

# NIGHT BREAKER H1-LED

OSRAM's first NIGHT BREAKER H1 LED



**Street-Legal<sup>1)</sup>**

The NIGHT BREAKER LED family - OSRAM's first street-legal<sup>1)</sup> LED retrofit lamps.



**6000K & Cool White**

See and be seen with OSRAM. Cool white color temperature similar to daylight. For more safety on the road, especially when driving at night



**Up to 5 times longer lifetime<sup>3)</sup>**

Vibration resistant, environmentally friendly, and cost-efficient



**4 year OSRAM guarantee**

Systematic quality assurance measures underpin the premium workmanship and functionality of our products. Innovative technology and excellent quality really pay dividends for our customers.



With the NIGHT BREAKER H1 LED OSRAM's first street legal<sup>1)</sup> H1-LED replacement lamp is now on the market

With the street-legal<sup>1)</sup> NIGHT BREAKER H1-LED you can now upgrade the function of your high- and low beam lights of your vehicle to state-of-the-art LED technology. These LED replacement lamps are suitable as a replacement for conventional H1 lamps and bases. They offer a modern and bright white light with a color temperature of up to 6000 Kelvin and impress with reduced glare for other road users that is up to 40% lower as the permissible maximum values<sup>2)</sup>. In comparison to standard lamps, such as halogen lamps, these LED retrofit lamps consume up to 55% less energy and convince thanks to the LED technology and the specially developed vibration-resistant design, with up to 5 times longer life time<sup>3)</sup>. You can now replace your vehicle lamps with OSRAM's revolutionary NIGHT BREAKER LED retrofit lamps and experience trend-setting brightness with road approval<sup>1)</sup> Additionally, OSRAM offers a dedicated guarantee on all NIGHT BREAKER LED retrofit lamps<sup>2)</sup>

Technical data

Product information

|                                             |                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application (Category and Product specific) | High and low beam                                                                                                                                                                                                                                                                                                        |
| Product legal advice 1                      | 1) Approved LED light source - only applies to the respective countries in which there is approval or to which an equivalent approval applies and the vehicle models and light functions currently listed in the compatibility list. For more details see <a href="http://www.osram.com/nb-led">www.osram.com/nb-led</a> |
| Product legal advice 2                      | 2) In comparison to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 40%                                                                                                                                                                                           |
| Product legal advice 3                      | 3) Compared to halogen lamps                                                                                                                                                                                                                                                                                             |

General Product Information

|                        |           |
|------------------------|-----------|
| Global order reference | 64150DWNB |
|------------------------|-----------|

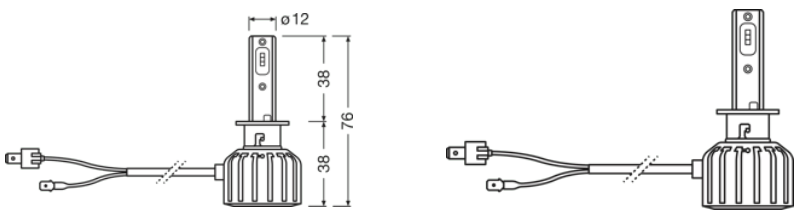
Electrical Data

|                       |        |
|-----------------------|--------|
| Power input           | 16.0 W |
| Power input tolerance | ±15 %  |
| Nominal wattage       | 16 W   |
| Nominal voltage       | 12 V   |

Photometric Data

|                         |            |
|-------------------------|------------|
| Color temperature       | 6000 K     |
| Nominal luminous flux   | 1550 lm    |
| Luminous flux tolerance | ±15 %      |
| Light color LED         | Cool white |

Physical Attributes & Dimensions



Product datasheet

|                |         |
|----------------|---------|
| Diameter       | 11.8 mm |
| Product weight | 50.00 g |
| Length         | 76.2 mm |
| Lamp base      | P14.5s  |
| Diameter       | 11.8 mm |

Lifetime Data

|             |         |
|-------------|---------|
| Lifespan Tc | 2500 hr |
| Lifespan B3 | 1500 hr |

Capabilities

|            |     |
|------------|-----|
| Technology | LED |
|------------|-----|

Certificates & standards

|           |     |
|-----------|-----|
| Standards | ABG |
|-----------|-----|

Environmental & Regulatory Information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                                                                                    |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Primary article identifier                                            | 4062172373791                                                                                      |
| Candidate list substance 1                                            | Lead                                                                                               |
| CAS No. of substance 1                                                | 7439-92-1                                                                                          |
| Safe use instruction                                                  | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| Declaration no. in SCIP database                                      | 903e3f51-c32d-4f87-bae4-4b7e9340d530                                                               |

Logistical Data

| Product code  | Product description  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume               | Gross weight |
|---------------|----------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4062172373791 | NIGHT BREAKER H1 LED | HFB 2                        | 140 mm x 129 mm x 61 mm              | 1.11 dm <sup>3</sup> | 227.00 g     |
| 4062172373807 | NIGHT BREAKER H1 LED | Shipping carton box 4        | 150 mm x 132 mm x 142 mm             | 2.81 dm <sup>3</sup> | 532.00 g     |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Download Data

| File |
|------|
|------|

## Product datasheet

|                                                                                   |                                                           |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------|
|  | User instruction<br>NIGHT BREAKER LED H1 64150DWNB        |
|  | User instruction<br>GPRS_Safety symbols instructions      |
|  | Brochures<br>LEDriving Retrofits - Exchange overview (EN) |

### Safety advice

Application advice: For more detailed application information and graphics please see product datasheet and user manual.

### Legal advice

1) Approved LED light source - only applies to the respective countries in which there is approval or to which an equivalent approval applies and the vehicle models and light functions currently listed in the compatibility list. For more details see [www.osram.com/nb-led](http://www.osram.com/nb-led)

2) Compared to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 40%

3) In comparison to traditional Halogen lamps

4) For precise conditions please refer to: [www.osram.com/am-guarantee](http://www.osram.com/am-guarantee)

### 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.



# OSRAM