

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).

## Product family datasheet

### Technical data

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

Product description	Luminous flux tolerance	Physical Attributes & Dimensions	Lifetime Data		Certificates & standards	Environmental & Regulatory Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
		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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NIGHT BREAKER LASER H4	±12 / ±15 %	13.0 mm	80 / 200 hr <sup>2)</sup>	160 / 400 hr <sup>2)</sup>	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 description	Luminous flux tolerance	Physical Attributes & Dimensions	Lifetime Data		Certificates & standards	Environmental & Regulatory Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
		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
NIGHT BREAKER LASER H1	No declarable substances contained	No declarable substances contained
NIGHT BREAKER LASER H3	No declarable substances contained	No declarable substances contained
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

## Product family datasheet

### Download Data

File	
	User instruction GPRS_Safety symbols instructions
	Addon Technical Information Product Certificates HAL
	ref_pim_amsproduct360degreeimages NIGHT BREAKER LASER next gen H1 64150NL
	ref_pim_amsproduct360degreeimages NIGHT BREAKER LASER next gen H3 64151NL
	Movie application Night Breaker Laser H4 for VW T5: Installation Video (EN)
	ref_pim_amsproduct360degreeimages 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_amsproduct360degreeimages NIGHT BREAKER LASER next gen H7 64210NL
	ref_pim_amsproduct360degreeimages NIGHT BREAKER LASER next gen H8 64212NL
	ref_pim_amsproduct360degreeimages NIGHT BREAKER LASER H11
	ref_pim_amsproduct360degreeimages NIGHT BREAKER LASER HB3
	ref_pim_amsproduct360degreeimages 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.

