

## 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  <br>4062172114936  <br>4062172388108  <br>4052899998995  <br>4052899990944  <br>4052899991538  <br>4062172114899  <br>4052899991453  <br>4062172256940  <br>4062172395489  <br>4058075141513 |
| NIGHT BREAKER LASER H3 | ±15 %                   | 11.0 mm                          | 150 hr        | 300 hr      | H3                       | 4052899991637  <br>4052899999008  <br>4052899991330  <br>4058075141551  <br>4062172114912  <br>4062172388160  <br>4062172257039   |

## Product family datasheet

| 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 H4  | ±12 / ±15 %             | 13.0 mm                          | 80 / 200 hr <sup>2)</sup> | 160 / 400 hr <sup>2)</sup> | H4                       | 4062172114318  <br>4052899991064  <br>4052899991361  <br>4052899593671  <br>4062172114431  <br>4062172395700  <br>4062172419987  <br>4052899991736  <br>4052899578890  <br>4052899991675  <br>4052899991101  <br>4052899991651  <br>4052899998957  <br>4062172387477 |
| NIGHT BREAKER LASER H7  | ±10 %                   | 12.0 mm                          | 150 hr                    | 250 hr                     | H7                       | 4052899991392  <br>4052899991835  <br>4052899998971  <br>4062172387590  <br>4052899579163  <br>4062172114332  <br>4052899991149  <br>4062172395168  <br>4062172420006  <br>4052899593657  <br>4062172114455  |
| NIGHT BREAKER LASER H8  | ±15 %                   | 12.0 mm                          | 250 hr                    | 400 hr                     | H8                       | 4052899991958  <br>4052899579200  <br>4052899998919  <br>4062172114370  <br>4052899998827  <br>4062172387774   |
| NIGHT BREAKER LASER H11 | ±10 %                   | 12.0 mm                          | 150 hr                    | 250 hr                     | H11                      | 4062172395243  <br>4062172131384  <br>4052899991286  <br>4052899991262  <br>4052899999015  <br>4062172114479  <br>4062172114356  <br>4052899991859  <br>4052899579125  <br>4052899991934  <br>4062172387712  <br>4052899991224  <br>4052899991422  <br>4052899991873 |

## Product family datasheet

| 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<br>GPRS_Safety symbols instructions                               |
|    | Addon Technical Information<br>Product Certificates HAL                            |
|    | ref_pim_amsproduct360degreeimages<br>NIGHT BREAKER LASER next gen H1 64150NL       |
|    | ref_pim_amsproduct360degreeimages<br>NIGHT BREAKER LASER next gen H3 64151NL       |
|    | Movie application<br>Night Breaker Laser H4 for VW T5: Installation Video (EN)     |
|    | ref_pim_amsproduct360degreeimages<br>NIGHT BREAKER LASER next gen H4 64193NL       |
|    | Movie application<br>Night Breaker Laser H7 for BMW 1: Installation Video (EN)     |
|    | Movie application<br>Night Breaker Laser H7 for VW Passat: Installation Video (EN) |
|   | ref_pim_amsproduct360degreeimages<br>NIGHT BREAKER LASER next gen H7 64210NL       |
|  | ref_pim_amsproduct360degreeimages<br>NIGHT BREAKER LASER next gen H8 64212NL       |
|  | ref_pim_amsproduct360degreeimages<br>NIGHT BREAKER LASER H11                       |
|  | ref_pim_amsproduct360degreeimages<br>NIGHT BREAKER LASER HB3                       |
|  | ref_pim_amsproduct360degreeimages<br>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.

