



NIGHT BREAKER® LED

Compatibility list

Motorcycle

BMW	08
Ducati	09
GasGas	09
Honda	09
Kawasaki	09
KTM	10
Triumph	10
Yamaha	10

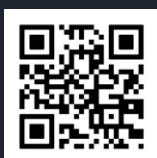
Be road ready

OSRAM

LED motorcycle lighting



NIGHT BREAKER® LED¹



Product information –
this way:
www.osram.de/ledcheck



Homologation –
Switch easily from halogen to LED light!
www.osram.com/night-breaker-led-steps

NIGHT BREAKER® LED SPEED 450 (SP 450)

Range: H4-, H7-LED

NIGHT BREAKER® LED SMART (SM)

Range: H4-, H7-LED

 UP TO +450%	 1:1 DESIGN	 UP TO 6x
 UP TO +240m	COOL WHITE 6000 KELVIN	5 YEAR OSRAM GUARANTEE ¹
 IP55	 VIBRATION RESISTANT	 VIBRATION RESISTANT
 ECO- FRIENDLY	 GLARE FREE	PLUG & PLAY
 OEM-Quality	 UNIVERSAL POLARITY	 DE-ICING FUNCTION
 INTEGRATED ACTIVE COOLING	 INNOVATIVE ELECTRONIC	

 UP TO +330%	 COMPACT DESIGN	 UP TO 6x
 UP TO +200m	COOL WHITE 6000 KELVIN	5 YEAR OSRAM GUARANTEE ¹
 IP54	 VIBRATION RESISTANT	 VIBRATION RESISTANT
 ECO- FRIENDLY	 GLARE FREE	



NIGHT BREAKER® LED VINTAGE (VNT)

Range: H4-LED + R2 adapter



Product information –
this way: www.osram.de/ledcheck

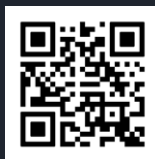


- UP TO **+330%**
- 3000** KELVIN
WARM WHITE
- CONSTANT BRIGHTNESS
- NO UV**
- UP TO **6x**
- VIBRATION RESISTANT
- IP54**
- R2 ADAPTER INCLUDED
- ECO-FRIENDLY
- GLARE FREE
- 5 YEAR** OSRAM GUARANTEE*



NIGHT BREAKER® LED W5W^B

Range: W5W-LED



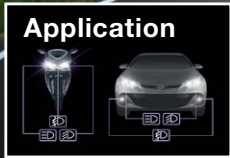
Product information –
this way: www.osram.de/ledcheck



- UNIVERSAL POLARITY
- EXTRA BRIGHTNESS*
- COOL** WHITE
5700 KELVIN
- PLUG & PLAY
- EASY INSTALLATION
- FAST EXCHANGE
- UP TO **5x**
- VIBRATION RESISTANT
- ECO-FRIENDLY
- 4 YEAR** OSRAM GUARANTEE*



ECE R37 **E1**
HOMOLOGATED



"Vehicle Lamp Finder" at
www.osram.com/vehiclelamps



NIGHT BREAKER® LED SMART ECE H11



Product information –
this way: www.osram.com/smart-ece-h11

- APPROVED FOR ALL 12V VEHICLES
- EXTRA BRIGHTNESS
- COOL WHITE 6000 KELVIN
- COMPACT DESIGN
- UP TO 6X
- 5 YEAR OSRAM GUARANTEE
- IP54
- MOTORCYCLE
- VIBRATION RESISTANT
- ECO-FRIENDLY
- GLARE FREE

↑ **ECE LED motorcycle lighting** ↓

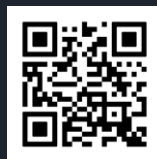


"Vehicle Lamp Finder" at
www.osram.com/vehiclelamps

ECE R37 **E1**
HOMOLOGATED



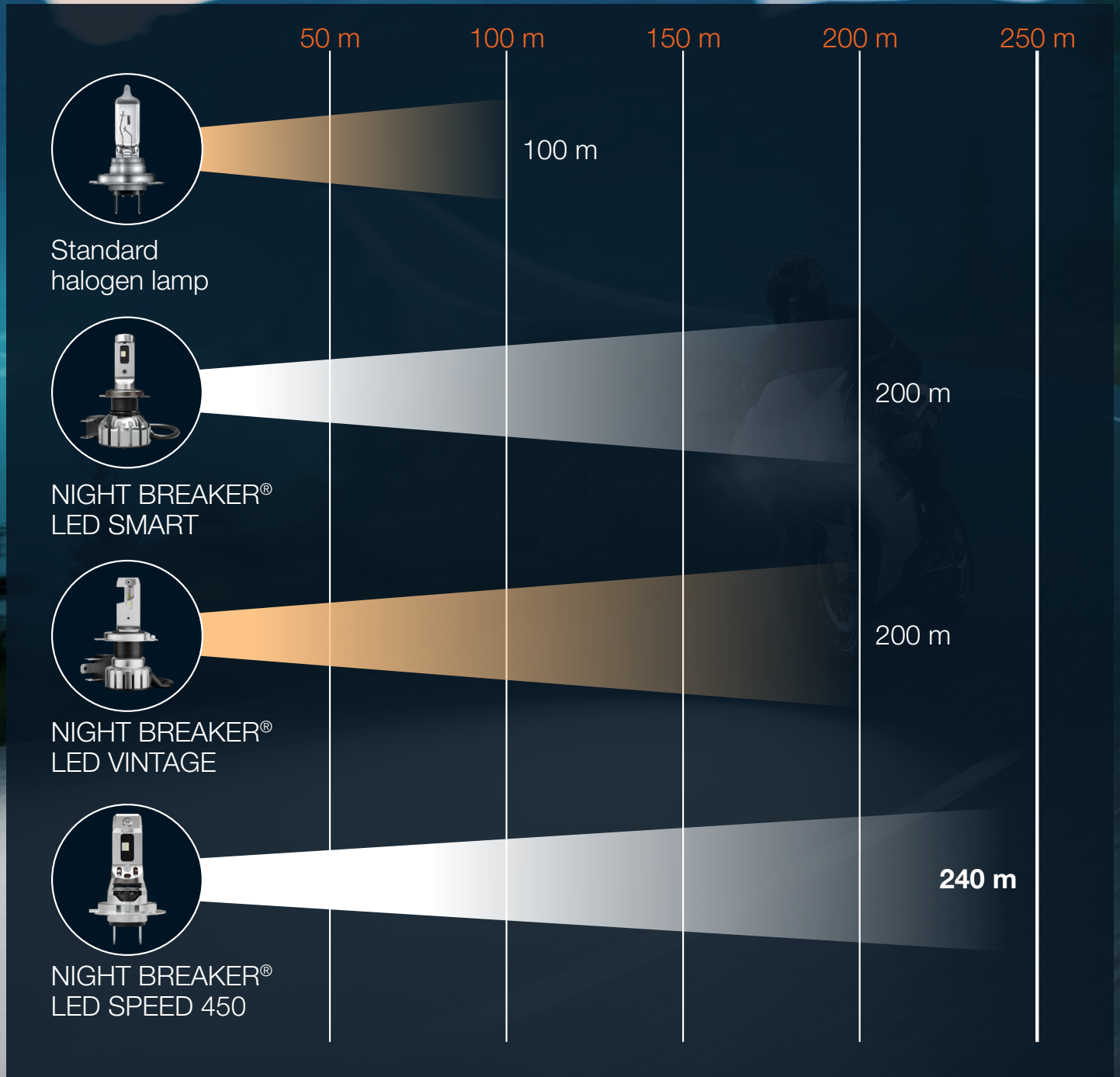
NIGHT BREAKER® LED ECE C5W



Product information –
this way: www.osram.com/ece-c5w

- APPROVED FOR ALL 12V VEHICLES
- EXTRA BRIGHTNESS
- COOL WHITE 6000 KELVIN
- UP TO 5X
- 4 YEAR OSRAM GUARANTEE
- VIBRATION RESISTANT
- UNIVERSAL POLARITY
- PLUG & PLAY
- EASY INSTALLATION
- FAST EXCHANGE
- ECO-FRIENDLY

Light comparison



LED accessories



Product information –
this way: www.osram.de/ledcheck

LEDDriving® CANBUS CONTROL UNIT

Enables compatibility with vehicle electronics

After installing NIGHT BREAKER® LED, error messages may occasionally appear in some vehicles. We therefore recommend using the accessory components listed in the compatibility list for the respective vehicle model. In rare cases – depending on the vehicle equipment and engine type – error messages may also occur in vehicles that are not explicitly listed in the compatibility list with accessory components. Please do not hesitate to contact us if you have any further questions – using the contact form: [Light is OSRAM](#).

Technical data / Order numbers


















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

Product reference	Type	V	W	K	EAN10	
64210DWNBSP-1HB	H7-LED SP 450	12	16	6.000	4062172 425360	
64210DWNBSP-1HB	H7-LED SP	12	16	6.000	4062172 411325	PHASE OUT
64193DWNBSP-1HB	H4-LED SP 450	12	14/14	6.000	4062172 422413	
64193DWNBSM-1HB	H4-LED SM	12	20/19	6.000	4062172 398114	
64193DWNBVNT-2MB	H4-LED VNT	12	20/19	3.000	4062172 421720	

OSRAM LEDriving® CANBUS CONTROL UNIT

Product reference	Type	EAN10
CANBUS CONTROL UNIT		
LEDCCU01-2HFB	Accessories W5W-LED	4052899 090873

LED Vehicle list – motorcycle

Manufacturer / Model (Variant/Type)	Year of manufacture	Headlight approval number	Lamp type/ECE	Canbus ⁵	Adapter ⁵ /CAP
BMW					
F650	1993-2000	E4 315	 H4-LED SP 450	-	-
			 H4-LED SM	-	-
			 H4-LED VNT	-	-
F800 R (K73)	2009-2019	E13 13842	 H4-LED SP 450	-	-
			 H4-LED SM	-	-
			 H4-LED VNT	-	-
			 W5W-LED	LEDCCU01 (In case of error message) ⁷	-
G650, G650 GS, G650 Xmoto, G650 Xchallenge, Megamoto	2010-2015	E3 2473	 H4-LED SP 450	-	-
			 H4-LED SM	-	-
			 H4-LED VNT	-	-
			 W5W-LED	LEDCCU01 (In case of error message) ⁷	-
K75	1985-1996	E1 14572	 H4-LED SP 450	-	-
			 H4-LED SM	-	-
			 H4-LED VNT	-	-
K100 RS/RT/LT, K1, K75, K1100 LT/RS	1983-1998	E1 34494	 H4-LED SP 450	-	-
			 H4-LED SM	-	-
			 H4-LED VNT	-	-

>>

LED Vehicle list – motorcycle 






























































Manufacturer / Model (Variant/Type)	Year of manufacture	Headlight approval number	Low beam High beam Position light	Lamp type/ECE	Canbus ⁵	Adapter ⁵ /CAP	
BMW							
R45, R60, R65, R75, R80, R90	1973-1976	E1 14572		H4-LED SP 450	-	-	
				H4-LED SM	-	-	
				H4-LED VNT	-	-	
R80 G/S	1980-1987	E5 408		H4-LED SP 450	-	-	NEW
				H4-LED SM	-	-	NEW
				H4-LED VNT	-	-	NEW
R850 R / R1150 R (R21)	2001-2003	E1 14572		H4-LED SP 450	-	-	
				H4-LED SM	-	-	
				H4-LED VNT	-	-	
R100	1976-1996	E1 14572		H4-LED SP 450	-	-	
				H4-LED SM	-	-	
				H4-LED VNT	-	-	
R1100 GS	1994-1999	E1 0237		H4-LED SP 450	-	-	NEW
R1200 RT	2005-2013	E12 00112021		H7-LED SP 450	-	-	
				H7-LED SP	-	-	
				H7-LED SM	-	-	
R nine T Scrambler	2016-2023	E13 13815		W5W-LED	LEDCCU01 (In case of error message) ⁷	-	
				H4-LED SP 450	-	-	
				H4-LED SM	-	-	
				H4-LED VNT	-	-	
				W5W-LED	LEDCCU01 (In case of error message) ⁷	-	
DUCATI							
Diavel	2010-2019	E13 12544		H7-LED SP 450	-	-	NEW
Monster	1993- ⁶	E1 14572		H4-LED SP 450	-	-	NEW
				H4-LED SM	-	-	NEW
				H4-LED VNT	-	-	NEW
GASGAS							
SM700	2019- ⁶	E13 35075		H4-LED SP 450	-	-	
				H4-LED SM	-	-	
				H4-LED VNT	-	-	
				W5W-LED	LEDCCU01 (In case of error message) ⁷	-	
HONDA							
VFR 800	2002-2010	E13 8036		H7-LED SP 450	-	-	NEW
				H7-LED SP 450	-	-	NEW
				W5W-LED	LEDCCU01 (In case of error message) ⁷	-	NEW

>>

LED Vehicle list – motorcycle 













Manufacturer / Model (Variant/Type)	Year of manufacture	Headlight approval number	Lamp type/ECE	Canbus ⁵	Adapter ⁵ /CAP
		Low beam High beam Position light	                               		

LED Vehicle list – motorcycle 

Manufacturer / Model (Variant/Type)	Year of manufacture	Headlight approval number	Lamp type/ECE	Canbus ⁵	Adapter ⁵ /CAP	
		Low beam High beam Position light	  			
KTM						
690 ENDURO R (KTM 690 LC4)	2019- ⁶	E13 35075	 	H4-LED SP 450	-	-
			 	H4-LED SM	-	-
			 	H4-LED VNT	-	-
				W5W-LED	LEDCCU01 (In case of error message) ⁷	-
690 SMC R (KTM 690 LC4)	2019- ⁶	E13 35075	 	H4-LED SP 450	-	-
			 	H4-LED SM	-	-
			 	H4-LED VNT	-	-
				W5W-LED	LEDCCU01 (In case of error message) ⁷	-
TRIUMPH						
Speed Triple (515)	2004- ⁶	E13 8758	 	H4-LED SP 450	-	-
			 	H4-LED SM	-	-
			 	H4-LED VNT	-	-
Speed Triple R	2007-2009	E13 8758 / E13 8756	 	H4-LED SP 450	-	NEW
			 	H4-LED SM	-	NEW
			 	H4-LED VNT	-	NEW
Sprint ST (1050)	2005- ⁶	E8 5509/E8 5510		H7-LED SP 450	-	-
				W5W-LED	LEDCCU01 (In case of error message) ⁷	-
Rocket 3 (C23XB)	2004-2017	E13 8758	 	H4-LED SP 450	-	-
			 	H4-LED SM	-	-
			 	H4-LED VNT	-	-
				W5W-LED	LEDCCU01 (In case of error message) ⁷	-
YAMAHA						
Fazer (RJ07)	2004-2006	E13 8691		H7-LED SP 450	-	NEW
				W5W-LED	LEDCCU01 (In case of error message) ⁷	NEW
Fazer (F26)	2004-2008	E13 8691		H4-LED SP 450	-	-
				W5W-LED	LEDCCU01 (In case of error message) ⁷	-
MT-07	2014- ⁶	E4 17394	 	H4-LED SP 450	-	-
			 	H4-LED SM	-	-
			 	H4-LED VNT	-	-
				W5W-LED	LEDCCU01 (In case of error message) ⁷	-
XT600	1984-2003	E4 94	 	H4-LED SP 450	-	-
			 	H4-LED SM	-	-
			 	H4-LED VNT	-	-
RD 350	1985-1989	E4 00333 (HELLA), E4 82 (Koito)	 	H4-LED SP 450	-	-
			 	H4-LED SM	-	-
			 	H4-LED VNT	-	-

>>

LED Vehicle list – motorcycle 

Manufacturer / Model (Variant/Type)	Year of manufacture	Headlight approval number	Lamp type/ECE	Canbus ⁵	Adapter ⁵ /CAP
		Low beam High beam Position light	  		
YAMAHA					
SR500	1985-1989	E4 00333 (HELLA), E4 82 (Koito)	 H4-LED SP 450	-	-
			 H4-LED SM	-	-
			 H4-LED VNT	-	-
SRX600	1985-1989	E4 00333 (HELLA), E4 82 (Koito)	 H4-LED SP 450	-	-
			 H4-LED SM	-	-
			 H4-LED VNT	-	-
XT600	1984-2003	E4 00333 (HELLA), E4 82 (Koito)	 H4-LED SP 450	-	-
			 H4-LED SM	-	-
			 H4-LED VNT	-	-

If you own a vehicle that is not listed in the compatibility list, but has an already approved headlight registration number – contact us directly using the contact form: [Light is OSRAM](#).

- 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 LEDriving® CANBUS CONTROL UNIT units to avoid error messages on the on-board computer when using LED lamps. Only the combination of OSRAM NIGHT BREAKER® LED lamps in conjunction with the official OSRAM accessories – LEDriving® CANBUS CONTROL UNIT (where specified) – is approved
- 6) Until end of production
- 7) The optional use of LEDriving® CANBUS CONTROL UNIT units in case of an error message from the on-board computer is recommended depending on the vehicle equipment
- 8) Approved LED light source applies to all vehicle models to specific light functions and further restrictions in the respective country. Must not be used behind red and/or yellow colored glass. Approval for use in headlights and on vehicles—such as for position, parking, and license plate lighting—has been granted in the form of a General Type Approval (ABG) for use in all vehicle models. In contrast to exterior lighting functions, interior vehicle lighting is not subject to legal restrictions regarding vehicle model or lighting function. The NIGHT BREAKER® LED W5W can therefore be used universally as a replacement light source, for example in the glove compartment, trunk, or as dashboard and reading light. For more details see: www.osram.com/nb-led.

More Automotive lighting

OSRAM product range 2025 – always up-to-date

Download the pdf of our current catalog that's constantly updated. www.osram.com/am-catalog-digital



Which lamps fit your vehicle?

Find out with our **Vehicle Lamp Finder** online app:

www.osram.com/vehicelamps



Compatibility list NIGHT BREAKER® LED

The NIGHT BREAKER® LED is approved for the following vehicles or headlights!:

www.osram.de/night-breaker-led



Stay up to date!

Follow **OSRAM Automotive on Facebook:**

www.facebook.com/osramautomotive



Get inspired and take your car to the next level!

Follow us on **Instagram:**

www.instagram.com/osram.automotive



Installation tutorials, product videos and more!

Follow our **YouTube channel:**

www.youtube.com/OSRAMAutomotive



OSRAM GmbH

Head office:

Marcel-Breuer-Strasse 4
80807 Munich, Germany
Phone +49 89 6213-0
Fax +49 89 6213-2020
www.osram.com

Find out more about us at: ams-osram.com

ams and OSRAM are registered trademarks of ams OSRAM Group. In addition, many of our products and services are registered or filed trademarks of ams OSRAM Group. All other company or product names mentioned herein may be trademarks or registered trademarks of their respective owners. www.osram.com/terms-of-use (section 4.3) or www.ams-osram.com/terms-of-use (section 3.4)

OSRAM