

# 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 <sup>1)</sup>	12.0 V	55 W
NIGHT BREAKER LASER H3	Halogen headlight lamp	64151NL	68 W <sup>1)</sup>	12.0 V	55 W
NIGHT BREAKER LASER H4	Halogen headlight lamp	64193NL	75 / 68 W <sup>1)</sup>	13.2 V	
NIGHT BREAKER LASER H7	Halogen headlight lamp	64210NL	58 W <sup>1)</sup>	12.0 V	55 W
NIGHT BREAKER LASER H8	Halogen headlight lamp	64212NL	43 W <sup>1)</sup>	12.0 V	35 W
NIGHT BREAKER LASER H11	Halogen headlight lamp	64211NL	62 W <sup>1)</sup>	12.0 V	55 W
NIGHT BREAKER LASER HB3	Halogen headlight lamp	9005NL	73 W <sup>1)</sup>	12.0 V	60 W
NIGHT BREAKER LASER HB4	Halogen headlight lamp	9006NL	62 W <sup>1)</sup>	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 <sup>2)</sup>
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	09-07-2024	4052899991309   4062172114936   4062172388108   4052899998995   4052899990944   4052899991538   4062172114899   4052899991453   4062172256940   4062172395489   4058075141513
NIGHT BREAKER LASER H3	300 hr	HAL	H3	09-07-2024	4052899991637   4052899999008   4052899991330   4058075141551   4062172114912   4062172388160   4062172257039
NIGHT BREAKER LASER H4	160 / 400 hr <sup>2)</sup>	HAL <sup>3)</sup>	H4	09-07-2024	4062172114318   4052899991064   4052899991361   4052899593671   4062172114431   4062172395700   4052899991736   4052899578890   4052899991675   4052899991101   4052899991651   4052899998957   4062172387477
NIGHT BREAKER LASER H7	250 hr	HAL <sup>3)</sup>	H7	09-07-2024	4052899991392   4052899991835   4052899998971   4062172387590   4052899579163   4062172114332   4052899991149   4062172395168   4052899593657   4062172114455
NIGHT BREAKER LASER H8	400 hr	HAL	H8	09-07-2024	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	09-07-2024	4062172395243   4062172131384   4052899991286   4052899991262   4052899999015   4062172114479   4062172114356   4052899991859   4052899579125   4052899991934   4062172387712   4052899991224   4052899991422   4052899991873
NIGHT BREAKER LASER HB3	210 hr	HAL	HB3	09-07-2024	4052899992078   4062172388283   4062172114394   4052899992115   4052899999022   4052899577978   4052899998858
NIGHT BREAKER LASER HB4	500 hr	HAL	HB4	09-07-2024	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.

