

# NIGHT BREAKER LED START H4



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

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



Up to 230% more brightness<sup>2)</sup> & 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 and in adverse weather conditions.



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

Vibration resistant, environmentally friendly, and cost-efficient



3 Year OSRAM Guarantee<sup>4)</sup>

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



Start into the world of street-legal<sup>1)</sup> LED replacement lamps with OSRAMs NIGHT BREAKER LED START.

With a revised basic design, basic features and basic benefits, the NIGHT BREAKER LED START focuses on the fundamental factors of street-legal<sup>1)</sup> LED replacement lamps. More and better vision and visibility<sup>3)</sup> and therefore more driving comfort, environmental friendliness and cost efficiency thanks to less replacement cycles and a more modern look.

Affordable products for entry into the street-legal<sup>1)</sup> LEDr world without having to compromise on the key advantages.

With OSRAMs street-legal<sup>1)</sup> retrofit lamps, you can benefit from highly energy-efficient, bright and modern LED light. You can now upgrade the function of your high- and low beam lights of the vehicle to state-of-the-art LED technology. These LED replacement lamps are suitable as a replacement for conventional 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 60% 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>4)</sup>

## Datablad produktfamilj

### Tekniska data

Produktbeskrivning	Produktinformation			
	Tillämpning (kategori- och produktspec.)	Juridisk produktupplysning 1	Juridisk produktupplysning 2	Juridisk produktupplysning 3
NIGHT BREAKER START H4 LED	Hel- och halvljus	1) Godkänd LED-ljuskälla – gäller endast för de respektive länder där det finns ett godkännande eller för vilka ett likvärdigt godkännande gäller, samt för de fordonsmodeller och ljusfunktioner som för närvarande anges i kompatibilitetslistan. Mer information finns på <a href="http://www.osram.com/nb-led">www.osram.com/nb-led</a> .	2) Compared to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 60%	3) I jämförelse med traditionella halogenlampor

Produktbeskrivning	Product legal advice 4	Allmän produktinformation	Elektriska data	Fotometriska data
		Ordernummer	Nominell märkspänning	Färgtemperatur
NIGHT BREAKER START H4 LED	4) För exakta villkor, se: <a href="http://www.osram.com/am-guarantee">www.osram.com/am-guarantee</a>	64193DWNBST-2HB	12.0 V	6000 K



Produktbeskrivning	Ljusfärg LED	Fysiska egenskaper och dimensioner		Livslängder	
		produktvikt	Längd	Livslängd Tc i timmar	Livslängd B3
NIGHT BREAKER START H4 LED	Kallvitt	73.00 g	87.4 mm	2500 hr	1500 hr

Produktbeskrivning	Användningsområden	Information om miljö och regelverk Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)		
	Teknologi	Primär identifiering av artikel	Kandidatförteckning Ämne 1	CAS-nr för ämne 1
NIGHT BREAKER START H4 LED	LED	4062172411042	Lead	7439-92-1

## Datablad produktfamilj

Produktbeskrivning	Instruktioner för säker användning	Deklarationsnummer i SCIP-databasen
NIGHT BREAKER START H4 LED	Identifieringen av ämnet på kandidatlistan är tillräcklig för att artikeln ska kunna användas på ett säkert sätt.	fa88b296-a3fc-463e-bca0-15ad2efb7de9

### Download

Dokument	
	User instruction NIGHT BREAKER LED H4 64193DWNBST
	User instruction GPRS_Safety symbols instructions

### Lagliga hänvisningar

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-led2](http://www.osram.com/nb-led2) Compared to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 60% 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 and user manual.

### Applikationsråd

För mer detaljerad applikationsinformation och grafik, vänligen se produktdatablad

### Friskrivningsklausul

Kan ändras utan föregående notifiering. Felaktigheter och försummelse undantagna. Se alltid till att använda den senaste utgåvan.