

# NIGHT BREAKER H4-LED

OSRAM's first street-legal LED replacement lamp



**OSRAM's first H4 street-legal LED replacement lamp 1)**

See and be seen more clearly, for more safety on the road, especially at night



**Up to 230% more brightness 2)**

Cool White LED-Upgrade with color temperature close to daylight for specific car models



**Up to 5 times more lifetime 3)**

Environmentally friendly through longer durability and less garage shop visits and reduced energy

### First NIGHT BREAKER LED H4-LED

With NIGHT BREAKER H4-LED, OSRAM's first street legal<sup>1)</sup> LED replacement lamp is now on the market. The plug-and-play solution offers drivers significant advantages: very high cool white color temperature of 6,000 Kelvin with up to 230% more brightness compared to the minimum requirements of ECE R112, up to 5 times longer lifespan compared to halogen lamps and an additional 50% less glare.



# 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			
		Light color LED	Luminous flux tolerance	Nominal luminous flux	Color temperature
NIGHT BREAKER H4 LED	27/23 W	Cool white	±15 %	1650/1000 lm	6000 K

Product description	Physical Attributes & Dimensions			
	Diameter	Lamp base	Length	Product weight
NIGHT BREAKER H4 LED	18.5 mm	P43t	87.4 mm	80.00 g

Product description	Lifetime Data		Capabilities	Certificates & standards	Environmental & Regulatory Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
	Lifespan Tc	Lifespan B3	Technology	Standards	Primary article identifier
NIGHT BREAKER H4 LED	2500 hr	1500 hr	LED	ABG	4062172314206   4062172284691




## Product family datasheet

Product description	Candidate list substance 1	CAS No. of substance 1	Safe use instruction	Declaration no. in SCIP database
NIGHT BREAKER H4 LED	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	8e9ff543-2e16-4737-9ad4-29f7f4cbe8a3

## Product family datasheet

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### Download Data

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

#### Legal advice

1) Approved H4-LED headlamp. Only applies to the respective countries in which there is approval and the vehicle models and light functions currently listed in the compatibility list. For exact conditions see [www.osram.com/nb-led2](http://www.osram.com/nb-led2)) compared to minimum ECE R112. On top with 50% less glare.3) compared to halogen lamps

#### 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.

