

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	Product information	General Product Information	Electrical Data		
	Application (Category and Product specific)	Global order reference	Power input	Nominal voltage	Nominal wattage
NIGHT BREAKER LASER H1	Halogen headlight lamp	64150NL	68 W ¹⁾	12.0 V	55 W
NIGHT BREAKER LASER H3	Halogen headlight lamp	64151NL	68 W ¹⁾	12.0 V	55 W
NIGHT BREAKER LASER H4	Halogen headlight lamp	64193NL	75 / 68 W ¹⁾	12.0 V	60/55 W
NIGHT BREAKER LASER H7	Halogen headlight lamp	64210NL	58 W ¹⁾	12.0 V	55 W
NIGHT BREAKER LASER H8	Halogen headlight lamp	64212NL	43 W ¹⁾	12.0 V	35 W
NIGHT BREAKER LASER H11	Halogen headlight lamp	64211NL	62 W ¹⁾	12.0 V	55 W
NIGHT BREAKER LASER HB3	Halogen headlight lamp	9005NL	73 W ¹⁾	12.0 V	60 W
NIGHT BREAKER LASER HB4	Halogen headlight lamp	9006NL	62 W ¹⁾	12.0 V	51 W

Product description	Test voltage	Photometric Data		Physical Attributes & Dimensions	Lifetime Data
		Nominal luminous flux	Luminous flux tolerance	Diameter	Lifespan B3
NIGHT BREAKER LASER H1	13.2 V	1550 lm	±15 %	8.5 mm	150 hr
NIGHT BREAKER LASER H3	13.2 V	1450 lm	±15 %	11.0 mm	150 hr
NIGHT BREAKER LASER H4	13.2 V	1650/1000 lm	±12 / ±15 %	13.0 mm	80 / 200 hr ²⁾
NIGHT BREAKER LASER H7	13.2 V	1500 lm	±10 %	12.0 mm	150 hr
NIGHT BREAKER LASER H8	13.2 V	800 lm	±15 %	12.0 mm	250 hr
NIGHT BREAKER LASER H11	13.2 V	1350 lm	±10 %	12.0 mm	150 hr
NIGHT BREAKER LASER HB3	13.2 V	1700 lm	±12 %	12.0 mm	110 hr
NIGHT BREAKER LASER HB4	13.2 V	1000 lm	±15 %	12.0 mm	270 hr

Product family datasheet

Product description	Lifespan Tc	Capabilities	Certificates & standards	Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
		Technology	ECE category	Date of declaration	Primary article identifier
NIGHT BREAKER LASER H1	300 hr	HAL	H1	22-09-2024	4052899991309 4062172114936 4062172388108 4052899998995 4052899990944 4052899991538 4062172114899 4052899991453 4062172256940 4062172395489 4058075141513
NIGHT BREAKER LASER H3	300 hr	HAL	H3	22-09-2024	4052899991637 4052899999008 4052899991330 4058075141551 4062172114912 4062172388160 4062172257039
NIGHT BREAKER LASER H4	160 / 400 hr ²⁾	HAL ³⁾	H4	22-09-2024	4062172114318 4052899991064 4052899991361 4052899593671 4062172114431 4062172395700 4052899991736 4052899578890 4052899991675 4052899991101 4052899991651 4052899998957 4062172387477
NIGHT BREAKER LASER H7	250 hr	HAL ³⁾	H7	22-09-2024	4052899991392 4052899991835 4052899998971 4062172387590 4052899579163 4062172114332 4052899991149 4062172395168 4052899593657 4062172114455
NIGHT BREAKER LASER H8	400 hr	HAL	H8	22-09-2024	4052899991958 4052899579200 4052899998919 4062172114370 4052899998827 4062172387774

Product family datasheet

Product description	Lifespan Tc	Capabilities	Certificates & standards	Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
		Technology	ECE category	Date of declaration	Primary article identifier
NIGHT BREAKER LASER H11	250 hr	HAL	H11	22-09-2024	4062172395243 4062172131384 4052899991286 4052899991262 4052899999015 4062172114479 4062172114356 4052899991859 4052899579125 4052899991934 4062172387712 4052899991224 4052899991422 4052899991873
NIGHT BREAKER LASER HB3	210 hr	HAL	HB3	22-09-2024	4052899992078 4062172388283 4062172114394 4052899992115 4052899999022 4052899577978 4052899998858
NIGHT BREAKER LASER HB4	500 hr	HAL	HB4	22-09-2024	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	In work
NIGHT BREAKER LASER H3	No declarable substances contained	In work
NIGHT BREAKER LASER H4	No declarable substances contained	In work
NIGHT BREAKER LASER H7	No declarable substances contained	In work
NIGHT BREAKER LASER H8	No declarable substances contained	In work
NIGHT BREAKER LASER H11	No declarable substances contained	In work
NIGHT BREAKER LASER HB3	No declarable substances contained	In work
NIGHT BREAKER LASER HB4	No declarable substances contained	In work

Product family datasheet

- 1) Maximum
- 2) Filament 1
- 3) Halogen lamp

Product family datasheet

Download Data

File	
	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 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.

