Product family datasheet

NIGHT BREAKER LASER

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).

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Technical data

	Electrical Data				Photometric Data
Product description	**Power input**	**Nominal voltage**	**Nominal wattage**	**Test voltage**	**Nominal luminous flux**
NIGHT BREAKER LASER H1	68 W [1)]	12 V	55 W	13.2 V	1550 lm
NIGHT BREAKER LASER H3	68 W [1)]	12 V	55 W	13.2 V	1450 lm
NIGHT BREAKER LASER H4	75 / 68 W [1)]	12 V	60/55 W	13.2 V	1650/1000 lm
NIGHT BREAKER LASER H7	58 W [1)]	12 V	55 W	13.2 V	1500 lm
NIGHT BREAKER LASER H8	43 W [1)]	12 V	35 W	13.2 V	800 lm
NIGHT BREAKER LASER H11	62 W [1)]	12 V	55 W	13.2 V	1350 lm
NIGHT BREAKER LASER HB3	73 W [1)]	12 V	60 W	13.2 V	1700 lm
NIGHT BREAKER LASER HB4	62 W [1)]	12 V	51 W	13.2 V	1000 lm

		Physical Attributes & Dimensions	Lifetime Data		Certificates & standards	Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)
Product description	**Luminous flux tolerance**	**Diameter**	**Lifespan B3**	**Lifespan Tc**	**ECE category**	**Primary article identifier**
NIGHT BREAKER LASER H1	±15 %	8.5 mm	150 hr	300 hr	H1	4052899991309 | 4062172114936 | 4062172388108 | 4052899998995 | 4052899990944 | 4052899991538 | 4062172114899 | 4052899991453 | 4062172256940 | 4062172395489 | 4058075141513
NIGHT BREAKER LASER H3	±15 %	11.0 mm	150 hr	300 hr	H3	4052899991637 | 4052899999008 | 4052899991330 | 4058075141551 | 4062172114912 | 4062172388160 | 4062172257039

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		Physical Attributes & Dimensions	Lifetime Data		Certificates & standards	Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)
Product description	**Luminous flux tolerance**	**Diameter**	**Lifespan B3**	**Lifespan Tc**	**ECE category**	**Primary article identifier**
NIGHT BREAKER LASER H4	±12 / ±15 %	13.0 mm	80 / 200 hr [2)]	160 / 400 hr [2)]	H4	4062172114318 | 4052899991064 | 4052899991361 | 4052899593671 | 4062172114431 | 4062172395700 | 4062172419987 | 4052899991736 | 4052899578890 | 4052899991675 | 4052899991101 | 4052899991651 | 4052899998957 | 4062172387477
NIGHT BREAKER LASER H7	±10 %	12.0 mm	150 hr	250 hr	H7	4052899991392 | 4052899991835 | 4052899998971 | 4062172387590 | 4052899579163 | 4062172114332 | 4052899991149 | 4062172395168 | 4062172420006 | 4052899593657 | 4062172114455
NIGHT BREAKER LASER H8	±15 %	12.0 mm	250 hr	400 hr	H8	4052899991958 | 4052899579200 | 4052899998919 | 4062172114370 | 4052899998827 | 4062172387774
NIGHT BREAKER LASER H11	±10 %	12.0 mm	150 hr	250 hr	H11	4062172395243 | 4062172131384 | 4052899991286 | 4052899991262 | 4052899999015 | 4062172114479 | 4062172114356 | 4052899991859 | 4052899579125 | 4052899991934 | 4062172387712 | 4052899991224 | 4052899991422 | 4052899991873

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Product family datasheet

		Physical Attributes & Dimensions	Lifetime Data		Certificates & standards	Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)
Product description	**Luminous flux tolerance**	**Diameter**	**Lifespan B3**	**Lifespan Tc**	**ECE category**	**Primary article identifier**
NIGHT BREAKER LASER HB3	±12 %	12.0 mm	110 hr	210 hr	HB3	4052899992078 | 4062172388283 | 4062172114394 | 4052899992115 | 4052899999022 | 4052899577978 | 4052899998858
NIGHT BREAKER LASER HB4	±15 %	12.0 mm	270 hr	500 hr	HB4	4052899577992 | 4062172114417 | 4052899999039 | 4052899992177 | 4062172258074 | 4052899992214 | 4062172388320 | 4052899992191 | 4052899998889

Product description	**Candidate list substance 1**	**Declaration no. in SCIP database**	**CAS No. of substance 1**
NIGHT BREAKER LASER H1	No declarable substances contained	No declarable substances contained	
NIGHT BREAKER LASER H3	No declarable substances contained	In work	66299
NIGHT BREAKER LASER H4	No declarable substances contained	No declarable substances contained	
NIGHT BREAKER LASER H7	No declarable substances contained	No declarable substances contained	
NIGHT BREAKER LASER H8	No declarable substances contained	No declarable substances contained	
NIGHT BREAKER LASER H11	No declarable substances contained	No declarable substances contained	
NIGHT BREAKER LASER HB3	No declarable substances contained	No declarable substances contained	
NIGHT BREAKER LASER HB4	No declarable substances contained	No declarable substances contained	

1) Maximum

2) Filament 1

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Download Data

	File
	User instruction GPRS_Safety symbols instructions
	Addon Technical Information Product Certificates HAL
	ref_pim_amsp_product360degreeimages NIGHT BREAKER LASER next gen H1 64150NL
	ref_pim_amsp_product360degreeimages NIGHT BREAKER LASER next gen H3 64151NL
	Movie application Night Breaker Laser H4 for VW T5: Installation Video (EN)
	ref_pim_amsp_product360degreeimages NIGHT BREAKER LASER next gen H4 64193NL
	Movie application Night Breaker Laser H7 for BMW 1: Installation Video (EN)
	Movie application Night Breaker Laser H7 for VW Passat: Installation Video (EN)
	ref_pim_amsp_product360degreeimages NIGHT BREAKER LASER next gen H7 64210NL
	ref_pim_amsp_product360degreeimages NIGHT BREAKER LASER next gen H8 64212NL
	ref_pim_amsp_product360degreeimages NIGHT BREAKER LASER H11
	ref_pim_amsp_product360degreeimages NIGHT BREAKER LASER HB3
	ref_pim_amsp_product360degreeimages NIGHT BREAKER LASER HB4

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

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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