



## LED Off-Road<sup>1</sup> Lamps

Upgrade your vision

<sup>1</sup> These products do not have ECE approval and must not be used on public roads in any exterior application. Public roads use leads to cancellation of operating license and loss of insurance coverage. Several countries forbid sale and use of these products. Please contact your local distributor for further information.

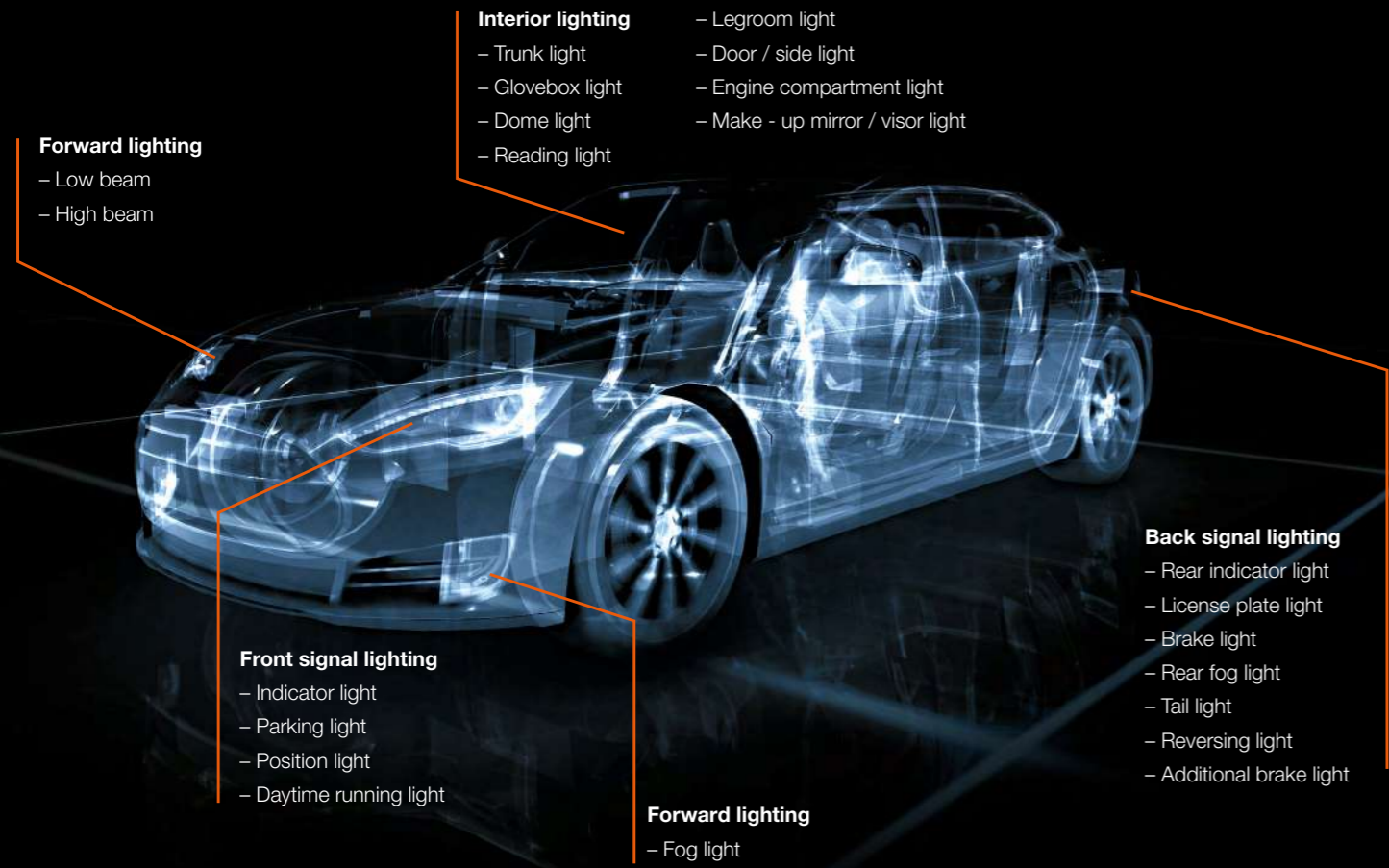
Be road ready

**OSRAM**

## Be one step ahead

### Meet future demands today with OSRAM LEDriving® replacement lamps<sup>1</sup>

As the global number 1 in automotive lighting, OSRAM is your trusted source of innovative LED replacement lamps. Our comprehensive portfolio of LED retrofits covers a wide range of applications – ranging from high-performance forward lighting to excellent signal and interior lighting.




## The perfect upgrade

### OSRAM LEDriving® replacement lamps

**1**

**LEDriving® HL**  
Step up to the next level with OSRAM LEDriving® HL forward lighting lamps.




**2**

**LEDriving® SL**  
Stand out with style and quality with OSRAM LEDriving® SL lamps for signal and interior lighting.




**3**

**LEDriving® HLM**  
See and be seen with OSRAM LEDriving® HLM EASY families forward lighting lamps for motorcycles.



**4**

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




**OSRAM-quality guaranteed**  
All OSRAM products are extensively stress tested by our quality assurance system. For information concerning guarantees, visit [osram.com/am-guarantee](http://osram.com/am-guarantee) or scan the QR code.

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**Up to +400% more brightness:**<sup>1,2</sup>  
More light allows to see farther and therefore react sooner.



**LEDDriving® HL EASY XEN**

**OSRAM's first Plug & Play LED replacement for HID with up to +180% more brightness.<sup>1</sup>**



**Key features and benefits**

- Same geometry as original HID
- CANbus free<sup>2</sup>
- Up to +180% more brightness<sup>1</sup>
- Optimized high-speed fan ensures active cooling
- Premium OSRAM quality
- High compatibility with plenty of car models
- Easy Plug & Play installation<sup>3</sup> – no additional accessories needed
- More light allows to recognize obstacles and hazards sooner
- Higher performance and high-level light output thanks to maximized heat dissipation
- Long lifetime

**LEDDriving® HL EASY XEN**

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUARANTEE (YEAR)
66540DWESY-2HB	4062172410298	PK32d-7	ΔD5S	50	12	6500	Cool White	5000	2	8	-

# 1 LEDDriving® HL

**Good, better, best: an upgrade for every desire**

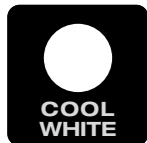
Impressive in terms of performance, design and quality – OSRAM LEDDriving® HL lamps for high and low beam headlights offer a convenient solution to upgrade your car with superior brightness and cool white light that not only increases visibility, but also improves styling with a more dynamic look. These top-quality LED replacement lamps are equipped with the latest technology. With the wide range of offered solutions, everyone finds the best fit whether that's easy installation and affordability, broad compatibility or high-performance upgrades.



**Very compact LED:**  
Replacements for conventional high and low beam lamps.



**Guarantee:**  
For precise conditions please refer to [osram.com/am-guarantee](http://osram.com/am-guarantee).<sup>2</sup>



**Cool White:**  
Color temperature of up to 6500 K.<sup>2</sup>  
Better visibility thanks to daylight effect.

<sup>1</sup> Compared to minimum ECE R112. <sup>2</sup> Please check for the concrete types.

<sup>1</sup> Compared to minimum ECE R98. <sup>2</sup> Applicable to plenty of car models. <sup>3</sup> Change is recommended to be carried out by a professional.

**LEDDriving® HL EASY GEN 2**

**Socket design Plug & Play LED retrofit lamps with optimized compatibility and up to +120% more brightness.<sup>1</sup>**



**Key features and benefits**

- Up to +120% more brightness<sup>1</sup>
- Ultra compact LED replacement for conventional high and low beam lamps as socket solution
- Optimized high-speed fan ensures active cooling
- Cool White color temperature of 6500 K
- Longer lifetime<sup>2</sup>
- More light allows to recognize obstacles and hazards sooner
- Easy Plug & Play installation with optimized compatibility that fits into more car models
- Higher performance and high-level light output thanks to maximized heat dissipation
- Better visibility thanks to daylight effect
- More durability due to LED technology

**LEDDriving® HL EASY GEN 2**

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUARANTEE (YEAR)
64193DWESY2-2HB	4062172406918	P43t/PU43t-3	±H4/H19	24/22	12	6500	Cool White	1800/1400	2	10	-
64210DWESY2-2HB	4062172406932	PX26d/PY26d-1	±H7/H18	16	12	6500	Cool White	2000	2	10	-

**LEDDriving® HL EASY**

**Socket design Plug & Play LED retrofit lamps – no adapters or caps needed.**



**Key features and benefits**

- Ultra compact LED replacement for conventional high and low beam lamps as socket solution
- Optimized high-speed fan ensures active cooling
- Cool White color temperature of up to 6500 K<sup>3</sup>
- Superior brightness
- Longer lifetime<sup>2</sup>
- Easy Plug & Play installation
- Higher performance and high-level light output thanks to maximized heat dissipation
- Better visibility thanks to daylight effect
- More light allows to recognize obstacles and hazards sooner
- More durability due to LED technology

**LEDDriving® HL EASY**

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUARANTEE (YEAR)
64150DWESY-2HB	4062172398039	P14.5s	±H1	9	12	6500	Cool White	1100	2	10	-
64151DWESY-2HB	4062172398053	PK22s	±H3	8	12	6500	Cool White	900	2	10	-
64176DWESY-2HB	4062172398350	PGJ23t-1	±H15	17/4	12	6500	Cool White	1250/250	2	10	-
64211DWESY-2HB	4062172401890	PGJ19-1/2/3	±H8/H11/H16	8.2	12	6000	Cool White	720	2	10	-
9145DWESY-2HB	4062172401913	PY20d	±H10	8.2	12	6000	Cool White	720	2	10	-

<sup>1</sup> Compared to minimum ECE R112. <sup>2</sup> Compared to halogen lamps. <sup>3</sup> Please check for the concrete types.

**LEDDriving® HL BRIGHT**

**Wide range of LED retrofit lamps with high lumen output and up to +300% more brightness.<sup>1</sup>**



**Key features and benefits**

- Up to +300% more brightness<sup>1</sup>
- Multi-compatible smart reference ring ensures a very compact LED replacement
- Cool White color temperature of 6000 K
- Up to 5 times more lifetime<sup>2</sup>
- Premium OSRAM quality
- More light allows to recognize obstacles and hazards sooner
- Reduced glaring thanks to an optimized light distribution
- Better visibility thanks to daylight effect
- More durability due to LED technology
- 4-year guarantee<sup>3</sup>

**LEDDriving® HL BRIGHT**

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUARANTEE (YEAR)
64150DWBRT-2HFB	4062172315579	P14.5s	±H1	13	12	6000	Cool White	1500	2	8	4
64193DWBRT-2HFB	4062172315913	P43t/PU43t-3	±H4/H19	15/15	12	6000	Cool White	1400/1100	2	8	4
64210DWBRT-2HFB	4062172315937	PX26d/PY26d-1	±H7/H18	19	12	6000	Cool White	1700	2	8	4
64211DWBRT-2HFB	4062172315951	PGJ19-2/PGJ19-5/PGJ19-1/PGJ19-3	±H8/H11/H16/H9	19	12	6000	Cool White	1900	2	8	4
9005DWBRT-2HFB	4062172315975	P20d/PX20d /PY20d	±HB3(9005)/H10/HIR1	19	12	6000	Cool White	1900	2	8	4
9006DWBRT-2HFB	4062172315999	P22d/PX22d	±HB4(9006)/HIR2	19	12	6000	Cool White	1900	2	8	4
9008DWBRT-2HFB	4062172316019	P26.4t	±H13(9008)	15/10	12	6000	Cool White	1500/1100	2	8	4

**LEDDriving® HL INTENSE NXT**

**OSRAM's highest performing LED retrofit lamps with up to +400% more brightness.<sup>4</sup>**



**Key features and benefits**

- Up to +400% more brightness<sup>4</sup>
- CANbus free<sup>5</sup>
- Top OSRAM technology provides optimized beam pattern
- Improved thermal management technology with integrated active cooling
- Premium OSRAM quality
- More light allows to recognize obstacles and hazards sooner
- Easy installation with wide range of suitable OSRAM accessories for installation
- Reduced glaring thanks to an optimized light distribution
- High-speed fan ensures maximized heat dissipation
- 5-year guarantee<sup>3</sup>

**LEDDriving® HL INTENSE NXT**

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUARANTEE (YEAR)
64193DWINN-2HB	4062172408158	P43t	±H4	42/40	12	6000	Cool White	3500/2500	2	8	5
64210DWINN-2HB	4062172408172	PX26d	±H7	42	12	6000	Cool White	4000	2	8	5

<sup>1</sup> Compared to minimum ECE R112 valid for H4/H19 and H7/H18. <sup>2</sup> Compared to halogen lamps. <sup>3</sup> For precise conditions please refer to osram.com/am-guarantee. <sup>4</sup> Compared to minimum ECE R112. <sup>5</sup> Applicable to plenty of car models.

**LEDDriving® HL ALLSEASON**

**OSRAM's first ALLSEASON LED retrofit lamp with switchable color temperature from 6000 K Cool White to 2700 K Warm White.**



**Key features and benefits**

- Switchable light color from Cool White to Warm White (from 6000 K to 2700 K)
- CANbus free<sup>1</sup>
- Top OSRAM technology provides optimized beam pattern
- Improved thermal management technology with integrated active cooling
- Premium OSRAM quality
- The daylight effect of the 6000 K makes obstacles and hazards more visible on the racetrack, the yellow light of the 2700 K improves visibility in fog, rain, snow, etc. and creates an old-fashioned look in classic cars
- No error messages in board computers<sup>1</sup>
- Reduced glaring thanks to an optimized light distribution
- High-speed fan ensures maximized heat dissipation
- 5-year guarantee<sup>2</sup>

**LEDDriving® HL ALLSEASON**

Product Reference	EAN	Icon	ECE	W	V	K	COLOR	lm	Icon	Icon	GUARANTEE (YEAR)
64193DWALL-2HB	4062172413305	P43t	±H4	44	12	6000/2700	Cool White/Warm White	4000/3500	2	8	5
64210DWALL-2HB	4062172413329	PX26d	±H7	45	12	6000/2700	Cool White/Warm White	4000	2	8	5

**LEDDriving® HL VINTAGE**

**High performing LED retrofit lamps with warm white light color for classic cars.**



**Key features and benefits**

- Warm White color temperature of 2700 K
- Very stable electric behavior even when installed on old electric
- Lower current absorption<sup>3</sup>
- No UV emission and very low operation temperature
- Premium OSRAM quality
- The precise halogen-like color temperature creates a perfect stylish old-fashioned look for your car
- Very stable light emission
- Reduced load on old electric cables
- No damaging or further aging of old headlights
- 4-year guarantee<sup>2</sup>

**LEDDriving® HL VINTAGE**

Product Reference	EAN	Icon	ECE	W	V	K	COLOR	lm	Icon	Icon	GUARANTEE (YEAR)
64150DWWNT-2MB	4062172384810	P14.5s	±H1	13	12	2700	Warm White	1200	2	8	4
64193DWWNT-2MB	4062172384834	P43t/PU43t-3/P45t	±H4/H19/R2	14/14	12	2700	Warm White	1400/1100	2	8	4
64210DWWNT-2MB	4062172384858	PX26d/PY26d-1	±H7/H18	18	12	2700	Warm White	1600	2	8	4

<sup>1</sup> Applicable to plenty of car models. <sup>2</sup> For precise conditions please refer to osram.com/am-guarantee. <sup>3</sup> Compared to halogen lamps.

# Learn more about OSRAM LEDDriving® replacement lamps<sup>1</sup>

## Frequently asked questions (FAQ)

**What are the benefits of LED lamps?**

LED lamps offer a multitude of advantages, including their distinctive cool white light, which gives cars a modern look. Thanks to their daylight effect, they ensure better visibility. More light allows to recognize obstacles and hazards sooner. In addition, they are characterized by their long lifetime and high energy efficiency compared to conventional lamps.

**What are the legal risks when using LEDDriving® replacement lamps?**

These products do not have ECE approval and must not be used on public roads in any exterior application. Public roads use leads to cancellation of operating license and loss of insurance coverage. Several countries forbid sale and use of these products. Please contact your local distributor for further information.

**Can LEDDriving® replacement lamps be used for RHD and LHD cars?**

Yes.

**Are the LEDDriving® HL lamps compatible with all headlight systems with conventional lamps?**

LEDDriving® HL high and low beam lamps do have limitations in terms of compatibility. Check osram.com/ledcheck for vehicle compatibility.

**Is replacing a traditional lamp with an LED difficult?**

All OSRAM LEDDriving® HL EASY as well as OSRAM LEDDriving® SL lamps are Plug & Play solutions. The other OSRAM LEDDriving® HL high and low beam replacement lamps e.g. LEDDriving® HL INTENSE NXT or LEDDriving® HL ALLSEASON can be easily installed with an adapter and/or caps.<sup>2</sup>

**Do I have to observe anything when handling LED lamps?**

LED lamps are significantly more robust than conventional lamps and are therefore easy to handle. You only have to avoid touching the LED chips as they are heat-sensitive.

<sup>1</sup> These products do not have ECE approval and must not be used on public roads in any exterior application. Public roads use leads to cancellation of operating license and loss of insurance coverage. Several countries forbid sale and use of these products. Please contact your local distributor for further information. <sup>2</sup> For specific Accessories please refer to our compatibility lists at osram.com/ledcheck. <sup>3</sup> For more information, please refer to the user instructions. <sup>4</sup> For precise conditions please refer to osram.com/am-guarantee.



**For every part of the car:<sup>1</sup>**

Suitable for various vehicle signal and interior light applications.



## 2 LEDriving® SL

**Quality you can count on**

OSRAM's LEDriving® signal lamps for front and back signal lighting make your car shine and contribute to the driver's safety by providing faster signals and increasing the reaction time of other drivers: available in cool white, amber and red color. From dome light to foot area, from glovebox to trunk the OSRAM LEDriving® interior LED lights create an attractive glow with an appealing contemporary touch.



**Very compact LED:**

Replacements for conventional auxiliary lamps.



**Guarantee:**

For precise conditions please refer to [osram.com/am-guarantee](http://osram.com/am-guarantee).<sup>2</sup>



**Various color versions:**

Available in 3 different colors.<sup>2</sup>

**LEDriving® SL**

**LED retrofit lamps with a modern and intense light for signal and interior applications.<sup>1</sup>**



**Key features and benefits**

- Replaces conventional interior and exterior auxiliary lamps
- Red, Yellow and Cool White color temperature of 6000 K
- Premium OSRAM quality
- Easy installation with optimized compatibility
- Better visibility in foggy situations with a perfect color match with xenon and LED headlights
- 4-year guarantee<sup>1</sup>

**LEDriving® SL**

Product Reference	EAN	Icon	ECE	W	V	K	COLOR	lm	Icon	Icon	Icon	GUARANTEE (YEAR)
6438DWP-1BL	4062172421089	SV8.5-8	△(29 mm)	0.75	12	6000	Cool White	55	1	5	4	4
6418DWP-1BL	4062172421195	SV8.5-8	△C5W (36 mm)	0.75	12	6000	Cool White	70	1	5	4	4
6413DWP-1BL	4062172421218	SV8.5-8	△(41 mm)	0.75	12	6000	Cool White	70	1	5	4	4
7528DWP-2BL	4062172401197	BAY15d	△P21/5W	1.7	12	6000	Cool White	145/30	2	10	4	4
7528DRP-2BL	4062172401319	BAY15d	△P21/5W	1.7	12	-	Red	100/10	2	10	4	4
7528DYP-2BL	4062172401333	BAY15d	△P21/5W	1.9	12	-	Yellow	55/10	2	10	4	4
7506DWP-2BL	4062172401210	BA15s	△P21W	1.4	12	6000	Cool White	160	2	10	4	4
7506DYP-2BL	4062172401357	BA15s	△P21W	1.3	12	-	Yellow	50	2	10	4	4
7506DRP-2BL	4062172401371	BA15s	△P21W	1.4	12	-	Red	100	2	10	4	4
7507DYP-2BL	4062172401517	BAU15s	△PY21W	1.3	12	-	Yellow	50	2	10	4	4
3893DWP-2BL	4062172401234	BA9s	△T4W	1	12	6000	Cool White	75	2	10	4	4
2825DWP-2BL	4062172401258	W2.1x9.5d	△W5W	1	12	6000	Cool White	70	2	20	4	4
2827DYP-2BL	4062172401654	W2.1x9.5d	△W5W	1	12	-	Yellow	7	2	10	4	4
2825DRP-2BL	4062172401692	W2.1x9.5d	△W5W	1	12	-	Red	15	2	10	4	4
5007DWP-2BL	4062172401272	BA15s	△R5W	0.5	12	6000	Cool White	50	2	10	4	4
5008DWP-2BL	4062172401296	BA15s	△R10W	1.2	12	6000	Cool White	125	2	10	4	4
921DWP-2BL	4062172401579	W2.1x9.5d	△W16W	2	12	6000	Cool White	280	2	10	4	4
921DRP-2BL	4062172401630	W2.1x9.5d	△W16W	1.4	12	-	Red	80	2	10	4	4
828DWP-2BL	4062172401432	PG18.5d-1	△P13W	1.8	12	6000	Cool White	130	1	10	4	4
5201DWP-2BL	4062172401456	PG20-1	△PS19W	1.8	12	6000	Cool White	140	1	10	4	4
7515DWP-2BL	4062172401494	W3x16q	△W21W/5W	1.7	12	6000	Cool White	155/25	2	10	4	4
7515DRP-2BL	4062172401531	W3x16q	△W21W/5W	1.7	12	-	Red	80/10	2	10	4	4
7515DYP-2BL	4052899520653	W3x16q	△W21W/5W	1.9	12	-	Yellow	55/10	2	10	4	4
7505DWP-2BL	4062172401555	W3x16d	△W21W	1.4	12	6000	Cool White	145	2	10	4	4
7505DYP-2BL	4062172401593	W3x16d	△W21W	1.3	12	-	Yellow	55	2	10	4	4
7505DRP-2BL	4062172401616	W3x16d	△W21W	1.4	12	-	Red	60	2	10	4	4
7504DYP-2BL	4062172401739	WX3x16d	△WY21W	1.4	12	-	Yellow	55	2	10	4	4
3157DWP-2BL	4062172401753	W2.5x16q	△P27/7W	1.7	12	6000	Cool White	145/30	2	10	4	4
3157DRP-2BL	4062172401777	W2.5x16q	△P27/7W	1.7	12	-	Red	60/10	2	10	4	4
3157DYP-2BL	4062172401791	W2.5x16q	△P27/7W	1.9	12	-	Yellow	55/10	2	10	4	4
2723DWP-2BL	4062172401838	W2x4.6d	△T5 (W2.3W)	0.25	12	6000	Cool White	25	2	10	4	4
2604DWP-1BL	4062172401852	PG20-7	△PSX24W	6.7	12	6000	Cool White	730	1	10	4	4

<sup>1</sup> Please check for the concrete applications. <sup>2</sup> Please check for the concrete types.

<sup>1</sup> For precise conditions please refer to [osram.com/am-guarantee](http://osram.com/am-guarantee).



**Improved visibility:<sup>1</sup>**

More light allows to see farther and therefore react sooner.



## 3 LEDriving® HLM

**Maximum visibility**

The OSRAM LEDriving® forward lighting lamps for motorcycles open up new options for adapting motorcycle lighting to individual requirements with innovative light sources. The OSRAM LEDriving® HLM EASY GEN 2 and LEDriving® HLM EASY LED lamps offer high efficiency, performance and design. Having the right lighting plays an important role in safety, especially for motorcycles and scooters. In the dark, motorcycles are more difficult to see than cars and motorcyclists need 100% reliable lighting that ensures optimum illumination of the road and extend the time available to react.



**Very compact LED:**

Replacements for conventional auxiliary lamps.



**Easy Plug & Play installation:**

Allowing a high compatibility and an easy installation.



**Cool White:**

Color temperature of up to 6500 K.<sup>2</sup> Better visibility thanks to daylight effect.

<sup>1</sup> Compared to minimum ECE R112. <sup>2</sup> Please check for the concrete types.

**LEDriving® HLM EASY GEN 2**



**Socket design Plug & Play LED retrofit lamps with optimized compatibility and up to +120% more brightness.<sup>1</sup>**

**Key features and benefits**

- Up to +120% more brightness<sup>1</sup>
- Ultra compact LED replacement for conventional high and low beam lamps as socket solution
- Optimized high-speed fan ensures active cooling
- Cool White color temperature of 6500 K
- Longer lifetime<sup>2</sup>
- More light allows to recognize obstacles and hazards sooner
- Easy Plug & Play installation with optimized compatibility
- Higher performance and high-level light output thanks to maximized heat dissipation
- Better visibility thanks to daylight effect
- More durability due to LED technology

**LEDriving® HLM EASY GEN 2**

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUARANTEE (YEAR)
64193DWESY2-1HB	4062172420327	P43t/PU43t-3	≧H4/H19	24/22	12	6500	Cool White	1800/1400	1	5	-
64210DWESY2-1HB	4062172420341	PX26d/PY26d-1	≧H7/H18	16	12	6500	Cool White	2000	1	5	-

**LEDriving® HLM EASY**



**High and low beam socket design Plug & Play LED retrofit lamps for motorcycles.**

**Key features and benefits**

- Compact Plug & Play design
- Cool White color temperature of 6000 K
- Superior brightness
- Optimized high-speed fan ensures active cooling
- Longer lifetime<sup>2</sup>
- Easy Plug & Play installation
- Better visibility thanks to daylight effect
- More light allows to recognize obstacles and hazards sooner
- Higher performance and high-level light output thanks to maximized heat dissipation
- More durability due to LED technology

**LEDriving® HLM EASY**

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUARANTEE (YEAR)
64185DWESY-1HB	4062172399869	PX43t	≧HS1	5.5/5	12	6000	Cool White	650/500	1	5	-
7335DWESY-1HB	4062172399883	P15d-25-1	≧T19 (M5)	5.5/4.5	12	6000	Cool White	600/500	1	5	-

<sup>1</sup> Compared to minimum ECE R112. <sup>2</sup> Compared to halogen lamps.



**Easy installation:**

A wide range of accessories offered by OSRAM for an easy installation and compatibility. For error-free or even flicker-free operation of LED lamps.



**LEDDriving® ADAPTER**

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



**Key features and benefits**

- Fixes H7-LED lamps
- Fits for vehicles types with H7 adapter
- Tight manufacturing tolerances for correct position of the H7-LED lamp
- 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 guarantee<sup>1</sup>

**LEDDriving® ADAPTER**

Product Reference	EAN		ECE	W	V	K		lm			GUARANTEE (YEAR)
64210DA01	4062172160384	-	H7 LED	-	-	-	-	-	2	20	3
64210DA01-1	4062172206532	-	H7 LED	-	-	-	-	-	2	20	3
64210DA02	4062172160414	-	H7 LED	-	-	-	-	-	2	20	3
64210DA03	4062172183840	-	H7 LED	-	-	-	-	-	2	20	3
64210DA03-1	4062172201872	-	H7 LED	-	-	-	-	-	2	20	3
64210DA04	4062172175029	-	H7 LED	-	-	-	-	-	2	20	3
64210DA05	4062172233170	-	H7 LED	-	-	-	-	-	2	20	3
64210DA06	4062172183932	-	H7 LED	-	-	-	-	-	2	20	3
64210DA06-1	4062172201902	-	H7 LED	-	-	-	-	-	2	20	3
64210DA07	4062172233835	-	H7 LED	-	-	-	-	-	2	20	3
64210DA08	4062172242745	-	H7 LED	-	-	-	-	-	2	20	3
64210DA09	4062172360203	-	H7 LED	-	-	-	-	-	2	20	3
64210DA10	4062172360234	-	H7 LED	-	-	-	-	-	2	20	3

## 4 LEDDriving® Accessories

**Easy upgrade, essential benefits**

Convert from halogen to LED with original OSRAM accessories: LEDDriving® ADAPTER, LEDDriving® SMART CANBUS, LEDDriving® CAPs and LEDDriving® ERROR CANCELER that make the installation easy and error message free.<sup>1</sup>



**Robust and resistant:**  
For a durable application.



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



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

<sup>1</sup> Only the combination of OSRAM LED lamps in conjunction with the official OSRAM accessories – LEDDriving® ADAPTER, LEDDriving® SMART CANBUS, LEDDriving® CAPs and LEDDriving® ERROR CANCELER is approved for the operation of our LED lamps.

<sup>1</sup> For precise conditions please refer to [osram.com/am-guarantee](http://osram.com/am-guarantee).

**LEDriving® CAP**

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



**Key features and benefits**

- Enables the installation of the H7-LED lamps
- Mechanical fit and protects headlight system
- System component for H7-LED installation
- Replacement of original cap
- Enjoy the benefits of LED lighting

**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	-
LEDCAP10	4062172325912	Carspecific	Renault Scenic 3 (pre-facelift)	-	-	-	-	-	2	8	-
LEDCAP11	4062172325981	Carspecific	Peugeot 308 (L II)	-	-	-	-	-	2	8	-
LEDCAP12	4062172326070	Carspecific	Ford Transit/Tourneo (Custom)	-	-	-	-	-	2	8	-

**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.



**Key features and benefits**

- Error message and flicker free
- Individual vehicle testing approved by official authorities (KBA)
- Robust component
- 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 guarantee<sup>1</sup>

**LEDriving® ERROR CANCELER**

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

<sup>1</sup> For precise conditions please refer to osram.com/am-guarantee.

**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.



**Key features and benefits**

- Error message free
- Individual vehicle testing approved by official authorities (KBA)
- High-quality aluminum housing and black anodized surface with IP protection class IP54
- 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 guarantee<sup>1</sup>

**LEDriving® SMART CANBUS**

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUAR-ANTEE (YEAR)
LEDSC01-2HFB	4062172176439	PX26D	H7 LED	12	12	-	-	-	2	4	3
LEDSC02-1-2HFB	4062172176460	Carspecific	H7 LED	16	12	-	-	-	2	4	3
LEDSC03-2HFB	4062172176491	Carspecific	H7 LED	12	12	-	-	-	2	4	3
LEDSC03-1-2HFB	4062172278249	Carspecific	H7 LED	12	12	-	-	-	2	4	3
LEDSC04-2HB	4062172400725	P(U)43T	H4/H19 LED	15	12	-	-	-	2	4	3
LEDSC05-2HB	4062172400756	PGJ19-X	H8/H9/H11/H16 LED	15	12	-	-	-	2	4	3
LEDSC06-2HB	4062172400787	P(Y)20/22D	H10/HB3/HB4 LED	15	12	-	-	-	2	4	3

**LEDriving® SMART CANBUS UNIT**

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



**Key features and benefits**

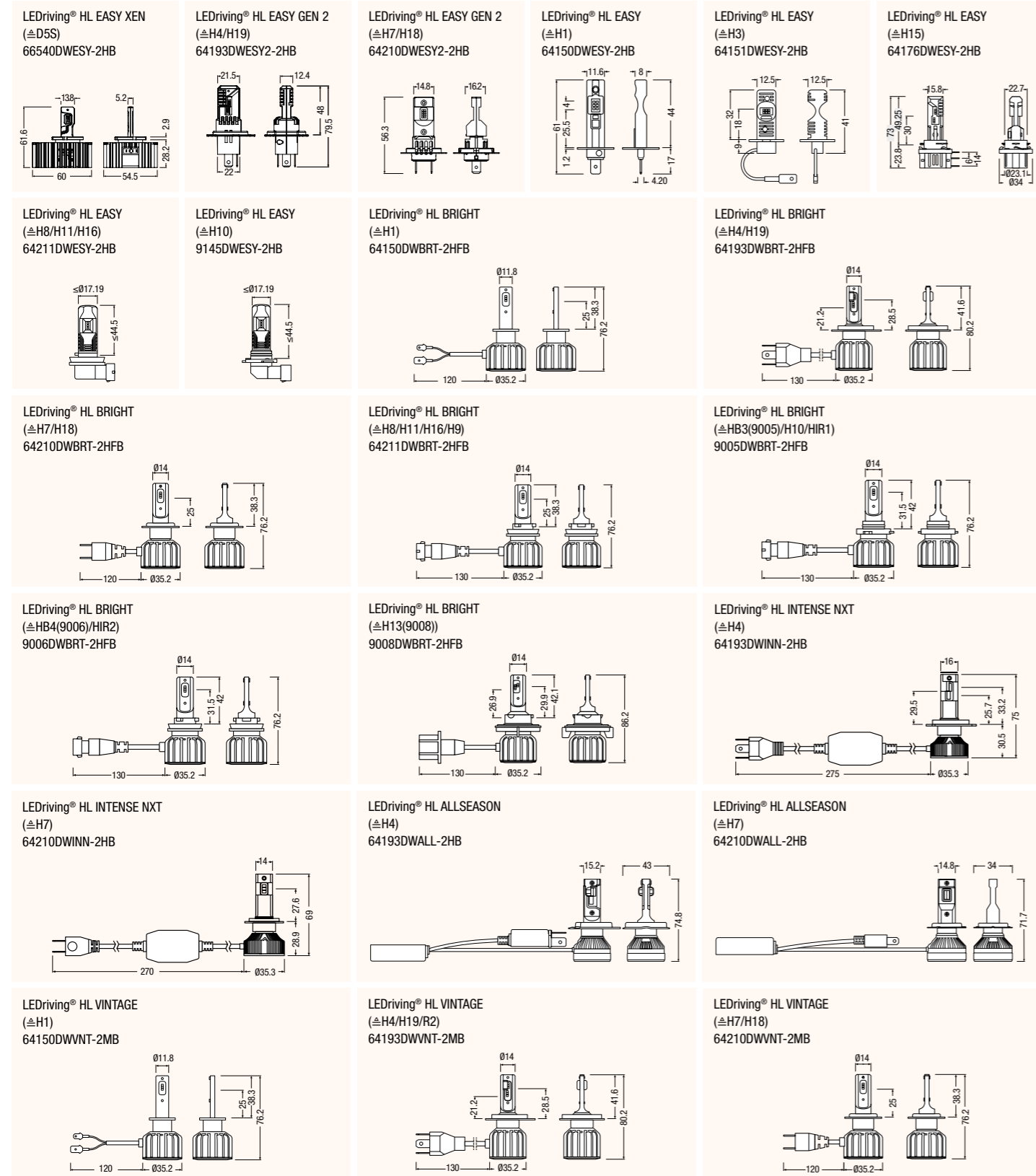
- Error free - Prevents error messages in board computers during failure detection
- Click connection thanks to faston terminals with fix wiretap connectors
- Individual vehicle testing approved by official authorities (KBA)
- Robust component
- Enjoy full benefits of your LED upgrade by replacing your 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 guarantee<sup>1</sup>

**LEDriving® CANBUS CONTROL UNIT**

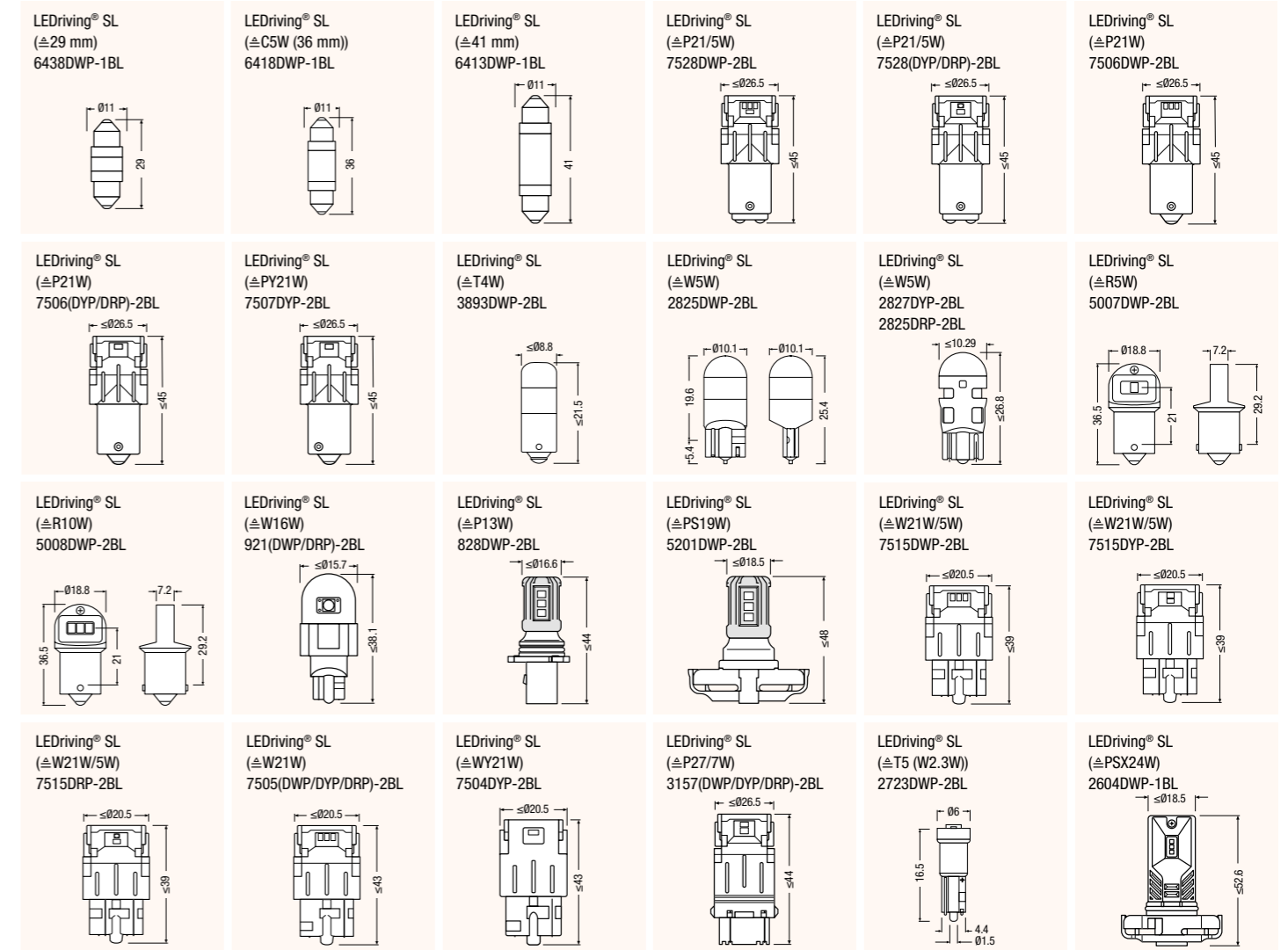
Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUAR-ANTEE (YEAR)
LEDCCU01-2HFB	4052899090873	Universal	4W/5W LED	5	12	-	-	-	2	20	3
LEDCCU02-2HFB	4052899301993	Universal	21W LED	21	12	-	-	-	2	20	3

<sup>1</sup> For precise conditions please refer to osram.com/am-guarantee.

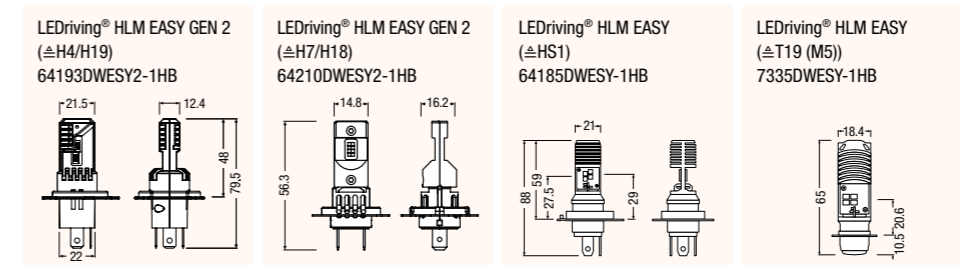
**Measurements**  
**LEDiving® HL**



**Measurements**  
**LEDiving® SL**



**Measurements**  
**LEDiving® HLM**

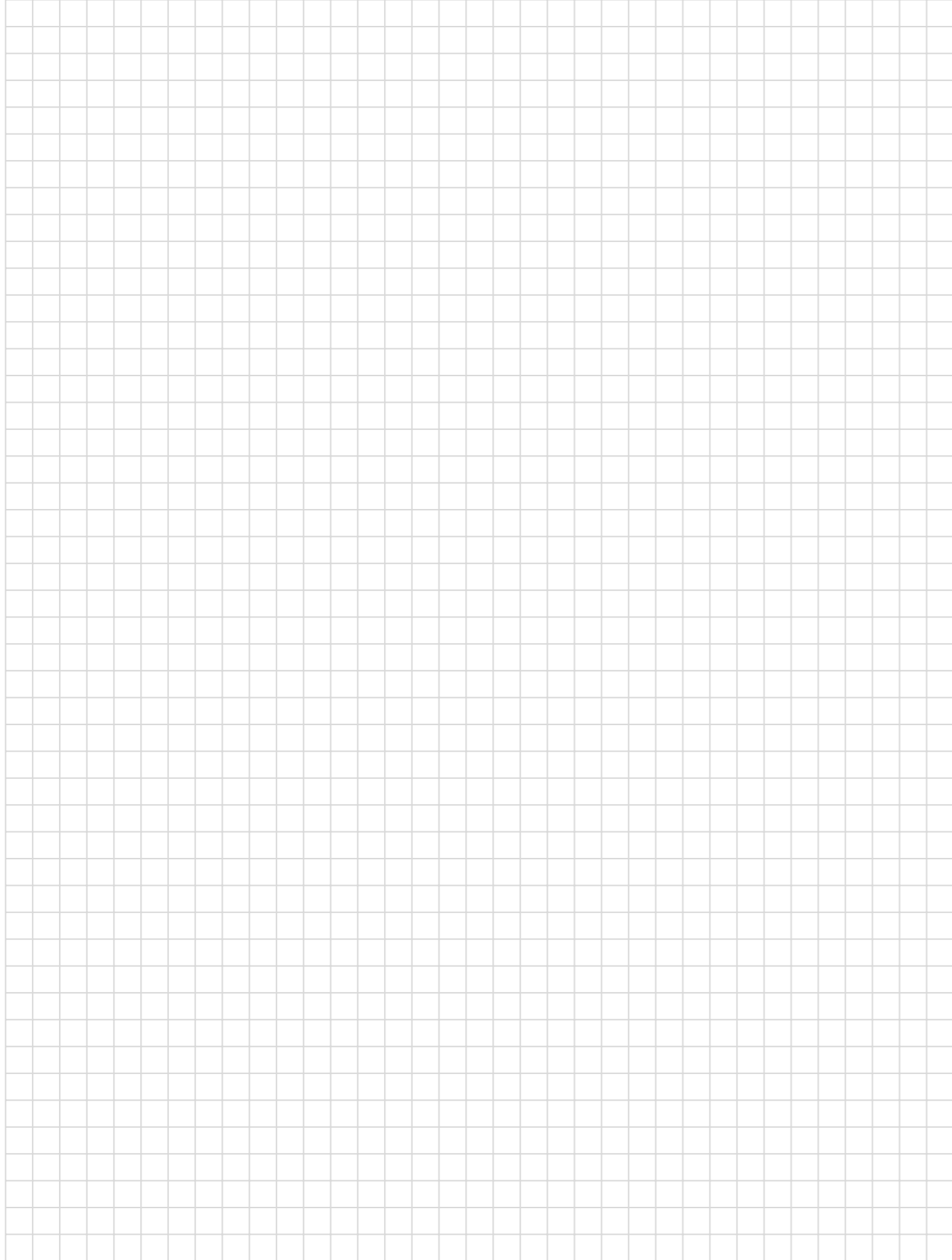


**Measurements**  
**LEDiving® ACCESSORIES**

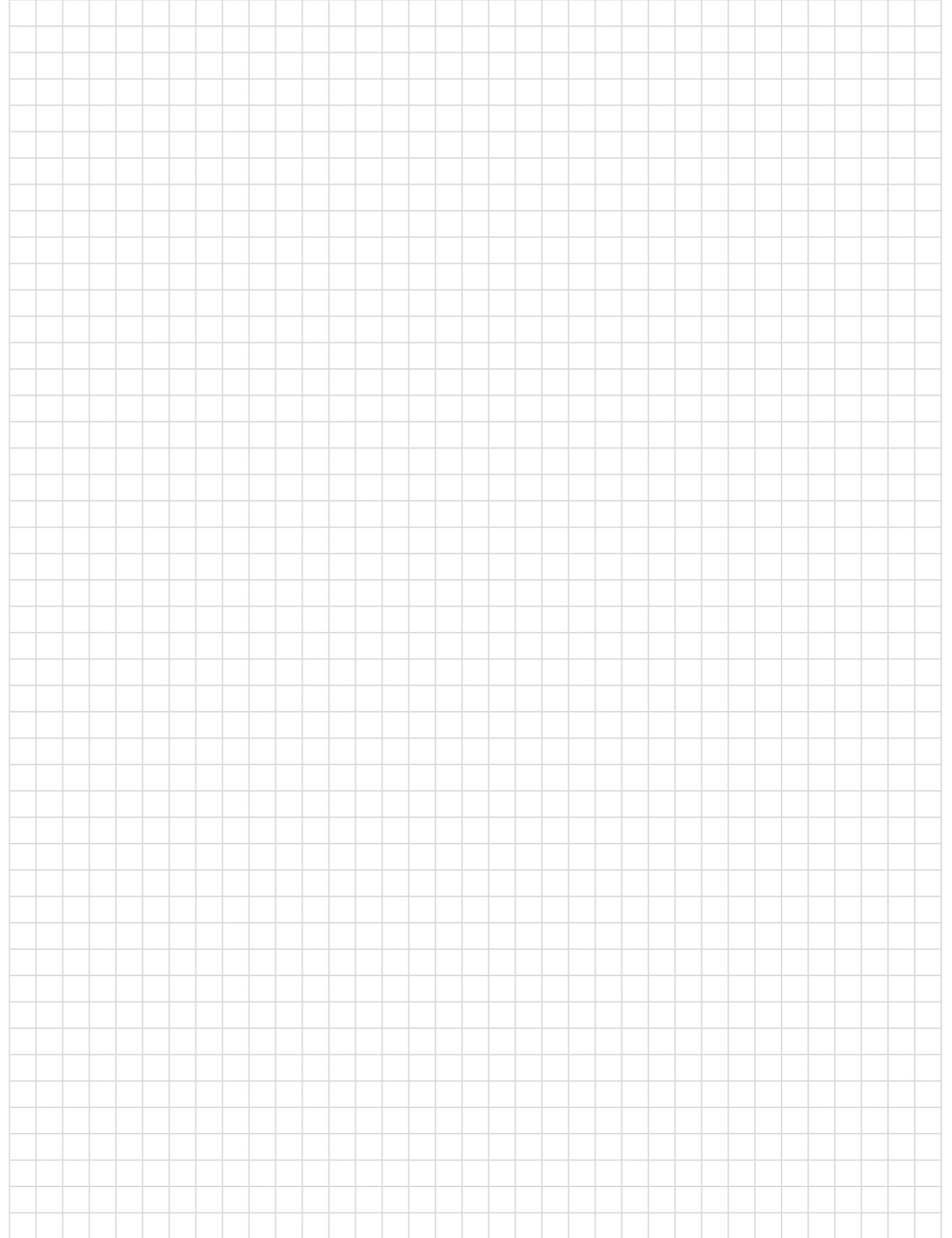
<p>LEDiving® ADAPTER (H7 LED) 64210DA01</p>	<p>LEDiving® ADAPTER (H7 LED) 64210DA01-1</p>	<p>LEDiving® ADAPTER (H7 LED) 64210DA02</p>	<p>LEDiving® ADAPTER (H7 LED) 64210DA03</p>	<p>LEDiving® ADAPTER (H7 LED) 64210DA03-1</p>	<p>LEDiving® ADAPTER (H7 LED) 64210DA04</p>
<p>LEDiving® ADAPTER (H7 LED) 64210DA05</p>	<p>LEDiving® ADAPTER (H7 LED) 64210DA06</p>	<p>LEDiving® ADAPTER (H7 LED) 64210DA06-1</p>	<p>LEDiving® ADAPTER (H7 LED) 64210DA07</p>		
<p>LEDiving® ADAPTER (H7 LED) 64210DA08</p>	<p>LEDiving® ADAPTER (H7 LED) 64210DA09</p>	<p>LEDiving® ADAPTER (H7 LED) 64210DA10</p>			
<p>LEDiving® CAP (VW Passat B7) LEDCAP01</p>	<p>LEDiving® CAP (Ford Focus MK4) LEDCAP02</p>	<p>LEDiving® CAP (Audi A1) LEDCAP03</p>	<p>LEDiving® CAP (VW T-cross) LEDCAP04</p>	<p>LEDiving® CAP (Hyundai ix20) LEDCAP06</p>	<p>LEDiving® CAP (Opel Zafira C-Tourer &amp; Astra J) LEDCAP07</p>
<p>LEDiving® CAP (Skoda Octavia) LEDCAP08</p>	<p>LEDiving® CAP (Peugeot 208 Facelift) LEDCAP09</p>	<p>LEDiving® CAP (Renault Scenic 3 (pre-facelift)) LEDCAP10</p>	<p>LEDiving® CAP (Peugeot 308 (L II)) LEDCAP11</p>	<p>LEDiving® CAP (Ford Transit/Tourneo (Custom)) LEDCAP12</p>	
<p>LEDiving® ERROR CANCELER (H7 LED) LEDEC02-2HB</p>					

<p>LEDiving® SMART CANBUS (H7 LED) LEDSC01-2HFB</p>	<p>LEDiving® SMART CANBUS (H7 LED) LEDSC02-1-2HFB</p>	<p>LEDiving® SMART CANBUS (H7 LED) LEDSC03-2HFB</p>
<p>LEDiving® SMART CANBUS (H7 LED) LEDSC03-1-2HFB</p>	<p>LEDiving® SMART CANBUS (H4/H19 LED) LEDSC04-2HB</p>	<p>LEDiving® SMART CANBUS (H8/H9/H11/H16 LED) LEDSC05-2HB</p>
<p>LEDiving® SMART CANBUS (H10/HB3/HB4 LED) LEDSC06-2HB</p>	<p>LEDiving® CANBUS CONTROL UNIT (4W/5W LED) LEDCCU01-2HFB</p>	<p>LEDiving® CANBUS CONTROL UNIT (21W LED) LEDCCU02-2HFB</p>

My Notes



My Notes



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