OSRAM NIGHT BREAKER LED SMART ECE H11



ECE Street-Legal¹⁾

The NIGHT BREAKER LED family - OSRAM's first ECE street-legal LED retrofit lamps



Approved for all 12V vehicle models¹⁾

Approved for all 12V vehicle models, in all ECE member states, for all light functions as a replacement for all H11 lamps and H11 bases



Up to 6 times longer lifetime⁵⁾

Vibration resistant. environmentally friendly, and cost-efficient



Cool white & 6000K

Modern and intense white light with a color temperature similar to daylight



A revolutionary development in the retrofitting lamp sector. The new ECE street legal NIGHT BREAKER LED SMART ECE H11. OSRAMs first ECE homologated LED retrofit lamp.

OSRAMs new NIGHT BREAKER LED SMART ECE H11 is fully homologated according to ECE R37 and consequently approved for all 12V vehicles in all ECE member states for all light functions as suitable replacement for all H11 lamps and H11 bases.

The lamp's ECE R37 homologation eliminates the need for matching headlamp approval numbers, carrying official approval documents, or applying stickers.

They offer a modern and bright white light with a color temperature of up to 6000 Kelvin and impress with its extra brightness²), while the glare of other road users falls below the permissible maximum values by up to $50\%^{2}$.

In comparison to standard lamps, such as halogen lamps, these LED retrofit lamps consume up to 60% less energy and convince thanks to LED technology and the specially developed vibration-resistant design, with up to 6 times longer life time²⁾. They have been tested in our DIN-certified environmental simulation laboratory for extreme external influences in terms of the ingress of water and dust and validated with IP protection class IP55.

You can now replace your conventional vehicle lamps with OSRAM's revolutionary NIGHT BREAKER LED retrofit lamps and experience trend-setting brightness for the first time with ECE-road approval.

Additionally, OSRAM offers a dedicated guarantee³⁾ on all NIGHT BREAKER LED retrofit lamps.

Technical data

Product information							
Application (Category and Product specific)	Product legal advice Product lega			luct legal	advice Product legal advice 3		
High beam, low beam and fog light	accordance with the minin applicable UN ECE requi R37 regulations R112 is be maxi perm		requirements of ECE la R112, while the glare is below the maximum permissible values by		•	parison to Il Halogen	
		Electrical Data					
Product legal advice 4	Global order reference					vattage	Nominal voltage
4) For precise conditions please refer to: www.osram.com/am- guarantee	64211DWNBSM-ECE 13.2 V 14 W				14 W		12 V
Photometric Data					Physical Attributes & Dimension		
Nominal luminous flux	Luminous tolerance			Light color Produ LED		t weight	Length
1350 lm	±10 %		Cool white 102.00		g	68.0 mr	
Lifetime Data Capabili		Capabilities	s Certificates & stand			ards	
Lifespan Tc	Lifespan B3	Technology			Stand	ards	
3000 hr	1500 hr	LED	ECE R37				
			EC) 1	907/2006	(REACh)		
Primary article identifier	Candidate list substance 1		CAS No. of substance 1		bstance	Safe use instruction	
4062172418331	Lead		7439-92-1		The identification of the Candidate List substance is sufficient to allow safe use of the article.		
	Application (Category and Product specific) High beam, low beam and fog light Product legal advice 4 4) For precise conditions please refer to: www.osram.com/am- guarantee Photometric Data Nominal luminous flux 1350 lm Lifetime Data Lifespan Tc 3000 hr Finary article identifier	Application (Category and Product specific)Product le 1High beam, low beam and fog light1) Homolo accordance applicable R37 regulImage: High beam, low beam and fog lightGeneral P Informatio Global ord referenceImage: High beam conditions please refer to: www.osram.com/am- guaranteeGlobal ord referenceImage: High beam placeGlobal ord referenceImage: High beam conditions please refer to: www.osram.com/am- guaranteeGlobal ord referenceImage: High beam placeGlobal ord referenceImage: High beam conditions please refer to: www.osram.com/am- guaranteeLuminous toleranceImage: High beam High beam site toleranceLuminous toleranceImage: High beam site tolerance±10 %Image: High beam site tolerance1500 hrImage: High beam High beam substanceCandidate substance	Application (Category and Product specific)Product legal advice 1High beam, low beam and fog light1) Homologated in accordance with the applicable UN ECE R37 regulationsProduct legal advice 4General Product InformationProduct legal advice 4Global order reference4) For precise conditions please refer to: www.osram.com/am- guarantee64211DWNBSM-ECEPhotometric DataLuminous flux toleranceNominal luminous flux toleranceLifetime DataLifetime DataLifespan B3Lifespan Tc B3Lifespan B33000 hr1500 hrEnvironmental & Regulatory Information Information according Art. 33 of EU Regulation (Primary article identifierPrimary article identifierCandidate List substance 1	Application (Category and Product specific) Product legal advice 1 Product legal advice 2 High beam, low beam and fog light 1) Homologated in accordance with the applicable UN ECE R37 regulations 2) C mining accordance with the applicable UN ECE R37 regulations R11 is be max perrup t Product legal 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DataLifespan B3Certificate: CategorySouth r1500 hrLEDEnvironmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006Primary article identifierCandidate List substance 1CAS No. of sul identifier	Application (Category and Product specific)Product legal advice 1Product legal advice 2High beam, low beam and fog light1) Homologated in accordance with the applicable UN ECE R37 regulations2) Compared to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 50%Product legal advice 4General Product InformationElectrical DataProduct legal advice 4Global order referenceTest voltageNominal v voltage4) For precise conditions please refer to: www.osram.com/am- guaranteeGlobal order referenceTest voltageNominal v voltagePhotometric DataLuminous flux toleranceLight color LEDProduct legn tolerancePhysica Stand category1350 lm±10 %Cool white102.00Lifetime DataLifespan B3Certificates & standa categoryLifetime DataLifespan TechnologyECE ECE Stand category3000 hr1500 hrLEDECE R Stand categorySouth r1500 hrLEDECE R Stand categoryFinary article identifierCandidate list substanceCAS No. of substance	Application (Category and Product legal advice and Product specific)Product legal advice 2Product legal advice 3High beam, low beam and fog light1) Homologated in accordance with the applicable UN ECE R37 regulations2) Compared to the minimum requirements of ECE R37 regulations3) In com traditional tamps and the gap is below the maximum permissible values by up to 50%Product legal adviceGeneral Product InformationElectrical DataProduct legal advice 4Global order referenceTest Nominal wattage voltage4) For precise conditions please refer to: www.osram.com/am- guarantee64211DWNBSM-ECE13.2 V14 WPhotometric DataLuminous flux toleranceLight color LEDProduct weight1350 lm±10 %Cool white102.00 g1Lifetime DataCapabilitiesCertificates & standardsLifetime DataLifespan TLifespan TECE R37Lifetime DataLifespan 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Product description	Declaration no. in SCIP database
NIGHT BREAKER SMART H11 ECE	b33327f1-2527-
LED	400e-ae81-
	f7f71177fc2c

Download Data

	File
∽	User instruction NIGHT BREAKER LED SMART ECE
7	User instruction GPRS_Safety symbols instructions
∽	Brochures Night Breaker LED SMART ECE H11 Specification list Installation instruction (EN)

Safety advice

Application advice:

For more detailed application information and graphics please see the product datasheet, user manual and specification list

Legal advice

1) Homologated in accordance with the applicable UN ECE R37 regulations

2) Compared to the minimum requirements of ECE R112, while the glare is below the maximum permissible values by up to 50%

3) In comparison to traditional Halogen lamps

4) For precise conditions please refer to: www.osram.com/am-guarantee

Application advice

For more detailed application information and graphics please see product datasheet.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.