

# NIGHT BREAKER H4-LED

OSRAM's first street-legal LED replacement lamp



**OSRAM's first H4 street-legal LED replacement lamp 1)**

See and be seen more clearly, for more safety on the road, especially at night



**Up to 230% more brightness 2)**

Cool White LED-Upgrade with color temperature close to daylight for specific car models



**Up to 5 times more lifetime 3)**

Environmentally friendly through longer durability and less garage shop visits and reduced energy

## First NIGHT BREAKER LED H4-LED

With NIGHT BREAKER H4-LED, OSRAM's first street legal<sup>1)</sup> LED replacement lamp is now on the market. The plug-and-play solution offers drivers significant advantages: very high cool white color temperature of 6,000 Kelvin with up to 230% more brightness compared to the minimum requirements of ECE R112, up to 5 times longer lifespan compared to halogen lamps and an additional 50% less glare.



# Product family datasheet

## Technical data

| Product description  | Product information  |  |                              |   |
|----------------------|--|--|------------------------------|---|
|                      | Product legal advice 1   | Product legal advice 2                                       | Product legal advice 3       | Application (Category and Product specific) |
| NIGHT BREAKER H4 LED | 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 | High and low beam                           |

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

| Product description  | Power input | Photometric Data |                         |                       |                   |
|----------------------|-------------|------------------|-------------------------|-----------------------|-------------------|
|                      |             | Light color LED  | Luminous flux tolerance | Nominal luminous flux | Color temperature |
| NIGHT BREAKER H4 LED | 27/23 W     | Cool white       | ±15 %                   | 1650/1000 lm          | 6000 K            |

| Product description  | Physical Attributes & Dimensions |           |         |                |
|----------------------|----------------------------------|-----------|---------|----------------|
|                      | Diameter                         | Lamp base | Length  | Product weight |
| NIGHT BREAKER H4 LED | 18.5 mm                          | P43t      | 87.4 mm | 80.00 g        |

| Product description  | Lifetime Data |             | Capabilities | Certificates & standards | Environmental & Regulatory Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |
|----------------------|---------------|-------------|--------------|--------------------------|--|
|                      | Lifespan Tc   | Lifespan B3 | Technology   | Standards                | Date of declaration  |
| NIGHT BREAKER H4 LED | 2500 hr       | 1500 hr     | LED          | ABG                      | 19-10-2024   |




## Product family datasheet

| Product description  | Primary article identifier    | Candidate list substance 1 | CAS No. of substance 1 | Safe use instruction   |
|----------------------|-------------------------------|----------------------------|------------------------|--|
| NIGHT BREAKER H4 LED | 4062172314206   4062172284691 | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

| Product description  | Declaration no. in SCIP database     |
|----------------------|--------------------------------------|
| NIGHT BREAKER H4 LED | 8e9ff543-2e16-4737-9ad4-29f7f4cbe8a3 |

## Product family datasheet

### Download Data

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

#### Legal advice

1) Approved H4-LED headlamp. Only applies to the respective countries in which there is approval and the vehicle models and light functions currently listed in the compatibility list. For exact conditions see [www.osram.com/nb-led2](http://www.osram.com/nb-led2)) compared to minimum ECE R112. On top with 50% less glare.3) compared to halogen lamps

#### 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.

