



LED On-Road¹ Lamps

Superior brightness for
wherever the road takes you

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 exact conditions see osram.com/nb-led

Be road ready

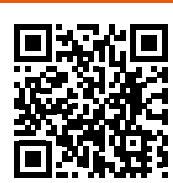


100 YEARS
OSRAM
AUTOMOTIVE

A shining revolution in technology and design

Lighting the road with power and precision

Benefit from better vision and visibility and at the same time, reduced glare of all other road users. Take the design of your vehicle to the next level and upgrade your halogen headlights legally¹, easily and cost-effectively to state-of-the-art LED technology now!



OSRAM-quality guaranteed
All OSRAM products are extensively stress tested by our quality assurance system. For information concerning guarantees, visit www.osram.com/am-guarantee or scan the QR code.

1

NIGHT BREAKER® LED Headlights
Switch easily from halogen to street-legal¹ LED light. An innovation and revolution from OSRAM in the field of technology and design.



2



NIGHT BREAKER® LED Signal & Fog Lights
Upgrade your vehicle with perfectly tailored and designed LED lamps – for exterior and interior applications.¹

3

TRUCKSTAR® LED Headlights
For truck drivers, fleet managers and freight forwarders. A street-legal¹ LED-retrofit solution especially engineered for the 24 V and „heavy duty” range.



4




LEDriving® Accessories
Enjoy full benefits of your LED upgrade by replacing your conventional lamps with the help of OSRAM LEDriving® Accessories.


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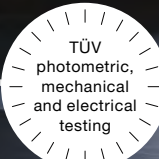
The road to regulatory freedom

In 2020, the first NIGHT BREAKER® LED lamps were granted street-legal¹ approval status by the German Federal Motor Transport Authority, after extensive photometric, mechanical and electrical testing in collaboration with TÜV SÜD. Since then, a growing number of countries have granted approval.







E.g. ECE R112



TÜV photometric, mechanical and electrical testing




EU approved¹



Check compatibility

The list of approved countries can be found at www.osram.com/nb-led



Invest in your success


Offering a street-legal¹ LED upgrade to your customers is a sure way to build loyalty and improve sales. In this guide, we'll show you how to check compatibility and ensure legal compliance when installing NIGHT BREAKER® LED replacement lamps.

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LED upgrades benefit your customers

The superior performance of LED technology makes it an attractive upgrade option for every customer.







Enhanced safety
See further, react sooner with up to 330%¹ brighter light and high contrast.




Better vision and visibility
Optimised light distribution, reduced glare,¹ far-reaching beams and a modern look for the vehicle.




Driving comfort
Cool-white color (up to 6 000 K) creates day-like conditions.




Exceptional long service life
Up to 6 times more lifetime³ with up to 6-year guarantee.²




Long-lasting brightness
Maintains constant lumen value over the entire service life.



Fewer burn outs
High surge protection for voltage peaks.



Energy efficiency
Reduced energy consumption of LED technology can lead to an increase in the efficiency of the vehicle.³



Wide compatibility
Approved for a wide range of vehicles from cars to campers and everything in between.⁴

¹ In comparison to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 50%. ² For precise conditions please refer to www.osram.com/am-guarantee. ³ Compared to conventional lamps. ⁴ 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.



Street-legal:¹

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

1 NIGHT BREAKER® LED Headlights

Switch easily and legally¹ from halogen to LED light

Further developed, optimized and redesigned by OSRAM – The new NIGHT BREAKER® LED retrofit lamps. They impress with an improved optical design that enables higher luminance and can therefore achieve optimized illumination. Additionally with a revised, innovative and compact design for a more modern look and are characterized by more efficient thermal management, which can lead to a lower heat load. With OSRAM's street-legal¹ 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.

Up to 330% more brightness² & 6 000 K:
See and be seen with OSRAM. Cool white color temperature similar to daylight. See further, react sooner, especially when driving at night.

Up to 6x longer lifetime:³
Cost efficient, vibration resistant and environmentally friendly.

Guarantee:⁴
Systematic quality assurance measures underpin the premium workmanship and functionality. Innovative technology and excellent quality really pay dividends for customers.

NIGHT BREAKER® LED SPEED H7



Especially developed for customer and market needs. Quickly installed, easily installed with the latest innovative OSRAM electronics inside. A mechanical compatibility inspired by traditional lamps, with all the added features and benefits of OSRAM's street-legal¹ LED lamps.

- Features**

 - 1:1 Design
 - Fast & Easy installation
 - 6 000 K & Cool white color temperature
 - Integrated active cooling
 - Innovative electronic
 - Universal Polarity
 - Up to 60% less energy consumption²
 - Up to 50% less glare³
 - 5+1-year OSRAM Guarantee⁴
- Benefits**

 - Dimensions & Mechanical compatibility inspired by traditional lamps
 - No adapter and no caps needed
 - No flickering & No failure message during cold lamp test
 - Color temperature close to daylight
 - Environmentally friendly and cost efficient through longer durability
 - Innovative technology and excellent quality
 - Better vision and visibility

NIGHT BREAKER® LED SPEED

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUARANTEE (YEAR)
64210DWNBSP-2HB	4062172411264	PX26d	H7-LED	16	12	6000	White	1550	2	4	5+1
64210DWNBSP	4062172411295	PX26d	H7-LED	16	12	6000	White	1550	2	4	5+1

NIGHT BREAKER® LED SPEED MOTORCYCLE

64210DWNBSP-1HB	4062172411325	PX26d	H7-LED	16	12	6000	White	1550	1	2	5+1
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NIGHT BREAKER® LED SMART H4 & H7



Exceptionally bright, innovatively compact, widely applicable, broadly compatible, particularly durable and of course street legal.¹ The NIGHT BREAKER® LED SMART. A smart and clever solution from OSRAM.

- Features**

 - Up to 330% more brightness³ & Up to 6 000 K
 - Compact Design & Up to 6 - times more lifetime²
 - Up to 60% less energy consumption²
 - Up to 50% less glare³
 - Easy installation & 5+1-year OSRAM Guarantee⁴
- Benefits**

 - Cool White LED-Upgrade with color temperature close to daylight
 - Environmentally friendly and cost efficient through longer durability
 - Innovative technology and excellent quality really pay dividends for our customers
 - Benefit from better vision and visibility and at the same time, reduced glare of all other road users

NIGHT BREAKER® LED

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUARANTEE (YEAR)
NIGHT BREAKER® LED SMART											
64193DWNBSM-2HB	4062172398138	P43t	H4-LED	20/19	12	6000	White	1650/1000	2	4	5
64193DWNBSM	4062172398152	P43t	H4-LED	20/19	12	6000	White	1650/1000	2	4	5+1
64210DWNBSM-2HB	4062172408332	PX26d	H7-LED	16	12	6000	White	1550	2	4	5
64210DWNBSM	4062172408370	PX26d	H7-LED	16	12	6000	White	1550	2	4	5+1

NIGHT BREAKER® LED SMART MOTORCYCLE

64193DWNBSM-1HB	4062172398114	P43t	H4-LED	20/19	12	6000	White	1650/1000	1	4	5+1
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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. ² In comparison 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.

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. ² In comparison to traditional halogen lamps. ³ In comparison to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 50%. ⁴ For precise conditions please refer to www.osram.com/am-guarantee.

NIGHT BREAKER® LED
START H4 & H7



Cost-effective products for entry into the street-legal¹ LED world without having to compromise on the basic advantages of LED replacement lamps.

With a revised basic design, basic features and basic benefits, the NIGHT BREAKER® LED START focuses on the basic factors of street-legal¹ LED replacement lamps.

- Features**

 - Up to 230% more brightness² & up to 6 000 K
 - Up to 5 - times more lifetime³
 - Up to 60% less energy consumption³
 - Up to 50% less glare²
 - 3+1-year OSRAM Guarantee⁴
- Benefits**

 - Cool White LED-Upgrade with color temperature close to daylight
 - Environmentally friendly and cost efficient through longer durability
 - Innovative technology and excellent quality really pay dividends for our customers
 - Benefit from better vision and visibility and at the same time, reduced glare of all other road users

NIGHT BREAKER® LED START

Product Reference	EAN		ECE	W	V	K		lm			
64193DWNBST-2HB	4062172411042	P43t	H4-LED	20/19	12	6000	White	1650/1000	2	4	3+1
64193DWNBST	4062172411066	P43t	H4-LED	20/19	12	6000	White	1650/1000	2	4	3+1
64210DWNBST-2HB	4062172410984	PX26d	H7-LED	16	12	6000	White	1500	2	4	3+1
64210DWNBST	4062172411004	PX26d	H7-LED	16	12	6000	White	1500	2	4	3+1

NIGHT BREAKER® LED
H1



Benefit from better vision and visibility and at the same time, reduced glare of all other road users.

- Features**

 - Cool white color temperature & Up to 6 000 K
 - Up to 5 – times more lifetime³
 - Up to 40% less energy consumption³
 - Up to 50% less glare²
 - 4+1-year OSRAM Guarantee⁴
- Benefits**

 - Easy installation Easy plug in for different connector types
 - Environmentally friendly and cost efficient through longer durability
 - Cool White LED-Upgrade with color temperature close to daylight
 - Benefit from better vision and visibility and at the same time, reduced glare of all other road user

NIGHT BREAKER® LED

Product Reference	EAN		ECE	W	V	K		lm			
64150DWNB-2HFB	4062172373791	P14.5s	H1-LED	16	12	6000	White	1550	2	4	4+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 www.osram.com/nb-led. ² In comparison 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.

Bringing brighter light
to campervan owners

Campervan owners spend a lot of time on the road, often driving long distances at night on unfamiliar roads without any streetlights. Having a clear view of the road ahead at all times is therefore a top priority. With up superior brightness the NIGHT BREAKER® LED for campervans¹ is the easiest way to upgrade your driving performance.

These energy-efficient LED replacement lamps produce powerful beams that illuminate the road with day-like clarity – allowing you to see further, spot signs and obstacles earlier, and avoid danger.

Optimised light distribution, glare reduction technology, and the cool white color temperature of 6 000 K makes driving at night more comfortable. And with up to 60% lower energy consumption, you’re far less likely to drain your battery or experience a blowout.

In fact, the NIGHT BREAKER® LED for campervans lasts up to 6 times longer than standard halogen lamps. This means fewer trips to the garage for maintenance and more peace of mind when you’re behind the wheel.



Bringing brighter light
to motorbike owners

With the street-legal NIGHT BREAKER® LEDs, you can also upgrade the function of your high and low beam lights on your motorcycle to state-of-the-art LED technology.

See and be seen on your Motorbike with OSRAM, for more safety on the road, especially when driving at night. Cool white color temperature similar to daylight and with the special developed vibration resistant design you can now replace your motorcycle lamps with OSRAM’s revolutionary NIGHT BREAKER® LED retrofit lamps and experience trend-setting brightness with road approval.²

¹ In comparison to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 50%. ² 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.



2 NIGHT BREAKER® LED Signal & Fog Lights

Switch easily and legally¹ from halogen to LED light

With the NIGHT BREAKER® W5W-LED, OSRAM's first street legal¹ W5W-LED replacement lamp is now on the market, which is approved for use in all¹ 12 V vehicle models behind white glass as a parking light, position light, marker light, license plate light and interior light. This is the first lamp from OSRAM does not require to compare and match the headlamp approval number with a compatibility list. In combination with the NIGHT BREAKER® LED headlights and the NIGHT BREAKER® LED SMART Fog Lights you can now get the full LED upgrade for your vehicle with perfectly tailored and designed LED lamps – for exterior and interior applications.



Universal Polarity:

Installation independent of polarity possible. Quick and easy upgrade to LED technology with Plug & Play solution.



Up to 6x longer lifetime:²

Cost efficient, vibration resistant and environmentally friendly.



Guarantee:³

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

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. ² In comparison to traditional halogen lamps. ³ For precise conditions please refer to www.osram.com/am-guarantee.

NIGHT BREAKER® LED W5W



This is the first street-legal¹ LED replacement lamp from OSRAM that does not require to compare and match the headlamp approval number with a compatibility list.

Features

- Up to 5 700 K & up to 50 lm
- Up to 5 – times more lifetime²
- Up to 40% less energy consumption¹
- Plug & Play Universal Polarity
- 4+1-year OSRAM Guarantee³

Benefits

- Optimized light output for the designated area of application
- For interior and exterior application
- Cool White LED-Upgrade with color temperature close to daylight
- Installation independent of polarity possible
- Optional suitable accessory for installation available

NIGHT BREAKER® LED W5W

Product Reference	EAN		ECE	W	V	K	COLOR	lm				GUARANTEE (YEAR)
2825DWNB-2HFB	4062172367424	W2.1x9.5d	W5W-LED	1	12	5700	White	50	2	10		4+1

NIGHT BREAKER® LED SMART H8, HB4, H10 & H16



With their wide beam angle and the resulting larger field of vision, these street-legal¹ LED fog lights set new standards. In combination with our broad range of various street-legal¹ retrofit solution lamps, they are the perfect comprehensive upgrade for your vehicle.

Features

- OSRAMs first street legal¹ NIGHT BREAKER® LED fog lights approved for road use¹
- Up to 6 times more lifetime²
- For a wider fog beam²
- 6 000 K – brilliantly white light
- IP54 – water and dust protection
- Innovative compact design
- Vibration resistant
- Eco-friendly

Benefits

- Upgrade your fog lights to LED – to match your LED or HID headlamps
- Better seen and be seen, for more safety on the road, especially at night and in bad weather conditions
- Protected against environmental factors like rain and dust
- Innovative compact design that enables easy installation and blends seamlessly into the appearance of the vehicle

NIGHT BREAKER® LED SMART FOG

Product Reference	EAN		ECE	W	V	K	COLOR	lm				GUARANTEE (YEAR)
64212DWNBSM-2HB	4062172410212	PGJ19-1	H8-LED	7	12	6000	White	800	2	4		5
9006DWNBSM-2HB	4062172410236	P22d	HB4-LED	10	12	6000	White	1095	2	4		5
9145DWNBSM-2HB	4062172410250	PY20d	H10-LED	7	12	6000	White	850	2	4		5
64219DWNBSM-2HB	4062172410274	PGJ19-3	H16-LED	4	12	6000	White	500	2	4		5

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. ² In comparison to traditional halogen lamps. ³ For precise conditions please refer to www.osram.com/am-guarantee.



3 TRUCKSTAR® LED Headlights

Switch easily and legally¹ from halogen to LED light

For truck drivers, fleet managers and freight forwarders. For trucks, special vehicles, buses and towing vehicles. For nearly everyone in the „heavy duty” sector and beyond. With the street-legal¹ TRUCKSTAR® H7-LED for 24 V Vehicles you can now upgrade the function of your high- and low beam lights of your vehicle to state-of-the-art LED technology. Especially engineered for the 24 V and "heavy duty" range.

Heavy Duty Application: Specially developed vibration-resistant design, engineered for the 24 V and "heavy duty" range for an up to 5 times longer lifetime.²

Up to 230% more brightness³ & 6 000 K. See and be seen with OSRAM. Cool white color temperature similar to daylight. See further, react sooner, especially when driving at night.

Guarantee:⁴ Systematic quality assurance measures underpin the premium workmanship and functionality. Innovative technology and excellent quality really pay dividends for customers.

TRUCKSTAR® LED H7



For truck drivers, fleet managers and freight forwarders. For trucks, special vehicles, buses, and towing vehicles. For nearly everyone in the "heavy duty" sector and beyond.

- Features**

 - Vibration resistant
 - For Heavy Duty application
 - Up to 75% less energy consumption¹
 - Up to 50% less glare²
 - 4+1-year OSRAM Guarantee³ even in commercial use
- Benefits**

 - Cool White LED-Upgrade with color temperature close to daylight
 - Environmentally friendly and cost efficient through longer durability
 - Innovative technology and excellent quality really pay dividends for our customers
 - Benefit from better vision and visibility and at the same time, reduced glare of all other road users

TRUCKSTAR® LED

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUARANTEE (YEAR)
64215DWTS-2HFB	4062172384919	PX26D	H7-LED	16	24	6000	White	1500	2	4	4+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 www.osram.com/hb-led. ² In comparison to traditional halogen lamps. ³ In comparison to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 50%. ⁴ For precise conditions please refer to www.osram.com/am-guarantee.

¹ In comparison to traditional halogen lamps. ² In comparison to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 50%. ³ For precise conditions please refer to www.osram.com/am-guarantee.



4 LEDDriving® Accessories

Easy upgrade, essential benefits

Convert from halogen to LED with original OSRAM accessories: LEDDriving® ADAPTER, LEDDriving® SMART CANBUS, LEDDriving® CAP's and LEDDriving® ERROR CANCELER that make the installation easy and error message free.¹

Robust and resistant:
For a durable application.

Error message free:
Potential error messages on vehicle dashboards are avoided.

Guarantee:²
Systematic quality assurance measures underpin the premium workmanship and functionality. Innovative technology and excellent quality really pay dividends for customers.

¹ Only the combination of OSRAM LED lamps in conjunction with the official OSRAM accessories – LEDDriving® ADAPTER, LEDDriving® SMART CANBUS, LEDDriving® CAP's and LEDDriving® ERROR CANCELER is approved for the operation of our LED lamps. ² For precise conditions please refer to www.osram.com/am-guarantee.

Compatibility and compliance

OSRAM's family of street-legal¹ LED replacement lamps gives more motorists the opportunity to upgrade their vision. This can be achieved with lamps alone or in combination with OSRAM accessories² – depending on the vehicle model.

Ensure a secure fit in different headlight sockets.

LEDDriving® CAP LEDDriving® ADAPTER

Prevents false error messages in the dashboard.

LEDDriving® SMART CANBUS LEDDriving® ERROR CANCELER

LEDDriving® CANBUS CONTROL UNIT

How to find out if your customer's vehicle is compatible:

Scan the QR code on the packaging or go to www.osram.com/nb-led.

Look for their car model, the headlight approval number and year of manufacture in the list of compatible vehicles.

Check which accessories you need (if required).

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. ² Where the use of accessories is instructed, only the combination of OSRAM NIGHT BREAKER® LED lamps and official OSRAM accessories are covered by the approval. For precise conditions please refer to www.osram.com/am-guarantee.

LEDriving®
ADAPTER

The mounting brackets offer an easy installation and compatibility for a variety of cars.



Features

- Fixes H7-LED lamps
- Fits for vehicles types with H7 adapter
- Tight manufacturing tolerances for correct position of the H7-LED lamp

Benefits

- Ensure precise light distribution from the H7-LED lamp and enjoy the benefits of LED lighting
- Replaces the original H7 adapter
- Proven OSRAM quality for greater customer satisfaction with a 3-year guarantee¹

LEDriving® ADAPTER

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUAR- ANTEE (YEAR)
64210DA01-1	4062172206532	-	Acc. for H7-LED	-	-	-	-	-	2	20	3
64210DA02	4062172160414	-	Acc. for H7-LED	-	-	-	-	-	2	20	3
64210DA03-1	4062172201872	-	Acc. for H7-LED	-	-	-	-	-	2	20	3
64210DA04	4062172175029	-	Acc. for H7-LED	-	-	-	-	-	2	20	3
64210DA05	4062172233170	-	Acc. for H7-LED	-	-	-	-	-	2	20	3
64210DA06-1	4062172201902	-	Acc. for H7-LED	-	-	-	-	-	2	20	3
64210DA07	4062172233835	-	Acc. for H7-LED	-	-	-	-	-	2	20	3
64210DA08	4062172242745	-	Acc. for H7-LED	-	-	-	-	-	2	20	3
64210DA09	4062172360203	-	Acc. for H7-LED	-	-	-	-	-	2	20	3
64210DA10	4062172360234	-	Acc. for H7-LED	-	-	-	-	-	2	20	3

LEDriving®
ERROR CANCELER

Some vehicles report a fault in the exterior lighting when LED lamps are used. With the OSRAM LEDriving® SMART CANBUS series, potential error messages in the on-board system are avoided.



Features

- Error message and flicker free
- Individual vehicle testing approved by official authorities (KBA)
- Robust component

Benefits

- Potential error messages in the on-board system are avoided
- Convert from halogen lamps to LED lamps with original OSRAM accessories
- Proven OSRAM quality for greater customer satisfaction with a 3-year guarantee¹

LEDriving® ERROR CANCELER LEDEC02

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUAR- ANTEE (YEAR)
LEDEC02-2HB	4062172383721	PX26D	Acc. for H7-LED	1	12	-	-	-	2	4	3

¹ For precise conditions please refer to www.osram.com/am-guarantee.

LEDriving®
CAP

Enables the installation of the H7-LED lamps. Replacement of original cap in OSRAM quality.



Features

- Enables the installation of the H7-LED lamps
- Mechanical fit and protects headlight system
- System component for H7-LED installation

Benefits

- Replacement of original cap
- Enjoy the benefits of LED lighting
- Proven OSRAM quality for greater customer satisfaction with a 3-year guarantee¹

LEDriving® CAP

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUAR- ANTEE (YEAR)
LEDCAP01	4062172241878	Carspecific	VW Passat B7	-	-	-	-	-	2	8	-
LEDCAP02	4062172241908	Carspecific	Ford Focus MK4	-	-	-	-	-	2	8	-
LEDCAP03	4062172271394	Carspecific	Audi A1	-	-	-	-	-	2	8	-
LEDCAP04	4062172278560	Carspecific	VW T-cross	-	-	-	-	-	2	8	-
LEDCAP06	4062172305952	Carspecific	Hyundai ix20	-	-	-	-	-	2	8	-
LEDCAP07	4062172305983	Carspecific	Opel Zafira C-Tourer & Astra J	-	-	-	-	-	2	8	-
LEDCAP08	4062172309509	Carspecific	Skoda Octavia	-	-	-	-	-	2	8	-
LEDCAP09	4062172309530	Carspecific	Peugeot 208 Facelift	-	-	-	-	-	2	8	-
LEDCAP11	4062172325981	Carspecific	Peugeot 308 (L II)	-	-	-	-	-	2	8	-
LEDCAP12	4062172326070	Carspecific	Ford Transit/Tourneo (Custom)	-	-	-	-	-	2	8	-

LEDriving®
SMART CANBUS

Some vehicles report a fault in the exterior lighting when LED lamps are used. With the OSRAM LEDriving® SMART CANBUS series, potential error messages in the on-board system are avoided.



Features

- Error message free
- Individual vehicle testing approved by official authorities (KBA)
- High-quality aluminum housing and black anodized surface with IP protection class IP54

Benefits

- Potential error messages in the on-board system are avoided
- Convert from halogen lamps to LED lamps with original OSRAM accessories
- Proven OSRAM quality for greater customer satisfaction with a 3-year guarantee¹

LEDriving® SMART CANBUS

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUAR- ANTEE (YEAR)
LEDSC01-2HFB	4062172176439	PX26D	Acc. for H7-LED	12	12	-	-	-	2	4	3
LEDSC02-1-2HFB	4062172176460	Carspecific	Acc. for H7-LED	16	12	-	-	-	2	4	3
LEDSC03-2HFB	4062172176491	Carspecific	Acc. for H7-LED	12	12	-	-	-	2	4	3
LEDSC03-1-2HFB	4062172278249	Carspecific	Acc. for H7-LED	12	12	-	-	-	2	4	3
LEDSC04-2HB	4062172400725	P(U)43T	Acc. for H4/H19-LED	15	12	-	-	-	2	4	3
LEDSC06-2HB	4062172400787	P(Y)20/22D	Acc. for H10/HB3/HB4-LED	15	12	-	-	-	2	4	3
LEDSC10-2HB	4062172400695	PX26D	Acc. for H7-LED 24V	20	24	-	-	-	2	4	3

¹ For precise conditions please refer to www.osram.com/am-guarantee.

LEDDriving®
CANBUS CONTROL UNIT

The LEDDriving® CANBUS CONTROL UNIT serves as a bypass of a vehicle’s lamp failure detection system when using a LED retrofit lamp.



Features

- Error free – Prevents error messages in board computers during failure detection
- Click connection thanks to faston terminals with fix wiretap connectors
- Individual vehicle testing approved by official authorities (KBA)
- Robust component

Benefits

- Enjoy full benefits of your LED upgrade by replacing your conventional lamps
- Removable installation by fixed clips
- Convert from halogen lamps to LED lamps with original OSRAM accessories
- Proven OSRAM quality for greater customer satisfaction with a 3-year guarantee¹

LEDDriving® CANBUS CONTROL UNIT

Product Reference	EAN										
LEDCCU01-2HFB	4052899090873	Universal	Acc. for W5W-LED	5	12	-	-	-	2	20	3

To ensure compliance, follow these simple guidelines when fitting NIGHT BREAKER® LED lamps:

1

Identify approval numbers

Make sure the approval number matches the number on the head light fixtures.



2

Provide an approval certificate

Motorists are required to carry an approval certificate when they drive. Download the certificate at www.osram.com/nbl-abg, print it out and hand it to your customer.



3

Attach product sticker (optional)

For additional proof of certification, place the product sticker in the engine compartment.



¹ For precise conditions please refer to www.osram.com/am-guarantee.

The perfect upgrade for your business

With the NIGHT BREAKER® LED range on your shelves, you can give customers the light upgrades they've been waiting for.

Talk to your customers about the "Three Facts of Light".

- 1. Check & change:** headlights fade over time. Replace before they break.
- 2. Change in pairs:** balanced light enhances safety.
- 3. Upgrade your vision:** superior brightness means you can see further, react sooner, and avoid danger.

Recommend NIGHT BREAKER® LED lamps

"Did you know that LED upgrades have recently been made street legal?¹"

"Would you like a free brightness test?
You can never be too careful when it comes to your safety."

"Great news, your vehicle is compatible with OSRAM NIGHT BREAKER® LED lamps. Would you like a quote for installation?"

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.

Installation guide

Fitting NIGHT BREAKER® LED lamps and their accessories is easy.

H7 Installation with steel clamp

1 Disconnect the plug from the lamp.

2 Release clamp and remove the halogen lamp.

3 Remove base plate from the LED lamp.

4 Insert LED base plate and secure with retaining spring.

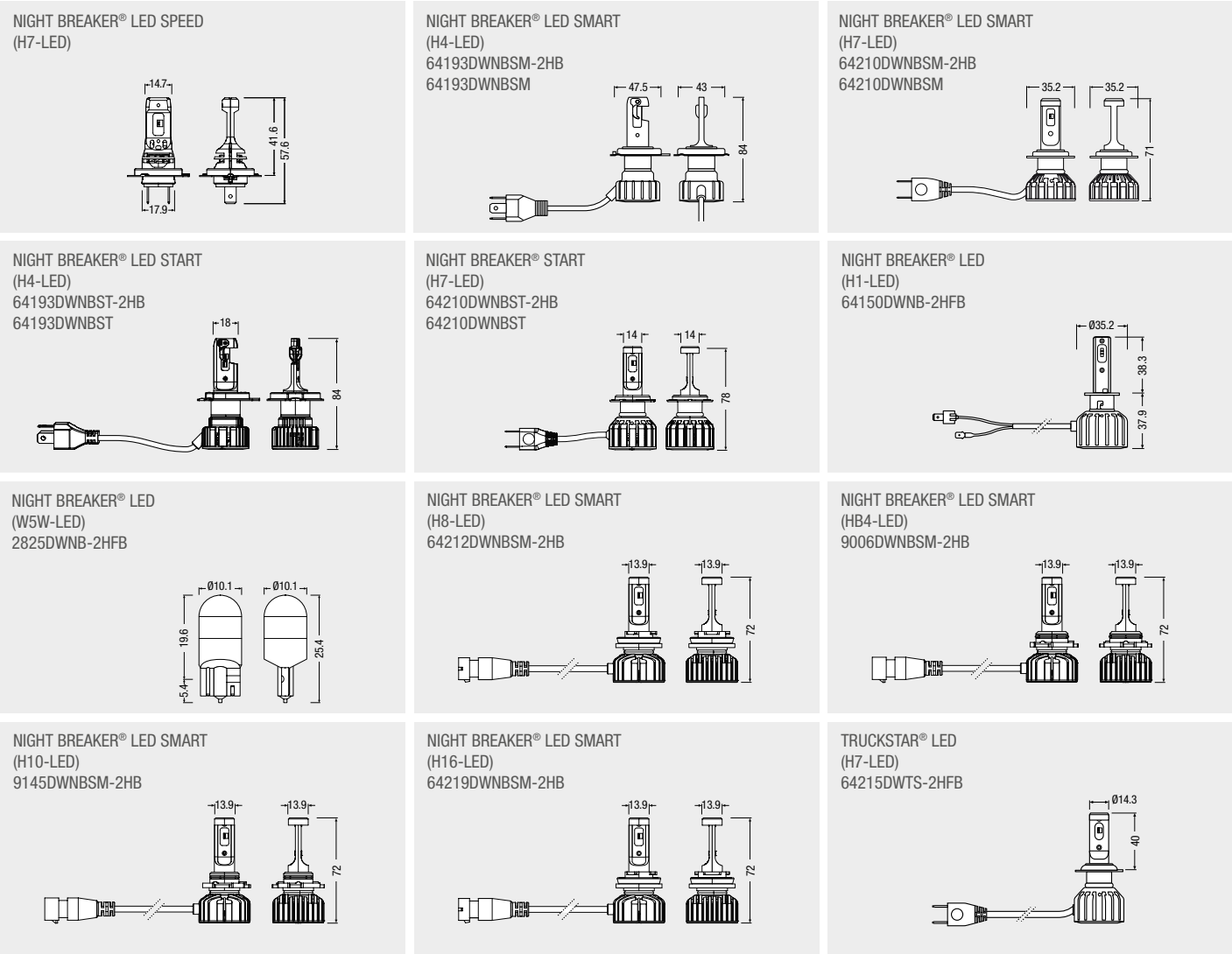
5 Plug in the LED lamp.

6 Insert the LED lamp into the spring holder until it clicks into position.

For detailed instructions on installing NIGHT BREAKER® LED with accessories visit www.osram.com/nb-led or watch our video guide here: www.osram.com/nbl-installation

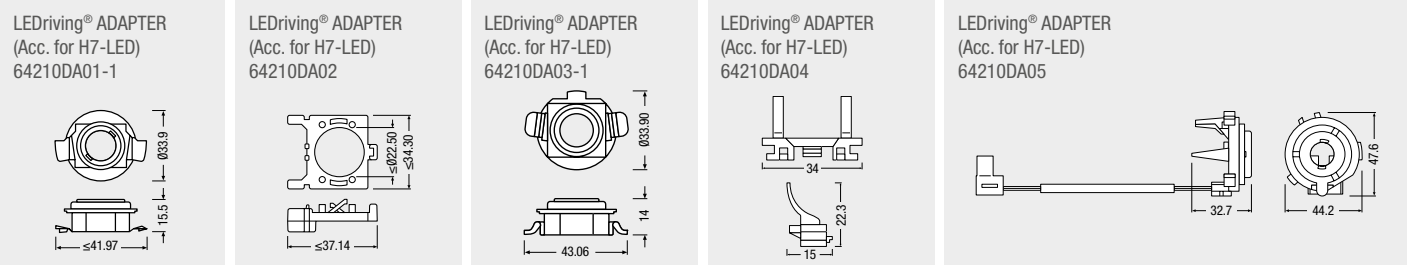
Measurements

NIGHT BREAKER® LED & TRUCKSTAR® LED



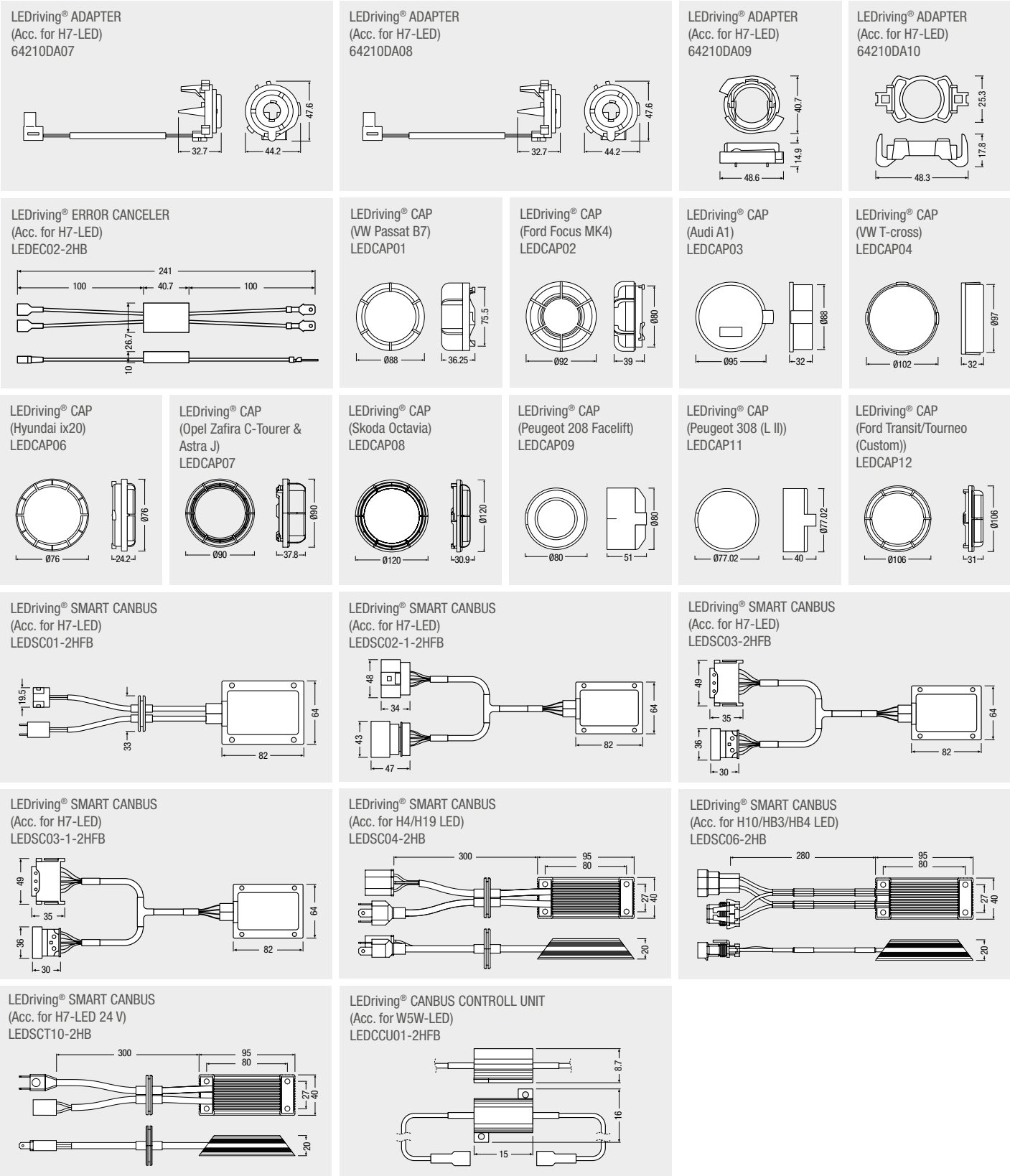
Measurements

LEDDriving® ACCESSORIES



Measurements

LEDDriving® ACCESSORIES



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