

# NIGHT BREAKER H4-LED

OSRAM's first NIGHT BREAKER H4 LED for motorcycles



### Street-Legal1)

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



### Up to 230% more brightness2) & 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 5 times longer lifetime3)

Vibration resistant, environmentally friendly, and cost-efficient



### 4 year OSRAM guarantee

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



With the NIGHT BREAKER H4 LED for Motorcycles, OSRAM's first street legal<sup>1)</sup> H4-LED replacement lamp for Motorcycles is now on the market

With the street-legal<sup>1)</sup> NIGHT BREAKER H4-LED you can now upgrade the function of your high- and low beam lights of your motorcycle to state-of-the-art LED technology. These LED replacement lamps are suitable as a replacement for conventional H4 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 230% 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 55% less energy and convince thanks to the LED technology and the specially developed vibration-resistant design, with up to 5 times longer life time<sup>3)</sup>. You can now replace your motorcycle 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 description	Product information			
	Product legal advice 1	Product legal advice 2	Product legal advice 3	Application (Category and Product specific)
NIGHT BREAKER H4 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) Compared to minimum ECE R112. On top with 50% less glare.	3) Compared to halogen lamps	High and low beam

Product description	General Product Information	Electrical Data			
	Global order reference	Nominal voltage	Nominal wattage	Power input tolerance	Test voltage
NIGHT BREAKER H4 LED	64193DWNB	12.0 V	27 W	±15 %	13.2 V



Product description	Power input	Photometric Data			Physical Attributes & Dimensions
		Light color LED	Nominal luminous flux	Color temperature	Diameter
NIGHT BREAKER H4 LED	27/23 W	Cool white	1650/1000 lm	6000 K	18.5 mm

Product description	Lamp base	Length	Product weight	Lifetime Data	
				Lifespan Tc	Lifespan B3
NIGHT BREAKER H4 LED	P43t	87.4 mm	80.00 g	2500 hr	1500 hr

Product description	Capabilities	Certificates & standards	Environmental & Regulatory Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
	Technology	Standards	Primary article identifier	Declaration no. in SCIP database
NIGHT BREAKER H4 LED	LED	ABG	4062172382632	In work

## Product family datasheet

### Download Data

File	
	Brochures LEDDriving Retrofits - Exchange overview (EN)
	ref_pim_amsproduct360degreeimages NIGHT BREAKER LED H4-LED 64193DWNB-2HFB

#### 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)

#### 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.

