Product datasheet

NIGHT BREAKER LED START H4

Street-Legal[1)]

The NIGHT BREAKER LED family - OSRAMs first street-legal[1)] LED retrofit lamps.

Up to 230% more brightness[2)] & 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 and in adverse weather conditions.

Up to 5 times longer lifetime[3)]

Vibration resistant, environmentally friendly, and cost-efficient

3 Year OSRAM Guarantee[4)]

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



Start into the world of street-legal[1)] LED replacement lamps with OSRAMs NIGHT BREAKER LED START.

With a revised basic design, basic features and basic benefits, the NIGHT BREAKER LED START focuses on the fundamental factors of street-legal[1)] LED replacement lamps. More and better vision and visibility[3)] and therefore more driving comfort, environmental friendliness and cost efficiency thanks to less replacement cycles and a more modern look.

Affordable products for entry into the street-legal[1)] LEDr world without having to compromise on the key advantages. With OSRAMs street-legal[1)] retrofit lamps, you can benefit from highly energy-efficient, bright and modern LED light. You can now upgrade the function of your high- and low beam lights of the 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 230% more brightness[2)], while the glare of other road users falls below the permissible maximum values by up to 50%[2)] 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 5 times longer life time[3)]. You can now replace your vehicle

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lamps with OSRAM´s revolutionary NIGHT BREAKER LED retrofit lamps and experience trend-setting brightness with road approval[1)] Additionally, OSRAM offers a dedicated guarantee on all NIGHT BREAKER LED retrofit lamps[4)]

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Technical data

Product information

Product legal advice 1	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
Product legal advice 2	2) Compared to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 60%
Product legal advice 3	3) In comparison to traditional Halogen lamps
Product legal advice 4	4) For precise conditions please refer to: www.osram.com/am-guarantee

General Product Information

Global order reference	64193DWNBST-2HB

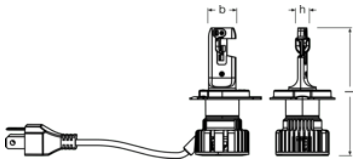
Electrical Data

Test voltage	13.2 V
Nominal voltage	12 V

Photometric Data

Color temperature	6000 K
Nominal luminous flux	1650/1000 lm
Light color LED	Cool white

Physical Attributes & Dimensions



Product weight	73.00 g
Length	87.4 mm

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Lifetime Data

Lifespan Tc	2500 hr
Lifespan B3	1500 hr

Capabilities

Technology	LED

Certificates & standards

ECE category	

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Primary article identifier	4062172411042
Candidate list substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe use instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration no. in SCIP database	fa88b296-a3fc-463e-bca0-15ad2efb7de9

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172411042	NIGHT BREAKER START H4 LED	Hanging Folding Box 2	136 mm x 56 mm x 162 mm	1.23 dm^3	244.00 g
4062172411059	NIGHT BREAKER START H4 LED	Shipping carton box 4	149 mm x 125 mm x 180 mm	3.35 dm^3	571.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Download Data

	File
	User instruction NIGHT BREAKER LED H4 64193DWNBST
	User instruction GPRS_Safety symbols instructions

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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-led2)Compared to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 60%3) In comparison to traditional Halogen lamps4) For precise conditions please refer to: www.osram.com/am-guaranteeApplication advice:

For more detailed application information and graphics please see product datasheet and user manual.

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.

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