

## NIGHT BREAKER LED SMART H9

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**Street-Legal<sup>1)</sup>**

The NIGHT BREAKER LED family - OSRAM's first street-legal<sup>1)</sup> LED retrofit lamps



**Extra Brightness<sup>2)</sup> & 6000K**

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



**Up to 6 times longer lifetime<sup>3)</sup>**

Vibration resistant, environmentally friendly, and cost-efficient



**5 Year OSRAM Guarantee<sup>4)</sup>**

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



#### NIGHT BREAKER LED SMART H9

With the street-legal<sup>1)</sup> NIGHT BREAKER LED SMART, its innovative compact design, sophisticated construction and exceptional brightness, it is now possible to switch from traditional halogen lamps to advanced OSRAM LED technology in even more vehicles.

Upgrade the function of your high- and low beam lights of your vehicle to state-of-the-art LED technology now. These LED replacement lamps are suitable as a replacement for conventional lamps and bases<sup>1)</sup>. They offer a modern and bright white light with a color temperature of up to 6000 Kelvin and impress with extra brightness<sup>2)</sup>, while the glare of other road users falls below the permissible maximum values by up to 50%<sup>2)</sup>. In comparison to standard lamps, such as halogen lamps, these LED retrofit lamps consume up to 60% 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>3)</sup>. 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 guarantee on all NIGHT BREAKER LED retrofit lamps<sup>2)</sup>.

## Product family datasheet

### Technical data

Product description	Product information			
	Application (Category and Product specific)	Product legal advice 1	Product legal advice 2	Product legal advice 3
NIGHT BREAKER SMART H9	High and low beam	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) Compared to the minimum requirements of ECE R112	3) In comparison to traditional Halogen lamps



Product description	Product legal advice 4	Electrical Data		Photometric Data	Lifetime Data	
		Power input	Nominal wattage	Light color LED	Lifespan Tc	Lifespan B3
NIGHT BREAKER SMART H9	4) For precise conditions please refer to: <a href="http://www.osram.com/am-guarantee">www.osram.com/am-guarantee</a>	21 W	21 W	Cool white	3000 hr	1500 hr

Product description	Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
	Primary article identifier	Declaration no. in SCIP database
NIGHT BREAKER SMART H9	4062172424851	In work

## Product family datasheet

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### Download Data

File	
	User instruction NIGHT BREAKER LED
	User instruction GPRS_Safety symbols instructions

#### Safety advice

Application advice:

For more detailed application information and graphics please see product data sheet and user manual

#### 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) Compared to the minimum requirements of ECE R112
- 3) In comparison to traditional Halogen lamps
- 4) 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.