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› OSRAM LEDriving Smart Canbus LEDSC03-1 Instruction Manual

OSRAM LEDSC03-1

OSRAM LEDriving Smart Canbus LEDSC03-1 Instruction Manual

Model: LEDSC03-1

INTRODUCTION

The OSRAM LEDriving Smart Canbus LEDSC03-1 is designed to bypass the lamp failure detection system in vehicles when using an H7 LED retrofit lamp, such as the OSRAM Night Breaker H7 LED. This control unit ensures proper functionality and prevents error messages or flickering headlights that can occur when upgrading to LED lighting in vehicles with sensitive CAN bus systems. It provides an easy installation solution for most vehicle models equipped with automatic lamp failure detection.

PRODUCT OVERVIEW

The LEDriving Smart Canbus LEDSC03-1 consists of a control unit and connecting cables designed for seamless integration into your vehicle's electrical system. It is specifically engineered to work with OSRAM H7 LED retrofit lamps.



Image: The OSRAM LEDDriving Smart Canbus LEDSC03-1 shown with its retail packaging. The package highlights features such as "Fehler-frei" (error-free) and "Flimmer-frei" (flicker-free).

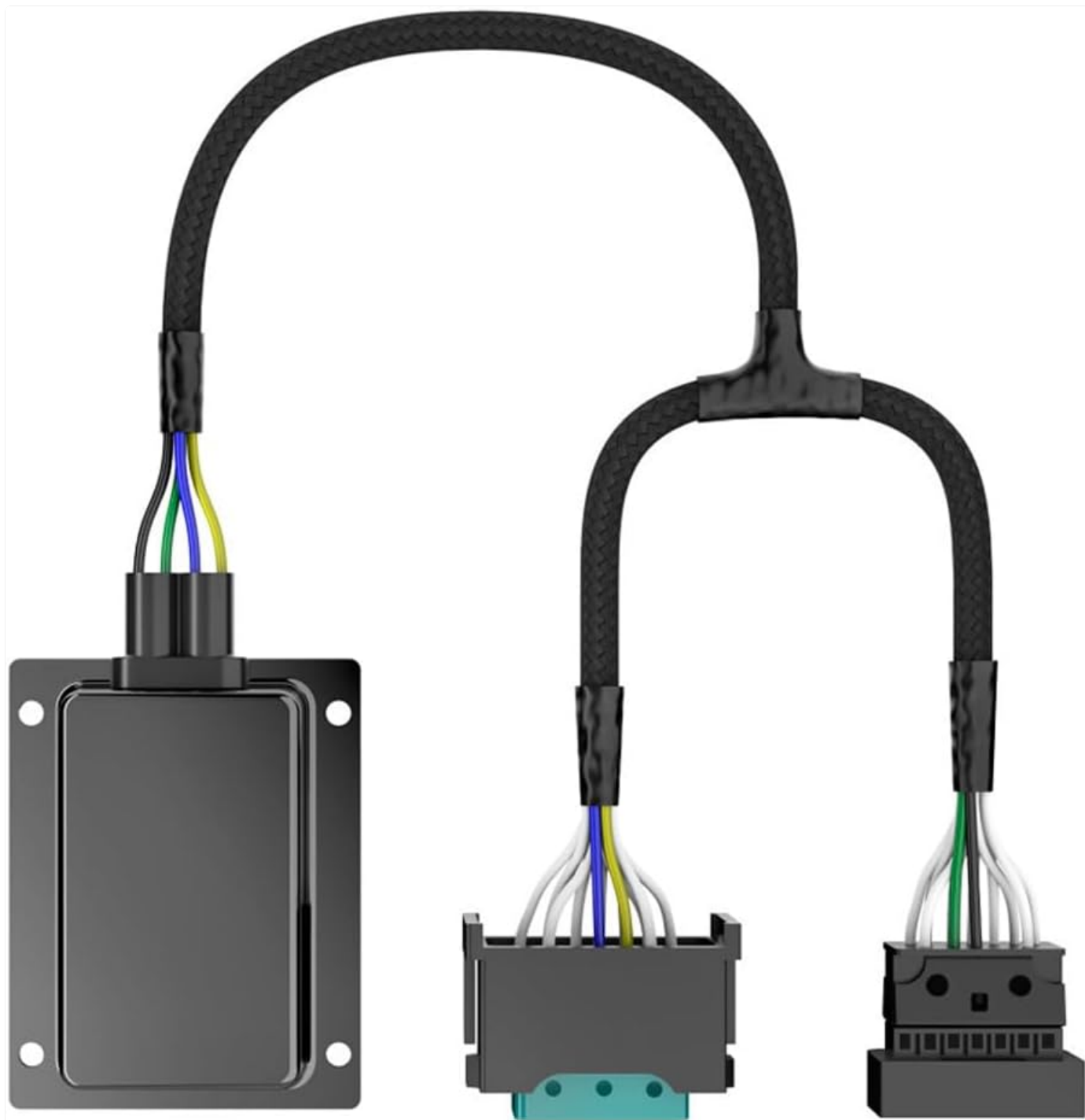


Image: A detailed view of the OSRAM LEDriving Smart Canbus LEDSC03-1 cable kit, showing the central control unit and the two connecting harnesses with multi-pin connectors.

SPECIFICATIONS

Brand	OSRAM
Model	LEDriving Smart Canbus LEDSC03-1
Voltage	12 Volts
Item Weight	0.804 ounces
Product Dimensions	1.65 x 0.88 x 0.56 inches

Operating Life	2500 Hours
Specific Uses	Lighthouse (Headlight)
Fit Type	Vehicle Specific Fit

COMPATIBILITY

It is crucial to verify your vehicle's compatibility with the OSRAM Night Breaker H7 LED and the appropriate LEDriving Smart Canbus version (LEDSC01, LEDSC02, or LEDSC03) before purchase and installation. OSRAM provides a detailed vehicle list to assist with this verification.

Please refer to the official OSRAM LED check website for the most up-to-date compatibility information:
www.osram.com/ledcheck.



NIGHT BREAKER® LED



Features

- OSRAM's first street-legal LED replacement lamps¹
- Color temperatures of up to 6,000 K
- Up to 230% more brightness²
- Up to 5 times more lifetime³

Product reference	Type	V	W	K	EAN10
64210DWNB	H7-LED	12	19	6,000	4062172155045
64193DWNB	H4-LED	12	27/23	6,000	4062172284691
64150DWNB	H1-LED	12	16	6,000	4062172373791
2825DWNBC	W5W-LED	12	1	6,000	4062172352239

LED Vehicle list – car

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type/ECE	Canbus ^{4,5}	Adapter ^{1,6} / CAP	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam Position light				
ABARTH	500, 595, 695	2007-2016	E3 2596	H7-LED	-	LEDCAPI11& 64210DA04	NEW
ALFA ROMEO	156 (932)	1997-2006	E3 5414/1 E3 54152	H1-LED	-	-	NEW
	916 Spider	2014-2018	E1 33	W5W-LED	-	-	NEW
	Alfa 6 (119)	1979-1983	E2 62/E2 63/ E5 801/ E1 14499	H1-LED	-	-	NEW
	Alfasud (901, 904)	1972-1980	E1 2440/1 E1 14599	H4-LED	-	-	NEW
	Alfasud ti (901)	1973-1985	E2 62/E2 63/ E5 801	H1-LED	-	-	NEW
	Alfasud Sprint (902)	1976-1983	E2 62/E2 63/ E5 801	H1-LED	-	-	NEW
	Alfetta (116)	1972-1984	E2 62/E2 63/ E5 801/ E1 14499	H1-LED	-	-	NEW
	Berlina (115, 105)	1968-1976	E2 62/E2 63/ E5 801/ E1 14499	H1-LED	-	-	NEW
	GTV (105)	1967-1975	E2 62/E2 63/ E5 801/ E1 14499	H1-LED	-	-	NEW

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LED Vehicle list – car

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type/ECE	Canbus ^{4,5}	Adapter ^{1,6} / CAP	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam Position light				
BMW	3er (E90, E91, E92, E93)	2005-2009	E12 112016	H7-LED	LEDSC03-1/ LEDEC01	-	NEW
	3er (F30/F31/F80)	2011-2015	E4 15473	H7-LED	LEDSC03-1/ LEDEC01 (Optional) ⁸	-	NEW
	3er (F30/F31/F80) Facelift	2015-2019	E1 4041	H7-LED	-	64210DA01-1	NEW
	X1 (F48)	2015- ⁷	E9 11708	H7-LED	LEDSC03/ LEDEC01 (Optional) ⁸	-	NEW
	X1 (E84)	2009-2012	E9 5880	H7-LED	LEDSC03-1	-	NEW
	X1 (E84) Facelift	2012-2015	E9 5880	H7-LED	LEDSC03-1	-	NEW
	X3 (F25)	2010-2014	E1 2960	H7-LED	LEDSC03-1	-	NEW
	X3 (F25) Facelift	2014-2017	E1 3543	H7-LED	LEDSC03/ LEDEC01	-	NEW
CITROEN	C1 Gen 1	2005-2014	E2 04048	H4-LED	-	-	NEW
	C3 Picasso	2009-2017	E1 2598	H7-LED	-	64210DA01-1	NEW
	Jumper (2)	2006-2014 ⁸	E3 2447/ 2448	H7-LED	-	-	NEW
	Jumper Y(2) Facelift	2014- ¹⁰	E24 6266	W5W-LED	-	-	NEW
DACIA	Duster (Ph1)	2010-2013	E1 2737	H7-LED	-	-	NEW
	Duster (Ph1) Facelift	2013-2018	E1 3669	H7-LED	-	-	NEW
	Duster (Ph2)	2018- ⁷	E1 4583	H7-LED	-	-	NEW
	Logan 2	2015-2019	E1 3398	H7-LED	-	-	NEW
	Sandero 2	2015-2019	E1 3398	H7-LED	-	-	NEW
FIAT	500	2007-2016	E3 2595	H7-LED	-	LEDCAPI11& 64210DA04	NEW
	500 C	2007-2016	E3 2596	H7-LED	-	LEDCAPI11& 64210DA04	NEW
	Aegaea/Egea (356)	2015- ⁷	E9 16020	H7-LED	-	-	NEW
	Ducato 250 (3)	2006-2014 ⁸	E3 2447/ 2448	H7-LED	-	-	NEW
	Ducato 250, 290 (3) Facelift	2014- ¹⁰	E24 6266	W5W-LED	-	-	NEW
	Talento	2016-2020 ⁸	E8 6875	H4-LED	-	-	NEW
	Tipe (356)	2015- ⁷	E9 16020	H7-LED	-	-	NEW

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LED Vehicle list – car

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type/ECE	Canbus ^{4,5}	Adapter ^{1,6} / CAP	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam Position light				
ALFA ROMEO	GT / GTV (116)	1975-1986	E2 62/E2 63/ E5 801/ E1 14499	H1-LED	-	-	NEW
	GTJ (115, 105)	1974-1975	E2 62/E2 63/ E5 801/ E1 14499	H1-LED	-	-	NEW
	Giulia Super/ Nuova Super (115, 105)	1974-1977	E2 62/E2 63/ E5 801/ E1 14499	H1-LED	-	-	NEW
	Giulietta (940)	2009- ⁷	E3 2841	H7-LED	-	-	NEW
	Giulia (952)	2016- ⁷	E24 6280	H7-LED	-	-	NEW
	Mentrel (115, 105)	1971-1977	E2 62/E2 63/ E5 801/ E1 14499	H1-LED	-	-	NEW
	Sprint (902)	1983-1990	E3 3955/1/ E3 39550	H1-LED	-	-	NEW
AUDI	A1 (8X) Facelift	2015-2018	E9 11189	H7-LED	-	-	NEW
	A1 (8B)	2018- ⁷	E9 22034	H7-LED	-	LEDCAPO3	NEW
	A2 (8Z)	2000-2005	E9 5267/ 5268	H7-LED	-	-	NEW
	A3 (8P)	2003- ⁷	E1 1468/ E1 1469	H7-LED	LEDSC02-1 (Optional) ⁸	-	NEW
	A3 (8PA)	2006- ⁷	E1 1468/ E1 1469	H7-LED	LEDSC02-1 (Optional) ⁸	-	NEW
	A4 (8E) B7 A4 (8H) B7 Cabriolet	2003- ⁷	E1 1802/ E1 1803	H7-LED WSW-LED	LEDSC02-1 LEDSC01TR101 (Optional) ⁸	-	NEW
	A6, S6 (C6/4F)	2004-2011	E1 1754	H7-LED	LEDSC02-1 (Optional) ⁸	-	NEW
	Q3 (8U)	2011-2014	E9 6391	H7-LED	LEDSC02-1 (Optional) ⁸	-	NEW
	TT (8J)	2006-2014	E1 2039	H7-LED	LEDSC02-1	-	NEW
BMW	1er (E81, E82, E87, E88)	2004-2007	E9 5475	H7-LED	LEDSC03-1	-	NEW
	1er (E81, E82, E87, E88) Facelift	2007-2013	E9 5475	H7-LED	LEDSC03-1	-	NEW
	1er (F20/F21) Facelift	2015-2019	E1 3999	H7-LED	LEDSC03/ LEDSC03-1 (Optional) ⁸	64210DA01-1	NEW
	2er Active Tourer (UKL-L/F45) 2er Gran Tourer (UKL-L/F46)	2014- ⁷	E1 3680	H7-LED	LEDSC03/ LEDSC03-1	-	NEW
	2er Active Tourer F2AT UKL-L (F45) Facelift 2er Gran Tourer F2GT UKL-L (F46) Facelift	2018- ⁷	E1 3680	H7-LED	LEDSC03/ LEDSC03-1	-	NEW
	2er (F22/F23/F87)	2014-2017	E9 14126	H7-LED	LEDSC03/ LEDSC03-1	-	NEW

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LED Vehicle list – car

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type/ECE	Canbus ^{4,5}	Adapter ^{1,6} / CAP	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam Position light				
FORD	B-Max (JK8)	2012-2017	E13 13457	H7-LED	-	-	NEW
	EcoSport (JK8)	2012- ⁷	E4 17094	H4-LED	-	-	NEW
	Fiesta 6	2001-2008	E4 9818	H4-LED	-	-	NEW
	Fiesta (MK7) Facelift	2013- ⁷	E8 6388	H7-LED	-	64210DA02	NEW
	Fiesta (MK8)	2017- ⁷	E4 25168	H7-LED	-	64210DA04	NEW
	Focus (MK2)	2004-2007	E4 10178	H7-LED	-	-	NEW
	Focus (MK3) Facelift	2014-2018	E8 7095/ 7091	H7-LED	-	64210DA04	NEW
	Focus (MK4)	2018- ⁷	E8 9147	H7-LED	-	LEDCAPO2& 64210DA04	NEW
	Galaxy (WAG/CK)	2015- ⁷	E9 11642	H7-LED	-	-	NEW
	Kuga 2	2012-2019	E9 16222	H7-LED	-	64210DA09	NEW
	Mondeo (BA7/MK5)	2014- ⁷	E4 16384	H7-LED	-	-	NEW
	Ranger	2012-2016	E11 5614/ E11 5612	H4-LED	-	-	NEW
	S-Max (WAG/CJ)	2015- ⁷	E9 11642	H7-LED	-	-	NEW
	Tourneo Custom	2019- ⁷	E9 16678	H7-LED	-	-	NEW
	Tourneo Custom (Low beam reflector)	2019- ⁷	E9 16676	H7-LED	-	LEDCAPI2	NEW
	Transit (MK7)	2014- ⁷	E9 6892	H7-LED	-	-	NEW
	Transit (V363)	2014- ⁷	E9 6893	H7-LED	LEDSC01 (Optional) ⁸	-	NEW
	Transit Custom	2019- ⁷	E9 16678	H7-LED	-	-	NEW
	Transit Custom (Low beam reflector)	2019- ⁷	E9 16676	H7-LED	-	LEDCAPI2	NEW
HONDA	Jazz (GK)	2013- ⁷	E4 17782	H4-LED	-	-	NEW
HYUNDAI	i10 I	2008-2013	E13 2540	H4-LED	-	-	NEW
	i20 (GB)	2014-2018	E13 14184/ 14185	H4-LED	-	-	NEW
	i20 I (PB)	2012-2015	E13 13518	H7-LED	-	-	NEW
	i20	2010-2019	E13 13013	H7-LED	-	LEDCAPO6	NEW
	i35 (L M)	2009-2015	E13 12712/ 12806	H7-LED	-	-	NEW
ISUZU	D-MAX Gen 3	2019- ⁷	E13 35254	H4-LED	-	-	NEW
JEEP	Renegade	2014- ⁷	E24 6268	H4-LED	-	-	NEW
	Wrangler TJ	1997-2006	E11 0035	H4-LED	-	-	NEW
	Wrangler JK	2007-2018	E11 0035	H4-LED	-	-	NEW

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#15 (H7), #7 (H4), #1 (H1), #0 (W5W), 04/10/2023

Image: Excerpt from the OSRAM LEDriving compatibility list, page 1 of 3. This table details various car manufacturers, models, year of manufacture, headlight approval numbers, lamp types, and required OSRAM accessories like Canbus or adapters.



LED Vehicle list – car

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type/ECE	Canbus ^{1,6}	Adapter ^{1,6} / CAP	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam Position light				
FORD	B-Max (JK8)	2012-2017	E13 13457	H7-LED	-	-	🔧
	Ecosport (JK8)	2012- ⁷	E4 17094	H4-LED	-	-	🔧
	Fiesta 6	2001-2008	E4 9818	H4-LED	-	-	🔧
	Fiesta (MK7) Facelift	2013- ⁷	E8 6388	H7-LED WSW-LED	-	64210DA02	🔧
	Fiesta (MK8)	2017- ⁷	E4 25168	H7-LED	-	64210DA04	🔧
	Focus (MK2)	2004-2007	E4 10178	H7-LED	-	-	🔧
	Focus (MK3) Facelift	2014-2018	E8 7095/ 7091	H7-LED	-	64210DA04	🔧
	Focus (MK4)	2018- ⁷	E8 9147	WSW-LED	-	-	🔧
	Focus (MK4)	2018- ⁷	E8 9147	H7-LED	-	LEDCAPO2& 64210DA04	🔧
	Galaxy (W46/CK)	2015- ⁷	E9 11642	H7-LED	-	-	🔧
	Kuga 2	2012-2019	E9 16222	H7-LED	-	64210DA09	🔧
	Mondeo (BA7/MK5)	2014- ⁷	E4 16384	H7-LED	-	-	🔧
	Ranger	2012-2016	E11 5614/ E11 5612	H4-LED	-	-	🔧
	S-Max (W46/CJ)	2015- ⁷	E9 11642	H7-LED	-	-	🔧
	Tourneo Custom	2019- ⁷	E9 16678	H7-LED	-	-	🔧
	Tourneo Custom (Low beam reflector)	2019- ⁷	E9 16676	H7-LED	-	LEDCAPI2	🔧
	Transit (MK7)	2014- ⁷	E9 6892	H7-LED	-	-	🔧
	Transit (V363)	2014- ⁷	E9 6893	H7-LED	LEDSC01 (Optional) ⁹	-	🔧
	Transit Custom	2019- ⁷	E9 16678	H7-LED	-	-	🔧
HONDA	Transit Custom (Low beam reflector)	2019- ⁷	E9 16676	H7-LED	-	LEDCAPI2	🔧
	Jazz (GK)	2013- ⁷	E4 17782	H4-LED	-	-	🔧
HYUNDAI	i10 1	2008-2013	E13 2540	H4-LED	-	-	🔧
	i20 (GB)	2014-2018	E13 14184/ 14185	H4-LED	-	-	🔧
	i20 1 (PB)	2012-2015	E13 13518	H7-LED	-	-	🔧
	ix20	2010-2019	E13 13013	H7-LED	-	LEDCAPO6	🔧
	ix35 (LM)	2009-2015	E13 12712/ 12806	H7-LED	-	-	🔧
ISUZU	D-MAX Gen 3	2019- ⁷	E13 35254	H4-LED	-	-	🔧
JEEP	Renegade	2014- ⁷	E24 6268	H4-LED	-	-	🔧
	Wrangler TJ	1997-2006	E11 0035	H4-LED	-	-	🔧
	Wrangler JK	2007-2018	E11 0035	H4-LED	-	-	🔧

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LED Vehicle list – car

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type/ECE	Canbus ^{1,6}	Adapter ^{1,6} / CAP	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam Position light				
MERCEDES- BENZ	Sprinter (W907/W910)	2018- ^{7,8}	E9 22004	H7-LED WSW-LED	-	LEDCBCRTL101 (Optional) ⁶	🔧
	V-Klasse (W447)	2014-2019 ^{1,8}	E1 3655	H7-LED	-	64210DA05	🔧
MITSUBISHI	Vito (W447)	2014-2019 ^{1,8}	E1 3655	H7-LED	-	64210DA05	🔧
	Spacestar Mirage/Altrage	2012-2019	E4 16185	H4-LED	-	-	🔧
MORGAN	Spacestar/Mirage (FL2) Facelift	2019- ⁷	E4 27297	H4-LED	-	-	🔧
	Pajero 1 (C890)	1988-1990	E4 0324	H4-LED	-	-	🔧
NEW	3 Wheeler	2012-2021	E11 0035	H4-LED	-	-	🔧
	4/4	2009-2019	E11 0035	H4-LED	-	-	🔧
NEW	Plus 4	2014-2019	E11 0035	H4-LED	-	-	🔧
	Plus 8	1968-2004, 2012-2018, 2021- ⁷	E11 0035	H4-LED	-	-	🔧
NISSAN	Roadster	2004-2019	E11 0035	H4-LED	-	-	🔧
	100NX (B13)	1990-1995	E13 020289	H4-LED	-	-	🔧
NEW	200SX Gen 5 (S13)	1989-1993	E4 20619/ E4 02370/ E4 02369	H4-LED	-	-	🔧
	Note E12	2012-2020	E4 16212	H4-LED	-	-	🔧
OPEL	NV300	2016-2021 ⁸	E8 6875	H4-LED	-	-	🔧
	Astra (H)	2004-2010	E 1 1770	H7-LED	LEDSC01	64210DA01-1	🔧
NEW	Astra (P-J)	2009- ⁷	E1 2820	H7-LED	LEDSC01	64210DA01-1/ LEDCAPO7 (Optional)	🔧
	Astra (K)	2015-2022	E9 11834	H1-LED	-	-	🔧
NEW	Astra Sports Tourer (P-J/SW)	2010- ⁷	E1 2820	H7-LED	LEDSC01	64210DA01-1/ LEDCAPO7 (Optional)	🔧
	Astra Van (P-J/V)	2010- ⁷	E1 2820	H7-LED	-	-	🔧
NEW	Astra Sports Tourer Van (P-J/SW/V)	2010- ⁷	E1 2820	H7-LED	-	-	🔧
	Grandland (X)	2017-2021	E1 4577	H7-LED	-	64210DA04	🔧
NEW	Meriva (B)	2010-2017	E8 6848/ E4 14392	H1-LED	LEDSC01	64210DA04	🔧
	Mevano (C)	2021- ⁷	E24 6266	H7-LED	-	-	🔧
NEW	Vivaro 8	2014-2019 ⁸	E8 6877/ 6875	H4-LED	-	-	🔧

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LED Vehicle list – car

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type/ECE	Canbus ^{1,6}	Adapter ^{1,6} / CAP	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam Position light				
LADA	Niva, 4x4, Taiga	1977- ⁷	E11 0035	H4-LED	-	-	🔧
	Musa	2007-2012	E4 10161	H7-LED	-	64210DA01-1	🔧
LANCIA	Ypsilon	2007-2012	E4 10161	H7-LED	-	64210DA01-1	🔧
	Defender	1984-2016	E11 0035	H4-LED	-	-	🔧
LAND ROVER/ ROVER/ BRITISH LEYLAND/ AUSTIN	Land Rover	1948-1984	E11 0035	H4-LED	-	-	🔧
	Range Rover	1970-1996	E11 0035	H4-LED	-	-	🔧
MAN	Mini	1959-2000	E11 0035	H4-LED	-	-	🔧
	G90	1979-1987 ¹¹	E1 14551	H4-LED	-	-	🔧
MAZDA	TGE	2017- ^{7,8}	E8 8173	H7-LED	-	64210DA01-1	🔧
	2 (DE)	2007-2014	E4 11981	H4-LED	-	-	🔧
NEW	2 (DJ)	2014- ⁷	E13 14125	H4-LED	-	-	🔧
	323 (I)	1977-1980	E4 0324	H4-LED	-	-	🔧
NEW	MX5 (I)	1989-1998	E4 0324	H4-LED	-	-	🔧
	190 (W201)	1982-1993	E1 34442/ E1 34443	H4-LED	-	-	🔧
MERCEDES- BENZ	A-Klasse (W169)	2004-2008	E1 1730	H7-LED	LEDSC01	-	🔧
	A-Klasse (W176)	2012-2018	E1 3255	H7-LED	-	64210DA01-1	🔧
NEW	A-Klasse (W177/V177)	2018- ⁷	E8 9130	H7-LED	-	64210DA01-1	🔧
	B-Klasse (W247)	2018- ⁷	E8 9647	H7-LED	-	64210DA01-1	🔧
NEW	C-Klasse (W204/S204) Facelift	2011-2014	E1 2950	H7-LED	LEDSC01 (Optional) ⁹	64210DA03-1	🔧
	C-Klasse (W205/S205)	2014-2018	E1 3528	H7-LED	-	64210DA03-1	🔧
NEW	CLA (X118)	2019- ⁷	E1 4800	H7-LED	-	64210DA01-1	🔧
	CLA 245 G (C117, X117)	2013-2018	E1 3326	H7-LED	-	64210DA03-1	🔧
NEW	Citan (W415)	2012-2021	E11 5814	H4-LED	-	-	🔧
	G-Klasse (W460)	1979-1992 ¹¹	E1 14551	H4-LED	-	-	🔧
NEW	G-Klasse (W461/W462/ W463)	1992-2018 ¹¹	E1 14551	H4-LED	-	-	🔧
	GLA (X156)	2013-2020	E1 3504	H7-LED	-	64210DA03-1	🔧
NEW	GLB (X247)	2019- ⁷	E1 4828	H7-LED	-	64210DA01-1	🔧
	GLC (X253)	2016- ⁷	E4 18438	H7-LED	-	-	🔧
NEW	Marco Polo Camper (W447)	2014-2019 ^{7,8}	E1 3655	H7-LED	-	64210DA05	🔧

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LED Vehicle list – car

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type/ECE	Canbus ^{1,6}	Adapter ^{1,6} / CAP	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam Position light				
NEW	Zafira C / Tourer	2016-2019	E1 4238	H7-LED	-	64210DA03-1/ LEDCAPO7	🔧
	208 / 208 Facelift	2012-2019	E9 11726	H7-LED	-	LEDCAPO9	🔧
PEUGEOT	308 (L / I)	2013-2021	E24 6284	H7-LED	-	LEDCAPI11	🔧
	Boxer (2)	2006-2014 ⁸	E3 2447/ 2448	H7-LED	-	-	🔧
NEW	Boxer Y(2) Facelift	2014- ^{7,8}	E24 6266	H7-LED	-	-	🔧
	W5W-LED						
RENAULT	Kangoo (FW)	2013-2020	E11 5827	H4-LED	-	-	🔧
	Kangoo 2 Facelift	2013-2021	E11 5827	H4-LED	-	-	🔧
NEW	Kangoo Express Z.E. (FW)	2011- ⁷	E11 5827	H4-LED	-	-	🔧
	Kangoo TPMR, Be Bop, Express (W, FW, KW)	2008-2021	E13 2442	H4-LED	-	-	🔧
NEW	Kangoo 3	2021- ⁷	E4 28310	H7-LED	-	-	🔧
	Megane 3	2008-2012	E1 2538	H7-LED	-	-	🔧
NEW	Megane 3 ¹⁸	2008-2012	E1 3674	H7-LED	-	-	🔧
	Megane 3 Facelift	2012-2016	E1 2538	H7-LED	-	-	🔧
NEW	Megane 3 Facelift ¹⁸	2012-2016	E1 3674	H7-LED	-	-	🔧
	Scenic, Grand Scenic 3 Facelift	2012-2016	E9 6621	H7-LED	-	-	🔧
NEW	Trafic 3	2014-2021 ⁸	E8 6875	H4-LED	-	-	🔧
	Twingo 2	2007-2012	E1 2340	H4-LED	-	-	🔧
SEAT	Twingo 3	2014- ⁷	E8 7032	H4-LED	-	-	🔧
	Alhambra 2 (7N)	2010- ⁷	E1 2853	H7-LED	LEDSC02-1	64210DA08	🔧
NEW	Arona KJ	2017- ⁷	E9 16481	H7-LED	-	-	🔧
	Arona KJ7 / KJP	2017- ⁷	E9 16479	H7-LED	-	-	🔧
NEW	Ateca	2016-2020	E9 14198	H7-LED	-	-	🔧
	Ibiza 5 (6F)	2017- ⁷	E9 16479/ E9 16481	H7-LED	-	-	🔧
NEW	Seat Leon 3 (5F)	2012-2017	E9 14064	H7-LED	-	-	🔧
	Seat Leon 3 (5F) Facelift	2017-2020	E9 14220	H7-LED	-	-	🔧
NEW	Mii	2011-2019	E1 3215	H4-LED	-	-	🔧
	Mii electric	2020-2021	E1 3215	H4-LED	-	-	🔧

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#15 (H7), #7 (H4), #1 (H1), #0 (W5W), 04/10/2023

Image: Excerpt from the OSRAM LEDriving compatibility list, page 2 of 3. This table continues to list various car manufacturers, models, year of manufacture, headlight approval numbers, lamp types, and required OSRAM accessories.



LED Vehicle list – car

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type/ECE	Canbus**	Adapter** / CAP	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam Position light				
SKODA	Fabia 2 (5J)	2007-2014	E1 2918	H4-LED	-	-	Easy
	Citigo (NF1)	2011-2017	E1 3192	H4-LED	-	-	Easy
	Citigo, e Citigo Facelift	2017-2021	E8 8061	H7-LED	LEDSC02-1 (Optional) ¹	64210DA01-1 64210DA01-1	Easy
	Kodiaq	2017- ²	E8 8429	H7-LED	-	64210DA01-1	Easy
	Octavia SE (3)	2013- ²	E1 3340	H7-LED	-	-	Easy
	Octavia SE (3) Facelift	2016-2020	E1 4337	H7-LED	-	LEDCA08	Easy
	Roomster (5J)	2006-2015	E1 2918	H4-LED	-	-	Easy
	Superb 3	2015- ²	E8 7375	H7-LED	-	64210DA01-1	Easy
	Yeti	2009-2013 ¹¹	E1 2646	H4-LED	-	-	Easy
				WSW-LED	LEDSCBCTR101 (Optional) ²	-	Easy
SUZUKI	Ignia Gen 3	2016-2020	E13 24453	H4-LED	-	-	Easy
	Jimmy (FJ)	1998-2018	E13 9328	H4-LED	-	-	Easy
	Jimmy (GJ)	2018- ²	E13 34901	H4-LED	-	-	Easy
TOYOTA	Corolla (KE 30)	1974-1980	E4 02082/ E6 028457/ E4 0324	H4-LED	-	-	Easy
	Corolla (KE, TE)	1974-1980	E4 0324	H4-LED	-	-	Easy
	Corolla Gen 9	2001-2004	E2 1282	H7-LED	-	-	Easy
	Corolla (E12) Facelift	2004-2007	E2 03042	H7-LED	-	-	Easy
	Cressida (RX 3, RX 3 K)	1977-1981	E4 02082/ E6 028457/ E4 0324	H4-LED	-	-	Easy
	HiAce (H20/H30/H40)	1977-1983	E4 02082/ E6 028457/ E4 0324	H4-LED	-	-	Easy
	HiAce (H50/H60/H70)	1982-1989	E4 02082/ E6 028457/ E4 0324	H4-LED	-	-	Easy
	Hilux Gen 7 (H25)	2005-2012	E13 12308	H4-LED	-	-	Easy
	Hilux Gen 7 (H25)	2005-2012	E13 12312	H4-LED	-	-	Easy
	Landcruiser (J6)	1980-1990	E4 02082/ E6 028457/ E4 0324	H4-LED	-	-	Easy
	Landcruiser (J7)	1984-2006	E4 02082/ E6 028457/ E4 0324	H4-LED	-	-	Easy

LED Vehicle list – car

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type/ECE	Canbus**	Adapter** / CAP	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam Position light				
TOYOTA	LiteAce, TownAce (KM20)	1979-1985	E4 02082/ E6 028457/ E4 0324	H4-LED	-	-	Easy
	Starlet	1978-1980	E4 0324	H4-LED	-	-	Easy
	Starlet (P6)	1978-1980	E4 02082/ E6 028457	H4-LED	-	-	Easy
	Yaris (XP13)	2010-2014	E13 13140	H4-LED	-	-	Easy
TRIUMPH	Spitfire	1962-1980	E11 0035	H4-LED	-	-	Easy
	TR5	1967-1968	E11 0035	H4-LED	-	-	Easy
	TR6	1968-1976	E11 0035	H4-LED	-	-	Easy
	TR7	1975-1980	E11 0035	H4-LED	-	-	Easy
VW	Trabant (601)	1984-1990	E11 0035	H4-LED	-	-	Easy
VW	Beetle (5C)	2011-2016	E1 3203	H4-LED	-	-	Easy
	Caddy 1 (14D)	1978-1992	E1 14551	H4-LED	-	-	Easy
	Caddy (2K)	2010-2015	E1 2992	H4-LED	-	-	Easy
	Caddy 3 (2K) Facelift	2010-2015 ¹	E1 2855	H7-LED	LEDSC02-1	64210DA08	Easy
	Caddy 4 (5A)	2016-2020	E8 7565	H4-LED	-	-	Easy
	Crafter 2	2017- ^{2,3}	E8 8173	H7-LED	-	64210DA01-1	Easy
	Golf 1	1974-1983	E1 14551	H4-LED	-	-	Easy
	Golf 1 Cabrio	1979-1994	E1 14551	H4-LED	-	-	Easy
	Golf 2	1983-1992	E10 02010/ E15 7-20/ E1 14551	H4-LED	-	-	Easy
	Golf 4 / Cabrio (1J)	1997-2006	E1 7617 E9 5163	H7-LED	-	-	Easy
	Golf 6 / Cabrio (1K)	2008- ²	E8 4816	H7-LED	LEDSC02-1 WSW-LED	64210DA07 -	Easy
	Golf 6 / Cabrio (1K)	2008- ²	E9 5813	H7-LED	LEDSC02-1	64210DA05	Easy
	Golf 7 (5G)	2012-2017	E8 7169	H7-LED	-	64210DA05	Easy

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LED Vehicle list – car

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type/ECE	Canbus**	Adapter** / CAP	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam Position light				
VW	Jetta 6	2010-2018	E1 3006	H7-LED	LEDSC02-1 LEDEC01	64210DA01-1 64210DA01-1	Easy
	Kafer 1200/1300/1500	1968-1974 ¹¹	E1 14551	H4-LED	-	-	Easy
	Kafer 1200 L	1974-1985	E1 14551	H4-LED	-	-	Easy
	Kafer 1302	1970-1972 ¹¹	E1 14551	H4-LED	-	-	Easy
	Kafer 1303	1972-1975	E1 14551	H4-LED	-	-	Easy
	Kafer 1600	1986-2004	E1 14551	H4-LED	-	-	Easy
	Kafer Cabrio	1965-1980	E1 14551	H4-LED	-	-	Easy
	LT	1975-1985	E1 34530	H4-LED	-	-	Easy
	LT 1	1975-1985	E1 14551	H4-LED	-	-	Easy
	Polo 5 (6R)	2009-2014	E9 5856	H4-LED	-	-	Easy
NEW	Polo (6R)	2009- ²	E1 2714	H7-LED	-	64210DA01-1	Easy
	Polo (6R/6C)	2014- ²	E8 6879	H7-LED	-	64210DA01-1	Easy
	Polo 6 (AW) ¹⁰	2017- ²	E9 16592	H7-LED	-	-	Easy
	Passat (B5)	2000-2005	E1 1196/1187	H7-LED	-	64210DA01-1	Easy
	Passat (3C/B7)	2010-2015	E1 2058	H7-LED	LEDSC02-1	LEDCAP01	Easy
	Passat (3C/3G/B8)	2014- ²	E9 11454	H7-LED	LEDSC02-1 (Optional) ¹	-	Easy
	Scirocco 3	2008-2014	E9 5768	H7-LED	LEDSC02-1 (Optional) ¹	64210DA08	Easy
	Scirocco 3 Facelift	2014-2017	E9 5768	H7-LED	LEDSC02-1 (Optional) ¹	64210DA08	Easy
	Sharan (7N)	2010- ²	E1 2851	H7-LED	LEDSC02-1 LEDEC01	64210DA05	Easy
	T2 (a/b)	1967-1979	E1 14551	H4-LED	-	-	Easy
NEW	T3 (Fritsche, Transporter, Kastenwagen, Kombi, Joker, Bus)	1979-1992	E1 14551	H4-LED	-	-	Easy
	T5 (Caravelle, California, Multivan, Transporter)	2003-2009 ¹	E1 1366/ E1 1367	H4-LED	-	-	Easy
	T6.1 (California, Kombi, Multivan, Transporter)	2019- ^{2,3}	E9 22767	H7-LED	-	-	Easy
	T-Cross (C1)	2018- ²	E9 22186	H7-LED	-	LEDCAP04	Easy
	T-Roc (A1)	2017- ²	E9 16552	H7-LED	-	64210DA08	Easy
	Tiguan 1 (5N)	2007-2011	E1 2393	H7-LED	LEDSC02-1	64210DA01-1	Easy

NEW

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LED Vehicle list – car

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type/ECE	Canbus**	Adapter** / CAP	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam Position light				
VW	Tiguan 1 (5N) Facelift	2011-2016	E1 3175	H7-LED	LEDSC02-1	64210DA07	Easy
	Tiguan 2 (AD1) Allspace	2016-2020	E1 4116	H7-LED	-	64210DA03-1	Easy
	Touareg 2 (7P5, 7P6)	2010-2014	E1 2928	H7-LED	-	64210DA01-1	Easy
	Touran 1T2 (6P)	2006-2010	E1 2236	H7-LED	LEDSC02-1	64210DA03-1	Easy
	Touran 1T3 (6P2)	2010-2015	E1 2855	H7-LED	LEDSC02-1	64210DA08	Easy
	Typ 1B1, 1B2	1969-1980	E1 14551	H4-LED	-	-	Easy
	Typ 3 (1500/1600)	1961-1973	E1 14551	H4-LED	-	-	Easy
	upl e-upl electric Cross-upl	2011-2016	E1 3149	H4-LED	-	-	Easy
	upl Facelift e-upl Facelift Cross-upl Up! GTI	2016- ²	E8 8227	H4-LED	-	-	Easy

LED Vehicle list – campers / special vehicles

S0.KFZ Wohnmobil, which have received a gradual permission and whose headlights are approved with the corresponding headlight approval number, are also approved.

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number	Lamp type / ECE	Canbus**	Adapter**	Installation/ Difficulty: Easy Medium Difficult
			Low beam High beam				
NEW	ADRIA	Sonic, Matrix, Coral (G)	2014- ^{2,3}	E24 6266	H7-LED	-	Easy
	CONCORD	Carver, Cruiser, Charisma, Credo, Centurion		E1 917	H7-LED	-	Easy
NEW	HYMER	Elddis/Compass EHG250	2014- ^{2,3}	E24 6266	H7-LED	-	Easy
	LMC	Solifer (F1-2007/46)	2014- ^{2,3}	E24 6266	H7-LED	-	Easy

If you own a vehicle that is not listed in the compatibility list, but has an already approved headlight registration number – please contact us at automotive-service@osram.com or +49 89 6213-3322.

- 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.
- Compared to minimum ECE R112 requirements. Additionally, 50% less glare
- Compared to halogen lamps
- OSRAM offers Canbus control units to avoid error messages on the on-board computer when using LED lamps
- OSRAM offers installation adapters to enable installation when using LED lamps
- Only the combination of OSRAM NIGHT BREAKER® LED lamps in conjunction with the official OSRAM accessories – LEDriving® ADAPTER and LEDriving® SMART CANBUS (where specified) – is approved
- Until end of production
- Optional use of Canbus control units in case of error message on the on-board computer is recommended depending on vehicle equipment.
- *Special purpose motor vehicle camper and other classes / body types*, which have received a gradual permission and whose headlights are approved with the corresponding headlight approval number, are also approved. The tier approval applies to campers of the manufacturers Adria, Bürstner, Possi, Carthago, Dethlefs, Hymer, Knaus, LMC, Carado, Laika, Eura Mobil, Frankia and many other models that meet the criteria.
- Install headlight cap according to manufacturer's instructions for use.
- Not suitable for vehicles with 6V/24V on-board voltage

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models, year of manufacture, headlight approval numbers, lamp types, and required OSRAM accessories, including notes on the list's usage.



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LED Vehicle list – campers / special vehicles



“SO.KFZ Wohnmobil”, which have received a gradual permission and whose headlights are approved with the corresponding headlight approval number, are also approved.

Manu- facturer	Model (Variant/Type)	Year of manu- facture	Headlight approval number		Lamp type / ECE	Canbus ^{4,6}	Adapter ^{5,6}	Installation/ Difficulty: Easy Medium Difficult
			Low beam	High beam				
ADRIA	Sonic, Matrix, Coral (G)	2014- ^{7,9}	E24 6266		H7-LED	-	-	
HYMER	Elddis/Compass EHG250	2014- ^{7,9}	E24 6266		H7-LED	-	-	
LMC	Solifer (FI-2007/46)	2014- ^{7,9}	E24 6266		H7-LED	-	-	

If you own a vehicle that is not listed in the compatibility list, but has an already approved headlight registration number – please contact us at automotive-service@osram.com or +49 89 6213-3322.

- 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) Compared to minimum ECE R112 requirements. Additionally, 50% less glare
- 3) Compared to halogen lamps
- 4) OSRAM offers Canbus control units to avoid error messages on the on-board computer when using LED lamps
- 5) OSRAM offers installation adapters to enable installation when using LED lamps
- 6) Only the combination of OSRAM NIGHT BREAKER® LED lamps in conjunction with the official OSRAM accessories – LEDriving® ADAPTER and LEDriving® SMART CANBUS (where specified) – is approved
- 7) Until end of production
- 8) Optional use of Canbus control units in case of error message on the on-board computer is recommended depending on vehicle equipment.
- 9) “Special purpose motor vehicle camper and other classes / body types”, which have received a gradual permission and whose headlights are approved with the corresponding headlight approval number, are also approved. The tier approval applies to campers of the manufacturers Adria, Bürstner, Pössl, Carthago, Dethleffs, Hymer, Knaus, LMC, Carado, Laika, Eura Mobil, Frankia and many other models that meet the criteria.
- 10) Install headlight cap according to manufacturer's instructions for use.
- 11) Not suitable for vehicles with 6V/24V on-board voltage

#13_#4_#0_14/03/2023

SETUP AND INSTALLATION

The LEDriving Smart Canbus LEDSC03-1 is designed for straightforward installation. It acts as an intermediary between your vehicle's wiring harness and the H7 LED retrofit lamp.

General Installation Steps:

1. **Safety First:** Ensure the vehicle's ignition is off and the battery is disconnected before beginning any electrical work.
2. **Access Headlight Assembly:** Locate and access the headlight assembly where the H7 LED retrofit lamp will be installed. This may require removing certain vehicle components.
3. **Connect Canbus Unit:** The LEDriving Smart Canbus unit typically connects in-line with the H7 LED lamp. One end of the Canbus unit connects to the vehicle's original headlight connector, and the other end connects to the H7 LED lamp.
4. **Secure Wiring:** Ensure all connections are secure and properly insulated. Route the wiring and the Canbus unit in a way that prevents pinching, chafing, or interference with moving parts.
5. **Test Functionality:** Reconnect the battery and test the headlight functionality. Verify that there are no error messages on the dashboard and that the headlights operate without flickering.
6. **Final Assembly:** Reassemble any vehicle components that were removed during the installation process.

Note: Specific installation procedures may vary depending on your vehicle model. Always consult your vehicle's service manual or a qualified automotive technician if you are unsure about any steps.

OPERATING PRINCIPLES

The OSRAM LEDriving Smart Canbus LEDSC03-1 operates by providing the correct electrical load and signal to the vehicle's CAN bus system, mimicking the characteristics of a traditional halogen bulb. This prevents the vehicle's onboard computer from detecting a "bulb out" error or other lamp failure warnings that can occur when lower-power LED lamps are installed. It also helps to eliminate flickering that some LED lamps may exhibit due to voltage fluctuations or pulse-width modulation (PWM) signals from the vehicle's electrical system.

MAINTENANCE

The OSRAM LEDriving Smart Canbus LEDSC03-1 is a sealed electronic unit and requires no routine maintenance. To ensure its longevity and proper function:

- Ensure it is installed in a location protected from extreme heat, moisture, and physical damage.
- Periodically check the wiring connections for any signs of corrosion or looseness.
- Do not attempt to open or modify the unit, as this will void the warranty and may cause malfunction.

TROUBLESHOOTING

If you encounter issues after installing the LEDriving Smart Canbus LEDSC03-1, consider the following:

- **Dashboard Error Messages:**
 - Double-check that the correct LEDriving Smart Canbus version (LEDSC01, LEDSC02, or LEDSC03) is used for

your specific vehicle model and H7 LED lamp. Refer to the OSRAM compatibility list.

- Ensure all electrical connections are secure and properly seated. A loose connection can cause intermittent errors.
- Verify that the H7 LED retrofit lamps themselves are functioning correctly.

- **Headlight Flickering:**

- Confirm that the Canbus unit is properly installed in-line with the LED lamp.
- Ensure the vehicle's electrical system is stable. Low battery voltage or alternator issues can sometimes cause flickering.
- Re-verify compatibility. In rare cases, some vehicle's CAN bus systems may require additional components or specific programming.

- **No Light Output:**

- Check the H7 LED lamp itself.
- Inspect all wiring for breaks or shorts.
- Ensure the Canbus unit is receiving power.

If troubleshooting steps do not resolve the issue, please contact OSRAM customer support or a certified automotive technician.

WARRANTY INFORMATION

OSRAM grants a **3-year warranty** on the LEDriving Smart Canbus LEDSC03-1. This warranty covers defects in materials and workmanship under normal use. For the exact conditions and to register your product, please visit the official OSRAM warranty page:

www.osram.com/am-guarantee

Please retain your proof of purchase for warranty claims.

SUPPORT AND CONTACT

For further assistance, technical inquiries, or support regarding your OSRAM LEDriving Smart Canbus LEDSC03-1, please contact OSRAM customer service through their official website or local support channels. Always provide your product model number (LEDSC03-1) and any relevant vehicle information when seeking support.

Official OSRAM Website: www.osram.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question