

# NIGHT BREAKER LED SMART H7

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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



### Up to 330% more 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

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

Experience the next milestone from OSRAM and discover completely new terrain in the world of street-legal<sup>1)</sup> LED retrofit lamps with the NIGHT BREAKER LED SMART from OSRAM. The new highlight from OSRAM for automotive and vehicle enthusiasts and of course for everyone else. This new highlight from OSRAM raises vision & visibility, durability & compatibility, reliability & safety to the next level. 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, 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<sup>5)</sup>.

With the street-legal<sup>1)</sup> NIGHT BREAKER LED SMART you can now upgrade the function of your high- and low beam 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 up to 330% more 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 dedicated guarantee on all NIGHT BREAKER LED retrofit lamps<sup>2)</sup>.

Product family datasheet

Technical data

	Product information					
Product description	Product legal advice 1		Product legal advice 2	Product legal advice 3	Product legal advice 4	
NIGHT BREAKER SMART H7 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 the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 50%	3) In comparison to traditional Halogen lamps	4) For precise conditions please refer to: <a href="http://www.osram.com/am-guarantee">www.osram.com/am-guarantee</a>	
			General Product Information	Electrical Data		
Product description	Application (Category and Product specific)		Global order reference	Nominal voltage	Nominal wattage	
NIGHT BREAKER SMART H7 LED	High and low beam		64210DWNBSM-2HB	12 V	16 W	
			Photometric Data			
Product description	Power input tolerance	Test voltage	Power input	Luminous flux tolerance	Light color LED	Nominal luminous flux
NIGHT BREAKER SMART H7 LED	±10 %	13.2 V	16.0 W	±10 %	Cool white	1550 lm
			Physical Attributes & Dimensions			Lifetime Data
Product description	Color temperature		Length	Product weight		Lifespan Tc    Lifespan B3
NIGHT BREAKER SMART H7 LED	6000 K		71.0 mm	52.00 g		3000 hr    1500 hr
	Capabilities	Certificates & standards		Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)		
Product description	Technology	Standards		Primary article identifier	Candidate list substance 1	
NIGHT BREAKER SMART H7 LED	LED	ABG		4062172408332	Lead	

Product family datasheet

Product description	CAS No. of substance 1	Safe use instruction	Declaration no. in SCIP database
NIGHT BREAKER SMART H7 LED	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	aab2502f-7d7b-4eb2-90d9-bdd3ddefdb24

Download Data

File	
	User instruction GPRS_Safety symbols instructions

Safety advice

Application advice:For more detailed application information and graphics please see product datasheet 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, while the glare is below the maximum permissible values by up to 50%
- 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)
- 5) In comparison to the previous versions of NIGHT BREAKER LEDs

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.

