legal<sup>1</sup>). That's the new NIGHT BREAKER LED SMART fog lamps from OSRAM.

With the street-legal<sup>1</sup>) NIGHT BREAKER LED SMART fog lamps, it is possible to switch from traditional halogen lamps to advanced OSRAM LED technology for fog light applications. They can serve as the perfect complement to your already installed OSRAM street-legal<sup>1</sup>) LED or HID lamps. For an ideal combination or as a perfect addition to OSRAM NIGHT BREAKER LED lamps and, of course, as a comprehensive LED light upgrade. OSRAM's street-legal<sup>1</sup>) LED lamps set new standards in terms of innovation, precision, versatility and functionality. They lead the way in terms of brightness, lifetime, vehicle compatibility, design and much more. With the street-legal<sup>1</sup>) NIGHT BREAKER LED SMART fog lamps you can now upgrade the function of your fog lights of your vehicle to state-of-the-art LED technology. These LED replacement lamps are suitable as a replacement for conventional lamps and bases. They offer a modern and bright white light with a color temperature of up to 6000 Kelvin and impress with a wider fog beam in comparison to traditional halogen fog lamps. For cool white light wherever and whenever it might be needed. In comparison to standard lamps, such as halogen lamps, these LED retrofit lamps consume up to 80% less energy and convince thanks to the LED technology and the specially developed vibration-resistant design, with up to 6 times longer life time<sup>2</sup>). They have been tested in our DIN-certified environmental simulation laboratory for extreme external influences in terms of the ingress of water and dust and validated with IP protection class IP54. You can now replace your conventional vehicle lamps with OSRAM's revolutionary NIGHT BREAKER LED retrofit lamps and experience trend-setting brightness with road approval<sup>1</sup>) Additionally, OSRAM offers a dedicated guarantee on all NIGHT BREAKER LED retrofit lamps<sup>3</sup>).

# Product family datasheet

## Technical data

Product description	Product information			
	Product legal advice 1	Product legal advice 2	Product legal advice 3	Application (Category and Product specific)
NIGHT BREAKER SMART HB4 LED	1) Approved LED light source - only applies to the respective countries in which there is approval or to which an equivalent approval applies and the vehicle models and light functions currently listed in the compatibility list. For more details see <a href="http://www.osram.com/nb-led">www.osram.com/nb-led</a>	2) In comparison to traditional Halogen lamps	3) For precise conditions please refer to: <a href="http://www.osram.com/am-guarantee">www.osram.com/am-guarantee</a>	Fog lamp

Product description	General Product Information	Electrical Data			
	Global order reference	Nominal voltage	Nominal wattage	Power input tolerance	Power input
NIGHT BREAKER SMART HB4 LED	9006DWNBSM-2HB	12.0 V	10 W	rated	10 W

Product description	Photometric Data				Physical Attributes & Dimensions
	Light color LED	Luminous flux tolerance	Nominal luminous flux	Color temperature	Length
NIGHT BREAKER SMART HB4 LED	Cool white	±20 %	1095 lm	6000 K	72.0 mm

Product description	Product weight	Lifetime Data		Capabilities	Environmental & Regulatory Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
		Lifespan Tc	Lifespan B3	Technology	Primary article identifier
NIGHT BREAKER SMART HB4 LED	63.00 g	3000 hr	1500 hr	LED	4062172410236

## Product family datasheet

Product description	Declaration no. in SCIP database
NIGHT BREAKER SMART HB4 LED	In work

## Product family datasheet

### Safety advice

Application advice: For more detailed application information and graphics please see the product datasheet and user manual.

Translation advice: Actual Size - Plastic free packaging - Light comparison- Approval Document- Accessories - Application – Content - Technology Comparison- Benefits -

### Legal advice

1) Approved LED light source - only applies to the respective countries in which there is approval or to which an equivalent approval applies and the vehicle models and light functions currently listed in the compatibility list. For more details see [www.osram.com/nb-led](http://www.osram.com/nb-led)

2) In comparison to traditional Halogen lamps

3) For precise conditions please 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.

