Product datasheet

NIGHT BREAKER LED SMART H7

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Street-Legal[1)]

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

Up to 330% 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

Up to 6 times longer lifetime[3)]

Vibration resistant, environmentally friendly, and cost-efficient

5 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

Exceptionally bright, innovatively compact, widely applicable, broadly compatible, particularly durable and, of course, street-legal[1)] 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[1)] 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[1)] LED lamps set new standards in terms of innovation, precision, versatility and functionality.

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They lead the way in terms of brightness, lifetime, vehicle compatibility, design and much more.
With the street-legal[1)] 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[5)].
With the street-legal[1)] 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[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 6 times longer life time[3)]. 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[1)] Additionally, OSRAM offers a dedicated guarantee on all NIGHT BREAKER LED retrofit lamps[2)]

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Technical data

Product information

Application (Category and Product specific)	High and low beam
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) In comparison 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
Product legal advice 4	5) In comparison to the previous versions of NIGHT BREAKER LEDs

General Product Information

Global order reference	64210DWNBSM-2HB

Electrical Data

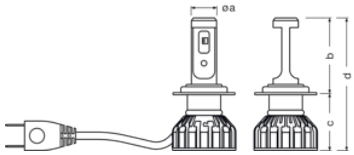
Power input	16.0 W
Test voltage	13.2 V
Power input tolerance	±10 %
Nominal wattage	16 W
Nominal voltage	12 V

Photometric Data

Color temperature	6000 K
Nominal luminous flux	1550 lm
Luminous flux tolerance	±10 %
Light color LED	Cool white

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Physical Attributes & Dimensions



Product weight	52.00 g
Length	71.0 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	4062172408332
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	aab2502f-7d7b-4eb2-90d9-bdd3ddefdb24

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172408332	NIGHT BREAKER SMART H7 LED	Hanging Folding Box 2	136 mm x 56 mm x 162 mm	1.23 dm^3	209.00 g

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4062172408349	NIGHT BREAKER SMART H7 LED	Shipping carton box 4	149 mm x 125 mm x 180 mm	3.35 dm^3	501.00 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 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

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

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.

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