Product datasheet

NIGHT BREAKER LASER HB3

Halogen light with excellent brightness

Up to 150% more brightness
More light allows to see farther and therefore react sooner compared to the minimum legal standard

Up to 150m long beam
For better visibility

Up to 20% whiter light
More modern look compared to the minimum legal standard

Strong halogen light for high demands

Thanks to innovative laser ablation technology, NIGHT BREAKER LASER halogen headlight lamps shine up to 150% brighter compared to the minimum legal standard. The highly engineered filament ensures an extra light boost. Consequently, the lamps provide an up to 150m long beam and up to 20% whiter light compared to the minimum legal standard. More light and improved visibility can help drivers identify and react to traffic hazards more quickly. Last but not least: OSRAM NIGHT BREAKER LASER impresses with its unique design (laser-engraved product name) and complete portfolio (H1, H3, H4, H7, H8, H11, HB3, HB4).

© 2026, OSRAM GmbH. All rights reserved.

Product datasheet

Technical data

Product information

Application (Category and Product specific)	Halogen headlight lamp

General Product Information

Global order reference	9005NL

Electrical Data

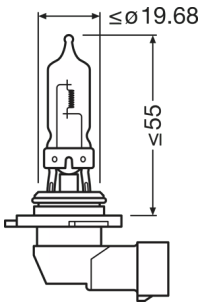
Power input	73 W [1)]
Nominal voltage	12 V
Nominal wattage	60 W
Test voltage	13.2 V

[1)] Maximum

Photometric Data

Nominal luminous flux	1700 lm
Luminous flux tolerance	±12 %
Color temperature	3200 K

Physical Attributes & Dimensions



Diameter	12.0 mm
Product weight	21.00 g
Length	80.3 mm
Lamp base	P20d

Lifetime Data

Lifespan B3	110 hr
Lifespan Tc	210 hr

© 2026, OSRAM GmbH. All rights reserved.

Capabilities

Technology	HAL

Certificates & standards

ECE category	HB3

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Primary article identifier	4052899992078 | 4062172388283 | 4062172114394 | 4052899992115 | 4052899999022 | 4052899577978 | 4052899998858
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
4052899992115	NIGHT BREAKER LASER HB3	Hard Cover Box 2	- x - x -	0.01 dm^3	134.00 g
4062172060554	NIGHT BREAKER LASER HB3	Shipping carton box 10	268 mm x 126 mm x 125 mm	4.22 dm^3	755.00 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
	Addon Technical Information Product Certificates HAL
	ref_pim_amsp_product360degreeimages NIGHT BREAKER LASER HB3

Legal advice

Light output compared to the minimum ECE R112/R37 requirementsH4/H7/H8/H11/HB3/HB4

Application advice

© 2026, OSRAM GmbH. All rights reserved.

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.

OSRAM

© 2026, OSRAM GmbH. All rights reserved.