

# NIGHT BREAKER H4-LED

OSRAM's first NIGHT BREAKER H4 LED for motorcycles



**Street-Legal1)**

The NIGHT BREAKER LED family - OSRAM's first street-legal1) LED retrofit lamps.



**Up to 230% more brightness2) & 6000K**

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 lifetime3)**

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.

## Product family datasheet



With the NIGHT BREAKER H4 LED for Motorcycles, OSRAM's first street legal<sup>1)</sup> H4-LED replacement lamp for Motorcycles is now on the market

With the street-legal<sup>1)</sup> NIGHT BREAKER H4-LED you can now upgrade the function of your high- and low beam lights of your motorcycle to state-of-the-art LED technology. These LED replacement lamps are suitable as a replacement for conventional H4 lamps and bases. They offer a modern and bright white light with a color temperature of up to 6000 Kelvin and impress with up to 230% more brightness<sup>2)</sup>, while the glare of other road users falls below the permissible maximum values by up to 50%<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 motorcycle 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>

# Product family datasheet

## Technical data

| Product description  | Product information                         |  |  |                              |
|----------------------|---|--|--|------------------------------|
|                      | Application (Category and Product specific) | Product legal advice 1   | Product legal advice 2                                       | Product legal advice 3       |
| NIGHT BREAKER H4 LED | High and low beam                           | 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> | 2) Compared to minimum ECE R112. On top with 50% less glare. | 3) Compared to halogen lamps |

| Product description  | General Product Information | Electrical Data |              |                       |                 |                 |
|----------------------|-----------------------------|-----------------|--------------|-----------------------|-----------------|-----------------|
|                      | Global order reference      | Power input     | Test voltage | Power input tolerance | Nominal wattage | Nominal voltage |
| NIGHT BREAKER H4 LED | 64193DWNB                   | 27/23 W         | 13.2 V       | ±15 %                 | 27 W            | 12.0 V          |

| Product description  | Photometric Data  |                       |                 | Physical Attributes & Dimensions |
|----------------------|-------------------|-----------------------|-----------------|----------------------------------|
|                      | Color temperature | Nominal luminous flux | Light color LED | Product weight                   |
| NIGHT BREAKER H4 LED | 6000 K            | 1650/1000 lm          | Cool white      | 80.00 g                          |



| Product description  | Length  | Lamp base | Diameter | Lifetime Data |             |
|----------------------|---------|-----------|----------|---------------|-------------|
|                      |         |           |          | Lifespan Tc   | Lifespan B3 |
| NIGHT BREAKER H4 LED | 87.4 mm | P43t      | 18.5 mm  | 2500 hr       | 1500 hr     |

| Product description  | Capabilities | Certificates & standards | Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                            |
|----------------------|--------------|--------------------------|--|----------------------------|
|                      | Technology   | Standards                | Date of declaration  | Primary article identifier |
| NIGHT BREAKER H4 LED | LED          | ABG                      | 26-06-2024   | 4062172382632              |

| Product description  | Declaration no. in SCIP database |
|----------------------|----------------------------------|
| NIGHT BREAKER H4 LED | In work                          |

## Product family datasheet

### Download Data

| File  |  |
|---|--|
|  | Brochures<br>LEDiving Retrofits - Exchange overview (EN)                     |
|  | ref_pim_amsproduct360degreeimages<br>NIGHT BREAKER LED H4-LED 64193DWNB-2HFB |

#### 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 50%

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.

