

LED automotive lighting

















NIGHT BREAKER® LED SPEED 450 (SP 450)

- OSRAM's new street-legal¹ LED replacement lamp with 1:1 Design
- Up to 450% more brightness²
- Optimized, improved, and more precise positioning of the LEDs
- Dimensions and mechanical compatibility inspired by traditional lamps
- Increased efficiency, especially thanks to further improved innovative electronics
- Fast and Easy installation
- Up to 6 times more lifetime³
- Cool white color temperature of up to 6,000 K
- Up to 60% less energy consumption²
- Up to 50% less glare²
- 5+1 year OSRAM Guarantee⁴

NIGHT BREAKER® LED SMART (SM)

- OSRAM's new smart street-legal¹ LED replacement lamps with innovative compact design
- Up to 330% more brightness²
- Up to 6 times more lifetime³
- Cool white color temperature of up to 6,000 K
- Up to 50% less glare²
- 5-year OSRAM Guarantee⁴

NIGHT BREAKER® LED SPEED (SP)

- OSRAM's new street-legal¹ LED replacement lamp with 1:1 Design
- Extra brightness²
- Alignment of LEDs in accordance with legal requirements
- Dimensions and mechanical compatibility inspired by traditional lamps
- Fast and Easy installation
- Up to 6 times more lifetime³
- Cool white color temperature of up to 6,000 K
- Up to 60% less energy consumption²
- Up to 50% less glare²
- 5+1 year OSRAM Guarantee⁴

NIGHT BREAKER® LED START (ST)

- OSRAM's first street-legal¹ LED replacement lamps
- Up to 230% more brightness²
- Up to 5 times more lifetime³
- Cool white color temperature of up to 6,000 K
- Up to 50% less glare²
- 3-year OSRAM Guarantee⁴ (ST)

NIGHT BREAKER® VINTAGE (VNT)

- OSRAM's new street-legal¹ LED replacement lamp now also for classic cars and fans of the classic warm white color temperature
- State-of-the-art technology for timeless classics
- Up to 330% more brightness²
- Up to 6 times more lifetime³
- Warm white color temperature of up to 3,000 K
- Up to 50% less glare²
- 5+1 year OSRAM Guarantee⁴

OSRAM NIGHT BREAKER® LED SPEED 450 / LED SPEED / LED SMART / LED START / LED VINTAGE

Product reference	Туре	V	W	K	EAN10	
64210DWNBSP-1HB	H7-LED SP 450	12	16	6,000	4062172 425360	NEW
64210DWNBSP-1HB	H7-LED SP	12	16	6.000	4062172 411325	
64193DWNBSP-1HB	H4-LED SP 450	12	14/14	6.000	4062172 422413	NEW
64193DWNBSM-1HB	H4-LED SM	12	20/19	6.000	4062172 398114	
64193DWNBST-2HB	H4-LED ST	12	27/23	6,000	4062172 411042	
64193DWNBVNT-2MB	H4-LED VNT	12	20/19	3,000	4062172 421720	NEW

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.ED Vehicle list – motorcyle 🍑								
Nanufacturer / Nodel (Variant/Type)	Year of manufacture	Headlight approval number		Lamp type/ ECE	Canbus ^{5,7}	Adapter ^{6,7} /CAP	Installation/ Difficulty:	
		Low beam High beam Position light	■ D				Easy & Medium & Difficult & & & & & & & & & & & & & & & & & & &	
BMW				H4-LED SP 450	-	-	s.	NE
F650	1000 0000	E4.045		H4-LED SM	-	-	£	NE
	1993-2000	E4 315		H4-LED ST	-	-	£	NE
				H4-LED VNT	-	-	۶	NE
				H4-LED SP 450	-	-	s	NE
				H4-LED SM	-	-	£	NE
800 R (K73)	2009-2019	E13 13842		H4-LED ST	-	-	٤	NE
				H4-LED VNT	-	-		NE
			300E	W5W-LED	LEDCCU01 (Optional) ⁹	-	<u>.</u>	NE
	2010-2015	E3 2473		H4-LED SP 450	-	-		NE
				H4-LED SM	-	-		
650, G650 GS, G650 Xmoto, 650 Xchallenge, Megamoto				H4-LED ST	-	-		
				H4-LED VNT	-	-	.	NE
		_	300€	W5W-LED	LEDCCU01 (Optional) ⁹	-	<u>.</u>	
				H4-LED SP 450	-	-		NE
75	1985-1996	E1 14572		H4-LED SM	- -	- -	<i>\$</i>	
				H4-LED ST	-	-	<i>b</i>	-
		_		H4-LED VNT	-	-	<u>.</u>	NE
				H4-LED SP 450	-	-		NE
100 RS/RT/LT, K1, K75, 1100 LT/RS	1983-1998	E1 34494		H4-LED SM	-	-		
IIUU LI/NƏ				H4-LED ST	-	-		
		_		H4-LED VNT	-	-	<u>.</u>	NE
				H4-LED SP 450	-	-	&	NE
45, R60, R65, R75, R80, R90	1973-1976	E1 14572		H4-LED SM	-			
,,,,,	· · · ·	LI ITUIZ		H4-LED ST	-	-	<i>\$</i>	
				H4-LED VNT	-	-	&	NE

LED Vehicle list – motorcyle	6							
Manufacturer / Model (Variant/Type)	Year of manufacture	Headlight approval number		Lamp type/ ECE	Canbus ^{5,7}	Adapter ^{6,7} /CAP	Installation/ Difficulty:	
		Low beam High beam Position light					Easy & Medium & Difficult & & & &	
BMW			(ID)					
			ED	H4-LED SP 450	-	-	<i>\$</i>	NE
				H4-LED SM	-	-	£	
R850 R / R1150 R (R21)	2001-2003	E1 14572		H4-LED ST	-	-	<u>\$</u>	
				H4-LED VNT	_	_	&	NE
		_					_	
				H4-LED SP 450	-	-	<i>\$</i>	NE
D100	1076 1006	F1 14570		H4-LED SM	-	-	₽.	
R100	1976-1996	E1 14572		H4-LED ST	-	-	s	
				H4-LED VNT	-		<u></u>	NEV
R1200 RT		E12 00112021		H7-LED SP 450	-		<u>.</u>	NE
			 ∅	H7-LED SP	-	-	<u>\$</u>	
	2005-2013			H7-LED SM	-	-	<i>&</i>	
			∌ 00€	H7-LED ST W5W-LED	- LEDCCU01	-	<u>\$</u>	
				W3W-LED	(Optional)9			-
				H4-LED SP 450	-	-	<i>\$</i>	NE
				H4-LED SM	-	-	&	 NE
R nine T Scrambler	2016-2023	E13 13815		H4-LED ST	-	-	\$	
			D	H4-LED VNT	-	-	<u>.</u>	
			≡ D	W5W-LED	LEDCCU01		<u></u>	
GASGAS			2001	MOM-FED	(Optional) ⁹	-	,	l
				H4-LED SP 450	-	-	s	NE
				H4-LED SM	-	-	&	-
2M700	2010 8				-			
SM700	2019-8	E13 35075		H4-LED ST	-	-	<i>\$</i>	
				H4-LED VNT	-	-	<i>\$</i>	NE
			300€	W5W-LED	LEDCCU01 (Optional) ⁹	-	₽.	
KAWASAKI			(a)					
				H4-LED SP 450	-	-	<i>\$</i>	NE
				H4-LED SM	-	-	<i>\$</i>	
Ninja 125	2018-8	E9 6598		H4-LED ST	-	-	£	
				H4-LED VNT	-	-	<i>s</i>	NE
					LEDCCU01			
			300€	W5W-LED	(Optional)9		<i>b</i>	

Manufacturer / Model (Variant/Type)	Year of manufacture	Headlight approval number		Lamp type/ ECE	Canbus ^{5,7}	Adapter ^{6,7} /CAP	Installation/ Difficulty:	
		Low beam High beam Position light	■ D ■ D ■ 00 €				Easy & Medium && Difficult &&&	
KAWASAKI								
				H4-LED SP 450	-	-		NE
				H4-LED SM	-	-	£	
Z250SL	2014- 8	E9 6598		H4-LED ST				
Ninja 250SL	2014	23 0000	***********	П4-LED 31	-	-	<u>*</u>	
				H4-LED VNT	-	-	\$ ·	NE
			300€	W5W-LED	LEDCCU01 (Optional) ⁹	-	\$	
				H4-LED SP 450			<u>.</u>	NE'
				H4-LED SM	-	-	£	
				H4-LED ST	-	-	£	
	2014- 8	E9 6598		LIA LED VNT				
			ED	H4-LED VNT	-	-	<u></u>	NE'
			300€	W5W-LED	LEDCCU01 (Optional) ⁹	-	£	
			[D	H7-LED SP 450	-	-	<u>F</u>	NE
	2010-2016	E11 005292		H7-LED SP	-	-	<u>&</u>	
Ninja 1000					-	-	<i>&</i>	NE
			ED	H7-LED SP	- LEDCCU01	-	<u></u>	
			300€	W5W-LED	(Optional)9	-	<u>.</u>	
			∌ D	H7-LED SP 450	-	-	<u>s</u>	NE
			 ■ D	H7-LED SP	-	-	<i>\$</i>	NEV
ER-6f	2009-2011	E11 005292		H7-LED SP 450	-	-	<u>&</u>	
				H7-LED SP	-	-	<i>&</i>	
			300€	W5W-LED	LEDCCU01 (Optional) ⁹	-	₽.	
				H4-LED SP 450	-	-	<u>s</u>	NE
			□	H4-LED SP	-	-	<i>\$</i>	
VULCAN S	2015-8	E11 6321		H4-LED ST	-	-	£	
			≡ D	H4-LED SM	-	-	s.	
			300€	W5W-LED	LEDCCU01 (Optional) ⁹	-	<u>&</u>	
		-	[D					- NIE
				H4-LED SP 450	-	-	&	NE
				H4-LED SM	-	-	£	
7.05	0040	50.0500						
Z125	2018- 8	E9 6598		H4-LED ST	-	-	s.	
				H4-LED VNT	-	-	\$	NE'
					LEDCCU01			
			300€	W5W-LED	(Optional)9	-	<u> </u>	_
			[D	H7-LED SP 450	-	-	s	NE
Z 900	2016-8	E4 012 4962	ED	H7-LED SP 450	-			NE\
			300€	W5W-LED	LEDCCU01 (Optional) ⁹	-	\$	
			[D	H7-LED SP 450	-	-	<u>.</u>	NE
			D	H7-LED SP	-	-	\$-	
Z 1000 SX	2010-2016	E11 005292	ED	H7-LED SP 450	-	-	&	NE
			ED	H7-LED SP	-	-	<u>&</u>	
			≱00 €	W5W-LED	LEDCCU01		₽.	

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LED Vehicle list – motorcyle Manufacturer /	⊘=⊙ Year of	Headlight		Lamp tupo/	Canbus ^{5,7}	Adapter ^{6,7} /CAP	Installation/	
Model (Variant/Type)	manufacture	approval number		Lamp type/ ECE	Candus	Adapter**/GAP	Difficulty: Easy & Medium && Difficult &&&	
		Low beam High beam Position light	□ D □ D					
KTM			(#D)					
				H4-LED SP 450	-	-	<i>\$</i>	NEV
				H4-LED SM	-	-	<i>\$</i>	
690 ENDURO R (KTM 690 LC4)	2019-8	E13 35075		H4-LED ST	-	-	٤	
				H4-LED VNT	-	-	s	NEV
			300€	W5W-LED	LEDCCU01 (Optional) ⁹	-	s	
				H4-LED SP 450		-	£	NEV
				H4-LED SM	-	-		
690 SMC R (KTM 690 LC4)	2019-8	E13 35075		H4-LED ST	-	-		
KTM 030 E04)				H4-LED VNT	-	-	<u></u>	NEW
			≡ D	W5W-LED	LEDCCU01		<u></u>	
TRIUMPH				WOW ELD	(Optional) ⁹			l
				H4-LED SP 450	-	-	&	NEW
Speed Triple (515)		E13 8758		H4-LED SM	-	-	s	
	2004- 8			H4-LED ST	-	-	<i>\$</i>	-
				H4-LED VNT	-	-	<u></u>	NEV
0 1 1 07 (4050)	0005 0			H7-LED SP 450		-	<u>s</u>	NEW
Sprint ST (1050)	2005- 8	E8 5509/E8 5510	300€	W5W-LED	LEDCCU01 (Optional) ⁹	-	<u>.</u>	NEW
				H4-LED SP 450	-	-	s.	NEW
				H4-LED SM	-	-	٤	
Rocket 3 (C23XB)	2004-2017	E13 8758		H4-LED ST	-	-	\$	-
				H4-LED VNT	-	-	<i>s</i>	NEW
			≥00€	W5W-LED	LEDCCU01	-	&	
YAMAHA					(Optional) ⁹			l
Fazer (F26)	2004-2008	E13 8691	300E	H4-LED SP 450 W5W-LED	LEDCCU01	-	<u></u>	NEW NEW
				H4-LED SP 450	(Optional) ⁹		- -	NEW
					-	-		
				H4-LED SM	-	-	<i>&</i>	**
MT-07	2014-8	E4 17394		H4-LED ST	-	-	<i>\$</i>	
				H4-LED VNT	-	-		NEW
			300€	W5W-LED	LEDCCU01 (Optional) ⁹			-
				H4-LED SP 450	-	-	<i>\$</i>	NEW
VIGOO	1004 2002	E4 04		H4-LED SM	-	-	s	NEV
XT600	1984-2003	E4 94		H4-LED ST	-	-	s	NEW
				H4-LED VNT	-		&	NEW

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LED Vehicle list – motorcyle	5							
Manufacturer / Model (Variant/Type)	Year of manufacture	Headlight approval number		Lamp type/ ECE	Canbus ^{5,7}	Adapter ^{6,7} /CAP	Installation/ Difficulty:	
У АМАНА		Low beam High beam Position light	□ D □ D □ 00€				Easy & Medium & Difficult & & & &	1
ТАМАПА				H4-LED SP 450	-	-	£.	NEW
RD 350	1985-1989	E4 00333 (HELLA),		H4-LED SM	-	-	۶	
טטט טח	1900-1909	E4 82 (Koito)		H4-LED ST	-	-	٤	
	_			H4-LED VNT	-	-	<u>.</u>	NEW
	1985-1989	E4 00333 (HELLA),		H4-LED SP 450	-	-		NEW
SR500				H4-LED SM	-	-		-
Chicoc		E4 82 (Koito)		H4-LED ST	-	-	<i>\$</i>	
				H4-LED VNT	-	<u>-</u>	.	NEW
				H4-LED SP 450	-	-	<i>\$</i>	NEW
SRX600	1985-1989	E4 00333 (HELLA),		H4-LED SM	-	-		
		E4 82 (Koito)		H4-LED ST	-	-		
	_			H4-LED VNT	-	-	<i>s</i>	NEW
				H4-LED SP 450	-	-	<i>§</i>	NEW
XT600	1984-2003	E4 00333 (HELLA),		H4-LED SM	-	-		NEW
	1304 2000			H4-LED ST	-	-	<u>&</u>	NEW
				H4-LED VNT	-	-	<u>.</u>	NEW

If you own a vehiacle 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.

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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⁾ Compared to minimum ECE R112 requirements. Additionally, 50% less glare

³⁾ Compared to halogen lamps

⁴⁾ Refer to www.osram.com/am-guarantee for precise conditions

⁵⁾ OSRAM offers Canbus control units to avoid error messages on the on-board computer when using LED lamps

⁶⁾ OSRAM offers installation adapters to enable installation when using LED lamps

⁷⁾ 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

⁸⁾ Until end of production

⁹⁾ Optional use of Canbus control units in case of error message on the on-board computer is recommended depending on vehicle equipment

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Compatibility list NIGHT BREAKER® LED

The NIGHT BREAKER® LED is approved for the following vehicles or headlights1: www.osram.de/night-breaker-led









Installation tutorials, product videos and more! Follow our YouTube channel:

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