



## 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**

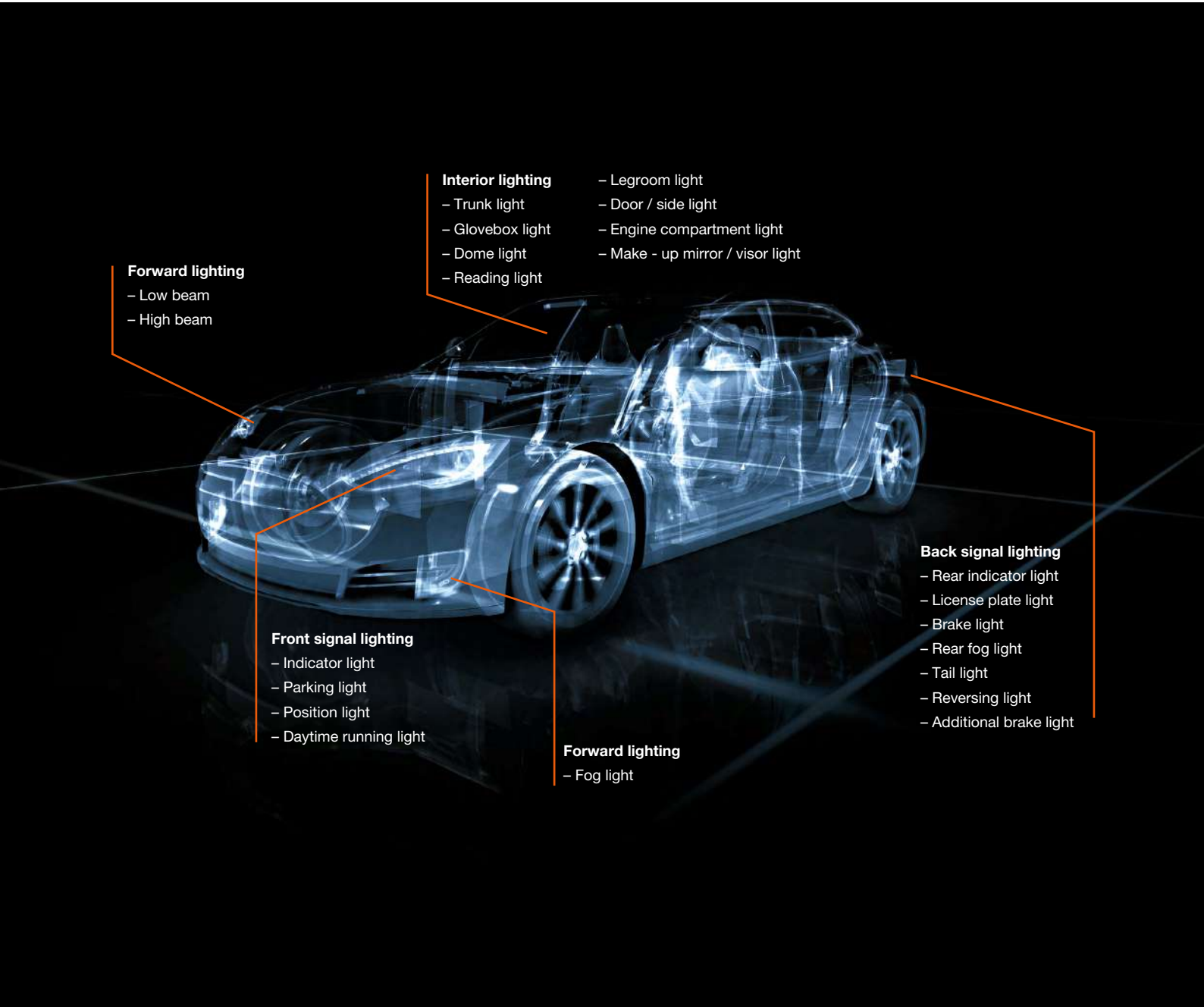


**100** YEARS  
**OSRAM**  
AUTOMOTIVE

# 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.



**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](http://www.osram.com/am-guarantee) or scan the QR code.

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 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.

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# 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.



**Cool White:**  
Color temperature of up to 6 500 K.<sup>2</sup> Better visibility thanks to daylight effect.



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

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

## LEDriving® HL EASY XEN



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

- Features**

  - 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
- Benefits**

  - 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

### LEDriving® HL EASY XEN

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

<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.

LEDriving® HL  
EASY GEN 2

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



Features

- 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 6 500 K
- Longer lifetime<sup>2</sup>

Benefits

- 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

LEDriving® HL EASY GEN 2

Product Reference	EAN		ECE	W	V	K		lm			GUAR-ANTEE (YEAR)
64193DWESY2-2HB	4062172 <b>406918</b>	P43t/PU43t-3	△H4/H19	24/22	12	6500	Cool White	1800/1400	2	10	-
64210DWESY2-2HB	4062172 <b>406932</b>	PX26d/PY26d-1	△H7/H18	16	12	6500	Cool White	2000	2	10	-

LEDriving® HL  
EASY

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



Features

- 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 6 500 K<sup>3</sup>
- Superior brightness
- Longer lifetime<sup>2</sup>

Benefits

- 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

LEDriving® HL EASY

Product Reference	EAN		ECE	W	V	K		lm			GUAR-ANTEE (YEAR)
64150DWESY-2HB	4062172 <b>398039</b>	P14.5s	△H1	9	12	6500	Cool White	1100	2	10	-
64151DWESY-2HB	4062172 <b>398053</b>	PK22s	△H3	8	12	6500	Cool White	900	2	10	-
64193DWESY-2HB	4062172 <b>398077</b>	P43t/PU43t-3	△H4/H19	19/19	12	6500	Cool White	1400/1150	2	10	-
64210DWESY-2HB	4062172 <b>398091</b>	PX26d/PY26d-1	△H7/H18	16	12	6500	Cool White	1400	2	10	-
64176DWESY-2HB	4062172 <b>398350</b>	PGJ23t-1	△H15	17/4	12	6500	Cool White	1250/250	2	10	-
64211DWESY-2HB	4062172 <b>401890</b>	PGJ19-1/2/3	△H8/H11/H16	8.2	12	6000	Cool White	720	2	10	-
9145DWESY-2HB	4062172 <b>401913</b>	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.

LEDriving® HL  
BRIGHT

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



Features

- Up to +300% more brightness<sup>1</sup>
- Multi-compatible smart reference ring ensures a very compact LED replacement for a wide range of conventional high and low beam lamps
- Cool White color temperature of 6 000 K
- Up to 5 times more lifetime<sup>2</sup>
- Premium OSRAM quality

Benefits

- 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>

LEDriving® HL BRIGHT

Product Reference	EAN		ECE	W	V	K		lm			GUAR-ANTEE (YEAR)
64150DWBRT-2HFB	4062172 <b>315579</b>	P14.5s	△H1	13	12	6000	Cool White	1500	2	8	4
64193DWBRT-2HFB	4062172 <b>315913</b>	P43t/PU43t-3	△H4/H19	15/15	12	6000	Cool White	1400/1100	2	8	4
64210DWBRT-2HFB	4062172 <b>315937</b>	PX26d/PY26d-1	△H7/H18	19	12	6000	Cool White	1700	2	8	4
64211DWBRT-2HFB	4062172 <b>315951</b>	PGJ19-2/PGJ19-5/PGJ19-1/PGJ19-3	△H8/H11/H16/H9	19	12	6000	Cool White	1900	2	8	4
9005DWBRT-2HFB	4062172 <b>315975</b>	P20d/PX20d /PY20d	△HB3(9005)/H10/HIR1	19	12	6000	Cool White	1900	2	8	4
9006DWBRT-2HFB	4062172 <b>315999</b>	P22d/PX22d	△HB4(9006)/HIR2	19	12	6000	Cool White	1900	2	8	4
9008DWBRT-2HFB	4062172 <b>316019</b>	P26.4t	△H13(9008)	15/10	12	6000	Cool White	1500/1100	2	8	4

LEDriving® HL  
INTENSE NXT

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



Features

- 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

Benefits

- 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 for more powerful performances
- 5-year guarantee<sup>3</sup>

LEDriving® HL INTENSE NXT

Product Reference	EAN		ECE	W	V	K		lm			GUAR-ANTEE (YEAR)
64193DWINN-2HB	4062172 <b>408158</b>	P43t	△H4	42/40	12	6000	Cool White	3500/2500	2	8	5
64210DWINN-2HB	4062172 <b>408172</b>	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 [www.osram.com/am-guarantee](http://www.osram.com/am-guarantee).

<sup>4</sup> Compared to minimum ECE R112. <sup>5</sup> Applicable to plenty of car models.

LEDriving® HL  
ALLSEASON



OSRAM's first ALLSEASON LED retrofit lamp with switchable color temperature from 6 000 K Cool White to 2 700 K Warm White.

Features

- Switchable light color from Cool White to Warm White (from 6 000 K to 2 700 K)
- CANbus free<sup>1</sup>
- Top OSRAM technology provides optimized beam pattern
- Improved thermal management technology with integrated active cooling
- Premium OSRAM quality

Benefits

- The daylight effect of the 6 000 K makes obstacles and hazards more visible on the race track, the yellow light of the 2 700 K improves visibility in poor weather conditions (fog, rain, snow, etc.) and creates a stylish 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 for more powerful performances
- 5-year guarantee<sup>2</sup>

LEDriving® HL ALLSEASON

Product Reference	EAN		ECE	W	V	K	COLOR	lm			GUAR-ANTEE (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

LEDriving® HL  
VINTAGE



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

Features

- Warm White color temperature of 2 700 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

Benefits

- 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>

LEDriving® HL VINTAGE

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

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

Frequently asked questions (FAQ)

1

**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.

2

**What are the legal risks when using LEDriving® 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.

3

**Can LEDriving® replacement lamps be used for RHD and LHD cars?** Yes.

4

**Are the LEDriving® HL lamps compatible with all headlight systems with conventional lamps?** LEDriving® HL high and low beam lamps do have limitations in terms of compatibility. Check [www.osram.com/ledcheck](http://www.osram.com/ledcheck) for vehicle compatibility.

5

**Is replacing a traditional lamp with an LED difficult?** All OSRAM LEDriving® HL EASY as well as OSRAM LEDriving® SL lamps are Plug & Play solutions. The other OSRAM LEDriving® HL high and low beam replacement lamps f.e. LEDriving® HL INTENSE NXT or LEDriving® HL ALLSEASON can be easily installed with an adapter and/or caps.<sup>2</sup>

6

**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.

7

**The LED lamp does not turn on after installation. How do I fix this problem?** Check the lamp's polarity and its contacts for corrosion. If your LED lamp does not turn on, you probably need to:

- Remove the LED lamp from the housing
- Rotate the lamp by 180°
- Put it back in the housing
- Make sure the LED is on<sup>3</sup>

8

**What are the specific benefits of LEDriving® replacement lamps?** In addition to the general advantages of LED lamps, LEDriving® replacement lamps provide benefits that you only find at OSRAM:

- OSRAM quality control
- Longer lifetime thanks to optimized heat management systems
- OSRAM guarantee<sup>4</sup>
- Continuous high-performance light output
- High color temperature & homogeneous light distribution
- Perfect fit
- Easy Plug & Play installation
- Easy-to-reach customer service

<sup>1</sup> Applicable to plenty of car models. <sup>2</sup> For precise conditions please refer to [www.osram.com/am-guarantee](http://www.osram.com/am-guarantee). <sup>3</sup> Compared to halogen lamps.

<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 [www.osram.com/ledcheck](http://www.osram.com/ledcheck). <sup>3</sup> For more information, please refer to the user instruction. <sup>4</sup> For precise conditions please refer to [www.osram.com/am-guarantee](http://www.osram.com/am-guarantee).





## 2 LEDDriving® SL

Quality you can count on

OSRAM’s LEDDriving® 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 LEDDriving® interior LED lights create an attractive glow with an appealing contemporary touch.

**Very compact LED:**  
Replacements for conventional auxiliary lamps.

**Various color versions:**  
Available in 3 different colors.<sup>2</sup>

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

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

### LEDRIVING® SL

LED retrofit lamps with a modern and intense light for signal and interior applications.



- Features**

  - Replaces conventional interior and exterior auxiliary lamps
  - Red, Yellow and Cool White color temperature of 6 000 K
  - Premium OSRAM quality
- Benefits**

  - 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		ECE	W	V	K	COLOR	lm			GUARANTEE (YEAR)
6438DWP-1BL	4062172401135	SV8.5-8	△C5W (31 mm)	1	12	6000	Cool White	45	1	5	4
6418DWP-1BL	4062172401159	SV8.5-8	△C5W (36 mm)	0.6	12	6000	Cool White	45	1	5	4
6413DWP-1BL	4062172401173	SV8.5-8	△C5W (41 mm)	0.6	12	6000	Cool White	45	1	5	4
7528DWP-2BL	4062172401197	BAY15d	△P21/5W	1.7	12	6000	Cool White	145/30	2	10	4
7528DRP-2BL	4062172401319	BAY15d	△P21/5W	1.7	12	-	Red	100/10	2	10	4
7528DYP-2BL	4062172401333	BAY15d	△P21/5W	1.9	12	-	Yellow	55/10	2	10	4
7506DWP-2BL	4062172401210	BA15s	△P21W	1.4	12	6000	Cool White	160	2	10	4
7506DYP-2BL	4062172401357	BA15s	△P21W	1.3	12	-	Yellow	50	2	10	4
7506DRP-2BL	4062172401371	BA15s	△P21W	1.4	12	-	Red	100	2	10	4
7507DYP-2BL	4062172401517	BAU15s	△PY21W	1.3	12	-	Yellow	50	2	10	4
3893DWP-2BL	4062172401234	BA9s	△T4W	1	12	6000	Cool White	75	2	10	4
2825DWP-2BL	4062172401258	W2.1x9.5d	△W5W	1	12	6000	Cool White	70	2	20	4
2827DYP-2BL	4062172401654	W2.1x9.5d	△W5W	1	12	-	Yellow	7	2	10	4
2825DRP-2BL	4062172401692	W2.1x9.5d	△W5W	1	12	-	Red	15	2	10	4
5007DWP-2BL	4062172401272	BA15s	△R5W	0.5	12	6000	Cool White	50	2	10	4
5008DWP-2BL	4062172401296	BA15s	△R10W	1.2	12	6000	Cool White	125	2	10	4
921DWP-2BL	4062172401579	W2.1x9.5d	△W16W	2	12	6000	Cool White	280	2	10	4
921DRP-2BL	4062172401630	W2.1x9.5d	△W16W	1.4	12	-	Red	80	2	10	4
828DWP-2BL	4062172401432	PG18.5d-1	△P13W	1.8	12	6000	Cool White	130	1	10	4
5201DWP-2BL	4062172401456	PG20-1	△PS19W	1.8	12	6000	Cool White	140	1	10	4
7515DWP-2BL	4062172401494	W3x16q	△W21W/5W	1.7	12	6000	Cool White	155/25	2	10	4
7515DRP-2BL	4062172401531	W3x16q	△W21W/5W	1.7	12	-	Red	80/10	2	10	4
7515DYP-2BL	4052899520653	W3x16q	△W21W/5W	1.9	12	-	Yellow	55/10	2	10	4
7505DWP-2BL	4062172401555	W3x16d	△W21W	1.4	12	6000	Cool White	145	2	10	4
7505DYP-2BL	4062172401593	W3x16d	△W21W	1.3	12	-	Yellow	55	2	10	4
7505DRP-2BL	4062172401616	W3x16d	△W21W	1.4	12	-	Red	60	2	10	4
7504DYP-2BL	4062172401739	WX3x16d	△WY21W	1.4	12	-	Yellow	55	2	10	4
3157DWP-2BL	4062172401753	W2.5x16q	△P27/7W	1.7	12	6000	Cool White	145/30	2	10	4
3157DRP-2BL	4062172401777	W2.5x16q	△P27/7W	1.7	12	-	Red	60/10	2	10	4
3157DYP-2BL	4062172401791	W2.5x16q	△P27/7W	1.9	12	-	Yellow	55/10	2	10	4
2723DWP-2BL	4062172401838	W2x4.6d	△T5 (W2.3W)	0.25	12	6000	Cool White	25	2	10	4
2604DWP-1BL	4062172401852	PG20-7	△PSX24W	6.7	12	6000	Cool White	730	1	10	4

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



### 3 LEDDriving® HLM

Maximum visibility

The OSRAM LEDDriving® forward lighting lamps for motorcycles open up new options for adapting motorcycle lighting to individual requirements with innovative light sources. The OSRAM LEDDriving® 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 high and low beam lamps.



**Cool White:**  
Color temperature of up to 6 500 K.<sup>2</sup> Better visibility thanks to daylight effect.



**Easy Plug & Play installation:**  
Allowing a high compatibility and an easy installation.

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

### LEDRIVING® HLM EASY

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



- Features**

  - Compact Plug & Play design
  - Cool White color temperature of up to 6 500 K<sup>1</sup>
  - Superior brightness
  - Optimized high-speed fan ensures active cooling
  - Longer lifetime<sup>2</sup>
- Benefits**

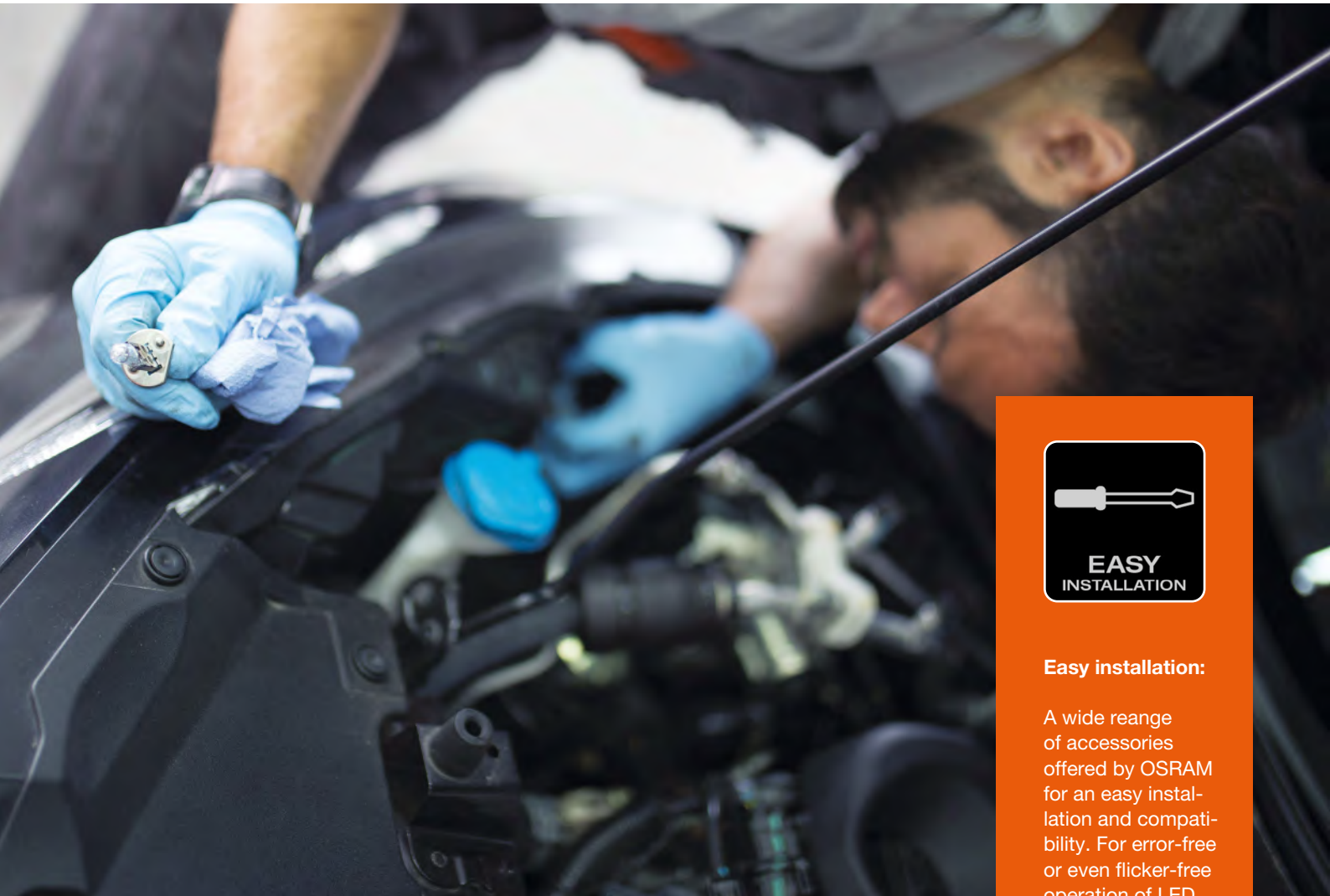
  - Easy Plug & Play installation
  - Better visibility thanks to daylight effect
  - More light allows to recognize obstacles and hazards sooner
  - Higher performance and high-level light output thanks to maximized heat dissipation
  - More durability due to LED technology

#### LEDRIVING® HLM EASY

Product Reference	EAN		ECE	W	V	K	COLOR	lm				GUARANTEE (YEAR)
64193DWESY-1HB	4062172399821	P43t/PU43t-3	△H4/H19	19/19	12	6500	Cool White	1400/1100	1	5	-	
64210DWESY-1HB	4062172399845	PX26d/PY26d-1	△H7/H18	16	12	6500	Cool White	1400	1	5	-	
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> Please check for the concrete types. <sup>2</sup> Compared to halogen lamps.





Easy installation:

A wide reange of accessories offered by OSRAM for an easy instal-lation and compati-bility. For error-free or even flicker-free operation of LED lamps.

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.<sup>1</sup>

**Robust and resistant:**

For a durable application.

**Error message free:**

Potential error messages on vehicle dashboards are avoided.

**Guarantee:**

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

<sup>1</sup> 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.

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 guarantee<sup>1</sup>

LEDriving® ADAPTER

Product Reference	EAN		ECE	W	V	K		lm				GUAR- ANTEE (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	

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



LEDDriving®  
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 guarantee<sup>1</sup>

LEDDriving® CAP

Product Reference	EAN		ECE	W	V	K		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	-

LEDDriving®  
ERROR CANCELER

Some vehicles report a fault in the exterior lighting when LED lamps are used. With the OSRAM LEDDriving® 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 guarantee<sup>1</sup>

LEDDriving® ERROR CANCELER LEDEC02

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

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

LEDDriving®  
SMART CANBUS

Some vehicles report a fault in the exterior lighting when LED lamps are used. With the OSRAM LEDDriving® 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 guarantee<sup>1</sup>

LEDDriving® SMART CANBUS

Product Reference	EAN		ECE	W	V	K		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

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

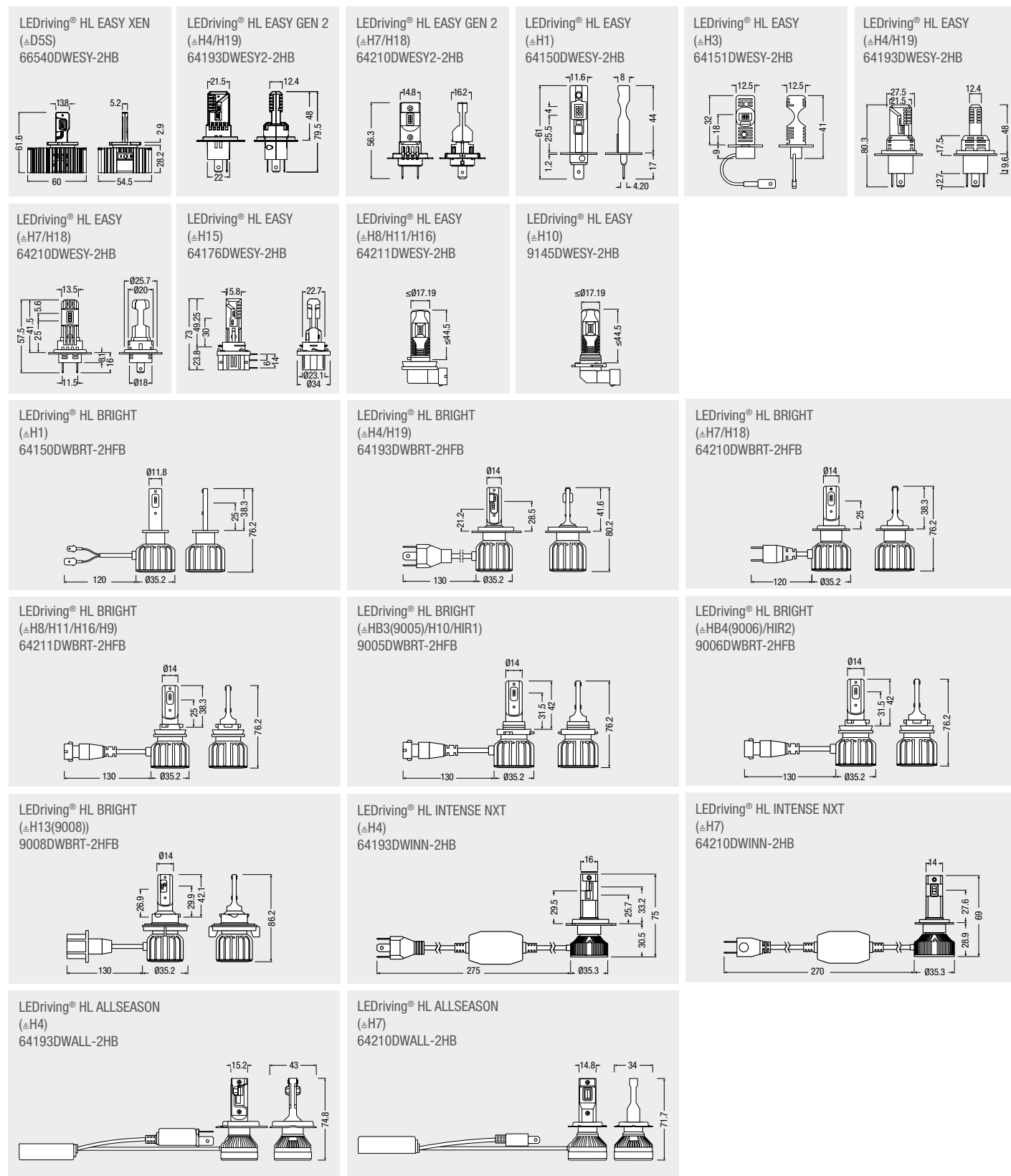
- Enjoy full benefits of your LED upgrade by replacing your conventional lamps
- Removable installation by fixed clips
- Convert from halogen lamps to LED lamps with original OSRAM accessories
- Proven OSRAM quality for greater customer satisfaction with a 3-year guarantee<sup>1</sup>

LEDDriving® CANBUS CONTROL UNIT

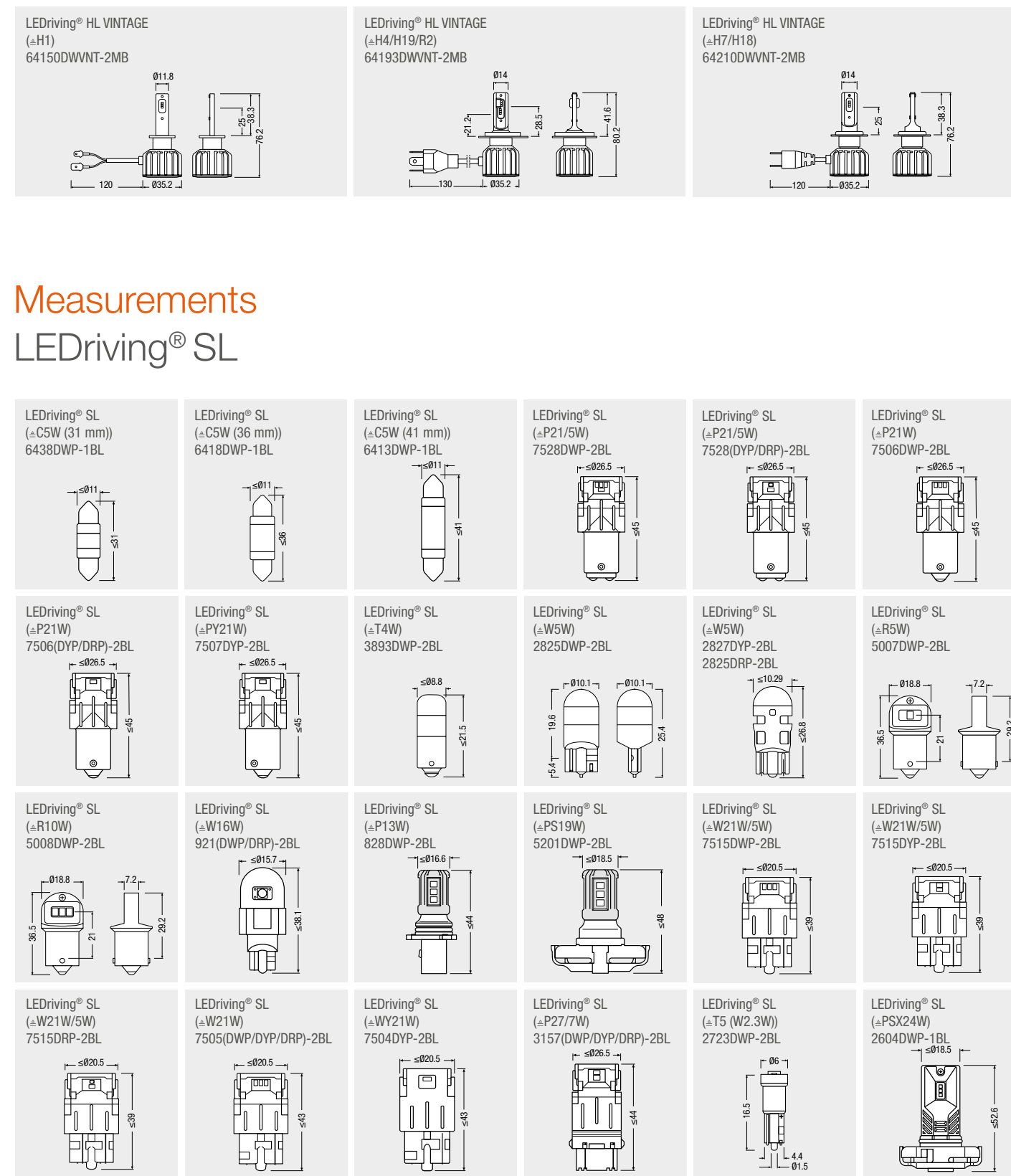
Product Reference	EAN		ECE	W	V	K		lm			GUAR- ANTEE (YEAR)
LEDCCU01-2HFB	4052899090873	Universal	4W/5W LED	5	12	-	-	-	2	20	3
LEDCCU02-2HFB	4052899301993	Universal	21W LED	21	12	-	-	-	2	20	3

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

# Measurements



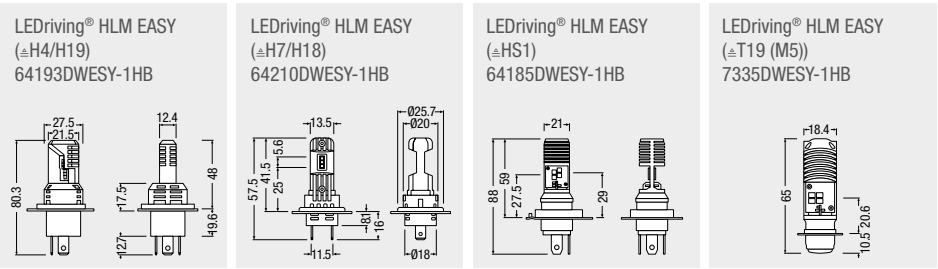
# Measurements





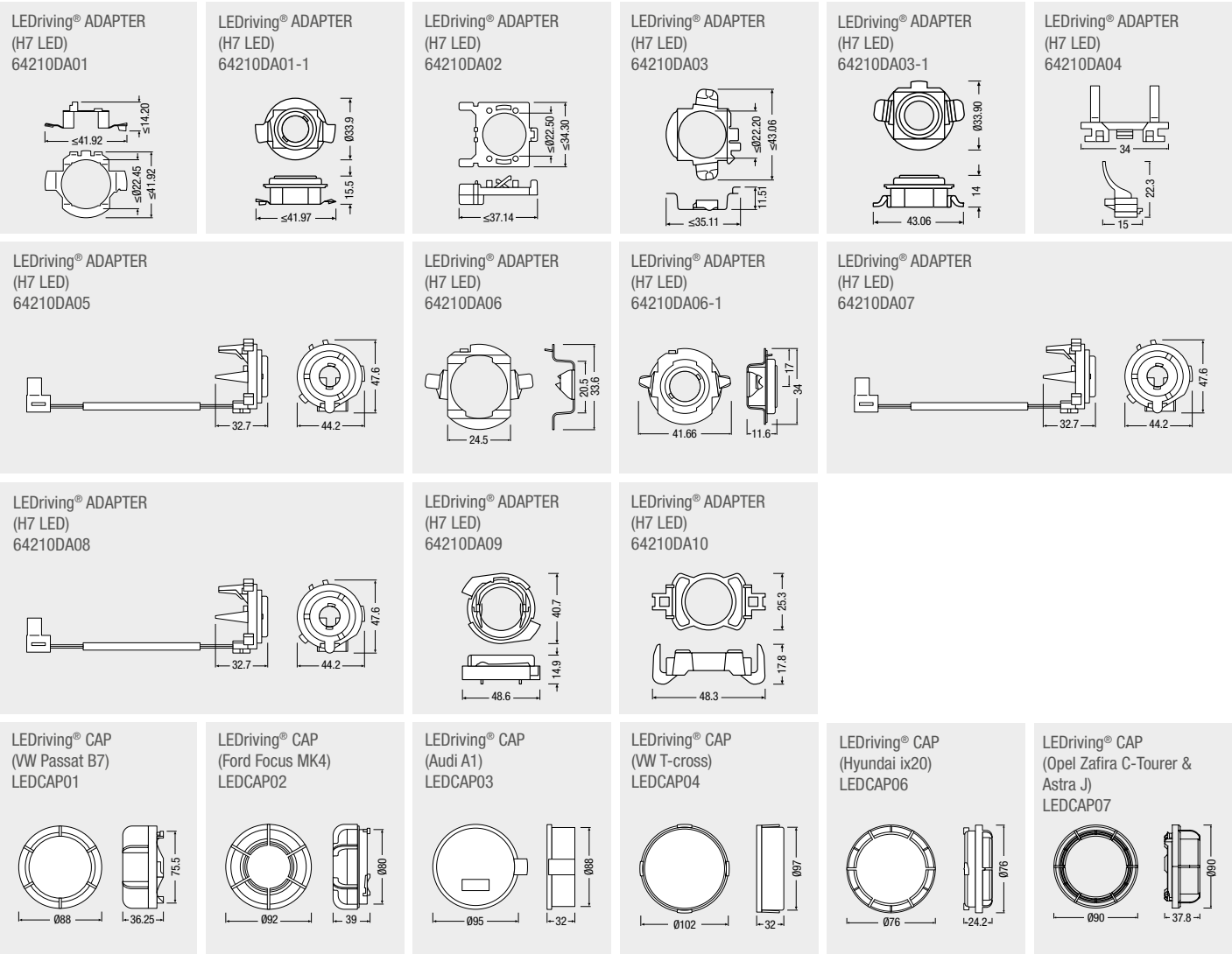
# Measurements

## LEDDriving® HLM



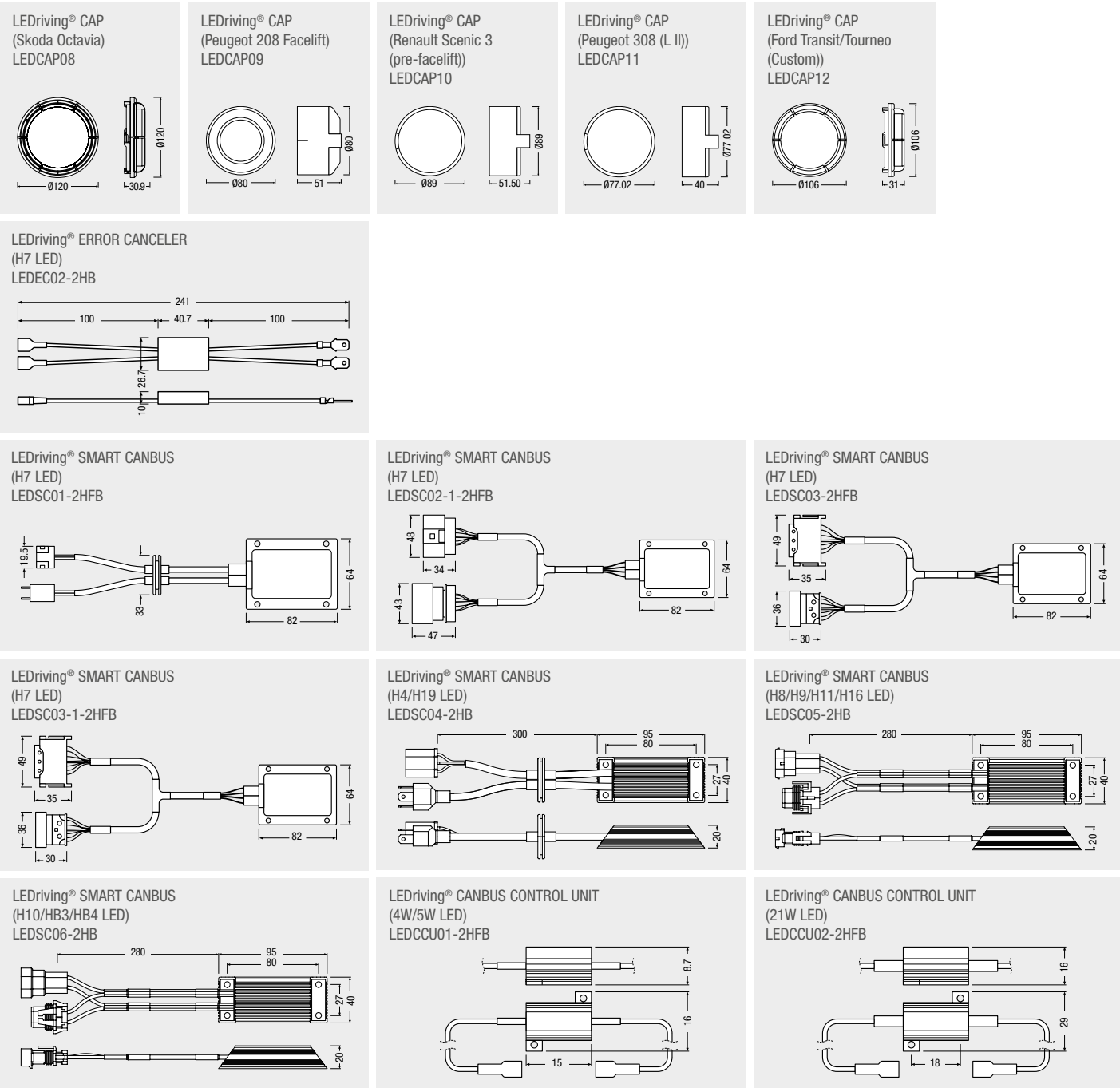
# Measurements

## LEDDriving® ACCESSORIES



# Measurements

## LEDDriving® ACCESSORIES



## My Notes

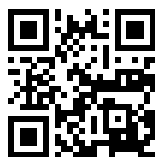
## My Notes



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