Product datasheet

NIGHT BREAKER LED SPEED H4 450

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Street-Legal[1)]

The NIGHT BREAKER LED family - OSRAM's first street-legal[1)] LED retrofit lamps

Up to 450% more brightness[2)]

Significantly improved road illumination. Beam range of up to 240 m in low beam application. Improved vision and visibility, and hence safety

1:1 Design

Future-oriented design. 1:1 compatible and nearly identical with traditional halogen lamps for a quick and easy plug & play installation

Up to 6 times longer lifetime[3)]

Vibration resistant, environmentally friendly, and cost-efficient



OSRAM presents a revolutionary LED retrofit lamp innovation that combines street approval[1)], quick and easy installation, outstanding vision and visibility, a modern vehicle upgrade, safety and reliability and much more in one lamp.

For all those who want to see more. Innovative technology enables up to 450% more brightness[2)], contributing to significantly improved road illumination. With a light range of up to 240m in low beam application, the NIGHT BREAKER LED SPEED not only can improve the driver's vision and visibility but also can increase the safety of all other road users. The cool white light color of up to 6000K also gives the vehicle a contemporary, modern appearance. Halogen out – LED in. The plug-and-play solution ensures quick and easy installation and effortless conversion of the vehicle's

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high and low beam lamps to state-of-the-art LED technology, as the future-oriented design is 1:1 compatible and nearly identical with traditional halogen lamps. Technology that keeps glare under control. The entire NIGHT BRAKER LED range is also characterized by the fact that these lamps, even with this outstanding light performance, have a glare-free light beam. With OSRAM's glare-free lighting technology, the glare effect for oncoming traffic is reduced by up to 50%[2)] compared to the maximum values permitted by law. With a clear and sharp cut-off-line, it is the optimum choice for anyone who values safety and reliability on the road. Sustainable Illumination. Compared to traditional halogen lamps, the NIGHT BREAKER LED SPEED consumes up to 60% less energy, contributing to enhanced fuel efficiency. Its service life—up to six times longer—significantly reduces maintenance intervals and material consumption, resulting in lower waste generation. Supplied in plastic-free packaging, the product promotes resource conservation throughout its entire lifecycle. Engineered to endure. OSRAM products are innovative and technologically high-quality products that are carefully tested and subject to the strict monitoring undertaken by the OSRAM quality assurance system. Therefore, OSRAM offers a 5+1-year guarantee on all NIGHT BREAKER LED SPEED retrofit lamps[3)].

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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 50%
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
Application (Category and Product specific)	High and low beam

General Product Information

Global order reference	64193DWNBSP-2HB

Electrical Data

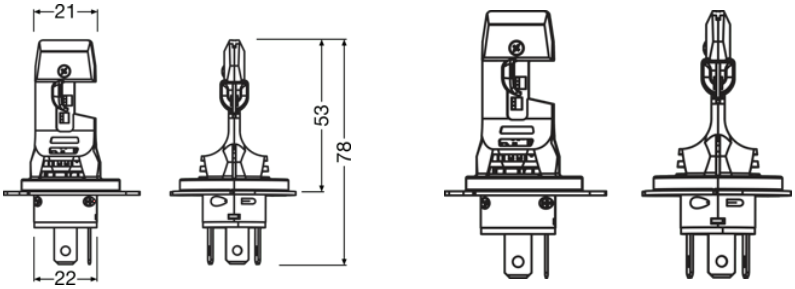
Power input	14 W
Test voltage	13.2 V
Power input tolerance	±20 %
Nominal wattage	14 W
Nominal voltage	12 V
System wattage	14 W

Photometric Data

Color temperature	6000 K
Nominal luminous flux	1000/1600 lm
Luminous flux tolerance	±15 %
Light color LED	Cool white

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Physical Attributes & Dimensions



Length	79.0 mm

Lifetime Data

Lifespan Tc	3000 hr
Lifespan B3	1500 hr

Capabilities

Technology	LED

Certificates & standards

Standards	ABG

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Primary article identifier	4062172422383
Candidate list substance 1	No declarable substances contained
Declaration no. in SCIP database	No declarable substances contained

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172422383	NIGHT BREAKER SPEED H4 450	Hanging Folding Box 2	100 mm x 51 mm x 120 mm	0.61 dm^3	110.00 g
4062172422390	NIGHT BREAKER SPEED H4 450	Shipping carton box 4	113 mm x 111 mm x 134 mm	1.68 dm^3	261.00 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.

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Product datasheet

Download Data

	File
	User instruction H4 NIGHT BREAKER LED SPEED
	User instruction GPRS_Safety symbols instructions

Safety advice

Application advice:

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

Translation advice:

Actual Size - Plastic free packaging - Light comparison- Approval Document- Accessories -Application – Content - Technology Comparison- Benefits – Vorteile

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

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

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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