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 150 m 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

	Product information		Electrical data				Photometrical data
Product description	**Order reference**	**Application (Category and Product specific)**	**Power input**	**Nominal voltage**	**Nominal wattage**	**Test voltage**	**Luminous flux**
NIGHT BREAKER LASER H1	64150NL	Halogen headlight lamp	68 W [1)]	12.0 V	55.00 W	13.2 V	1550 lm
NIGHT BREAKER LASER H3	64151NL	Halogen headlight lamp	68 W [1)]	12.0 V	55.00 W	13.2 V	1450 lm
NIGHT BREAKER LASER H4	64193NL	Halogen headlight lamp	75 / 68 W [1)]	12.0 V	60/55 W	13.2 V	1650/1000 lm
NIGHT BREAKER LASER H7	64210NL	Halogen headlight lamp	58 W [1)]	12.0 V	55.00 W	13.2 V	1500 lm
NIGHT BREAKER LASER H8	64212NL	Halogen headlight lamp	43 W [1)]	12.0 V	35.00 W	13.2 V	800 lm
NIGHT BREAKER LASER H11	64211NL	Halogen headlight lamp	62 W [1)]	12.0 V	55.00 W	13.2 V	1350 lm
NIGHT BREAKER LASER HB3	9005NL	Halogen headlight lamp	73 W [1)]	12.0 V	60.00 W	13.2 V	1700 lm
NIGHT BREAKER LASER HB4	9006NL	Halogen headlight lamp	62 W [1)]	12.0 V	51.00 W	13.2 V	1000 lm

		Dimensions & weight	Lifespan		Capabilities	Certificates & standards
Product description	**Luminous flux tolerance**	**Diameter**	**Lifespan B3**	**Lifespan Tc**	**Technology**	**ECE category**
NIGHT BREAKER LASER H1	±15 %	9 mm	150 h	300 h	HAL	H1
NIGHT BREAKER LASER H3	±15 %	12.0 mm	150 h	300 h	HAL	H3
NIGHT BREAKER LASER H4	±12 / ±15 %	13.0 mm	80 / 200 h [2)]	160 / 400 h [2)]	HAL [3)]	H4
NIGHT BREAKER LASER H7	±10 %	12.0 mm	150 h	250 h	HAL [3)]	H7
NIGHT BREAKER LASER H8	±15 %	12.0 mm	250 h	400 h	HAL	H8
NIGHT BREAKER LASER H11	±10 %	12.0 mm	150 h	250 h	HAL	H11
NIGHT BREAKER LASER HB3	±12 %	12.0 mm	110 h	210 h	HAL	HB3
NIGHT BREAKER LASER HB4	±15 %	12.0 mm	270 h	500 h	HAL	HB4

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Product family datasheet

	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)			
Product description	**Date of Declaration**	**Primary Article Identifier**	**Candidate List Substance 1**	**Declaration No. in SCIP database**
NIGHT BREAKER LASER H1	20-02-2024	4052899991538 | 4052899990944 | 4052899991453 | 4058075141513 | 4052899991309 | 4052899998995 | 4062172114936 | 4062172114899 | 4062172159289 | 4062172159241 | 4062172256940 | 4052899991514 | 4052899990906 | 4062172388108 | 4062172395489	No declarable substances contained	In work
NIGHT BREAKER LASER H3	08-03-2024	4052899991637 | 4052899991576 | 4052899991552 | 4052899991330 | 4058075141551 | 4052899999008 | 4062172114912 | 4062172159265 | 4062172257039 | 4052899991613 | 4052899991590 | 4052899991002 | 4052899990982 | 4062172388160	No declarable substances contained	In work
NIGHT BREAKER LASER H4	08-03-2024	4052899991736 | 4052899991101 | 4052899991675 | 4052899991651 | 4052899991064 | 4052899578890 | 4052899991361 | 4052899998957 | 4052899593671 | 4062172114431 | 4062172114318 | 4052899991712 | 4062172387477 | 4062172395700 | 4052899991125	No declarable substances contained	In work

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Product family datasheet

	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)			
Product description	**Date of Declaration**	**Primary Article Identifier**	**Candidate List Substance 1**	**Declaration No. in SCIP database**
NIGHT BREAKER LASER H7	06-03-2024	4052899991774 | 4052899991149 | 4052899579163 | 4052899991392 | 4052899991835 | 4052899998971 | 4052899593657 | 4062172114455 | 4062172114332 | 4052899991163 | 4052899991200 | 4052899991811 | 4062172387248 | 4062172387590 | 4062172395168	No declarable substances contained	In work
NIGHT BREAKER LASER H8	06-03-2024	4052899991958 | 4052899579200 | 4052899998827 | 4052899998919 | 4062172114370 | 4052899992016 | 4062172387774	No declarable substances contained	In work
NIGHT BREAKER LASER H11	06-03-2024	4052899991873 | 4052899991224 | 4052899579125 | 4052899991422 | 4052899991934 | 4052899991286 | 4052899991262 | 4052899999015 | 4062172114479 | 4062172114356 | 4062172131384 | 4052899991859 | 4052899991910 | 4062172387712 | 4052899991897 | 4062172395243	No declarable substances contained	In work
NIGHT BREAKER LASER HB3	06-03-2024	4052899999022 | 4052899992115 | 4052899992078 | 4052899992054 | 4052899992030 | 4052899998858 | 4052899577978 | 4062172114394 | 4052899992092 | 4062172388283	No declarable substances contained	In work

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Product family datasheet

	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)			
Product description	**Date of Declaration**	**Primary Article Identifier**	**Candidate List Substance 1**	**Declaration No. in SCIP database**
NIGHT BREAKER LASER HB4	06-03-2024	4052899999039 | 4052899992214 | 4052899992191 | 4052899992177 | 4052899992153 | 4052899998889 | 4052899577992 | 4062172114417 | 4062172258074 | 4052899992139 | 4062172388320	No declarable substances contained	In work

1) Maximum

2) Filament 1

3) Halogen lamp

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Download Data

	File
	360 Degree Image NIGHT BREAKER LASER next gen H1 64150NL
	360 Degree Image NIGHT BREAKER LASER next gen H3 64151NL
	360 Degree Image NIGHT BREAKER LASER next gen H4 64193NL
	360 Degree Image NIGHT BREAKER LASER next gen H7 64210NL
	360 Degree Image NIGHT BREAKER LASER next gen H8 64212NL
	360 Degree Image NIGHT BREAKER LASER H11
	360 Degree Image NIGHT BREAKER LASER HB3
	360 Degree Image NIGHT BREAKER LASER HB4

Legal advice

Light output compared to the minimum ECE R112/R37 requirements

H4/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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