

EU Declaration of Conformity

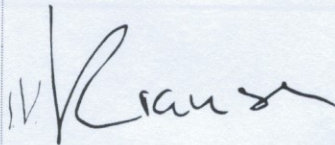
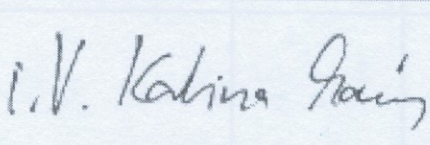
Document No.: 2024 / 9C1-4341021-EN-04

OSRAM

I. General information	
Manufacturer or representative:	OSRAM GmbH ¹
Address:	Marcel-Breuer-Str. 4 80807 München Germany
Brand name or trademark:	OSRAM
Product type:	Halogen lamp
Product designation:	Halogen lamps, below 50V
	☒ see attached list

II. Declaration ²	
The designated product(s) is (are) in conformity with the relevant Union harmonisation legislation. The conformity of the designated product(s) with the provisions of the below listed legislation is (are) given by the compliance with the European Standard(s) or other specifications listed in the annex. If not elsewhere/otherwise indicated the edition/amendment as referenced below applies:	
Legislation	Description
2011/65/EU and amendments	Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)
-	-
-	-
-	-

Date and place issued: Berlin, 03.06.2024

Signatures:		
	BU/Segment Head	Quality BU/Segment Head
Names:	Hanna Krause	Dr. Katina Maciy

¹ Customer service contact: OSRAM GmbH, Nonnendammallee 44, 13629 Berlin, Germany

² This declaration of conformity is issued under the sole responsibility of the manufacturer or representative. It confirms compliance with the indicated legislation, but it implies no warranty of properties.

EU Declaration of Conformity Annex

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III. Applicability assessment for selected legislation

The applicability of the below given legislation to these products was assessed. The results are given as subparagraphs to the listed legislation below and as markings in the product table at the end of this document:

- Products marked with the identifier '**yes**' fall under the relevant legislation.
- Products marked with the identifier '**no (TE)**' (Technical Exemption) are explicitly excluded from the relevant legislation due to their technical functional principle, technical parameters or intended use.
- Products marked with the identifier '**yes (IU)**' (Intended Use³) are exempt from the requirements of the legislation, except for certain information requirements.

Legislation		Description
2009/125/EC		Directive 2009/125/EU of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of eco-design requirements for energy-related products
2019/2020/EU		Commission Regulation (EU) 2019/2020 of 1 October 2019 laying down eco-design requirements for light sources and separate control gears pursuant to Directive 2009/125/EC of the European Parliament and of the Council and repealing Commission Regulations (EC) No 244/2009, (EC) No 245/2009 and (EU) No 1194/2012
TE	Anx.3 No.1 lit. k	This product is used in medical devices.
IU	-	-
2017/1369/EU		Directive 2017/1369/EU of the European Parliament and of the Council of 4 July 2017 setting a framework for energy labelling and repealing Directive 2010/30/EU
2019/2015/EU		Commission Delegated Regulation (EU) 2019/2015 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of light sources and repealing Commission Delegated Regulation (EU) No 874/2012
TE	Anx.4 No.1 lit. j	This product is used in medical devices.
IU	-	-

☒	The products are not intended to be visibly displayed to the end customer prior to purchase (except for online sales). ⁴
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³ The term "intended use" implies that the product is designed for a specific use only and is therefore exempt from certain eco-design and/or energy efficiency labeling requirements.

⁴ Due to this statement energy-labelling of a single product package can be omitted.

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IV. European harmonized standards or technical specifications

The harmonized standards (including all currently valid amendments), risk analyses, product audits or technical specifications listed below were used to check the product conformity.

Standard (EU)	Standard (IEC)	Description
EN IEC 63000:2018	IEC 63000:2016	<i>Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances</i>
EN 60432-3:2013	IEC 60432-3:2012	<i>Incandescent lamps - Safety specifications - Part 3: Tungsten-halogen lamps (non-vehicle)</i>
Product Audit	Product Audit	<i>Product Audit</i>
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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V. List of products				Eco-design & Energy labelling applicable? yes/no (note)	
Description	Ident code	Watt.[W]	Volt.[V]	2019/2015/EU	2019/2020/EU
62138 HLX	A16345A	100	12	no (TE)	no (TE)
62139 HLX	AA38040	150	12	no (TE)	no (TE)
64222	A25611C	10	6	no (TE)	no (TE)
64222 +	AA35279	10	6	no (TE)	no (TE)
64223	A124429	10	6	no (TE)	no (TE)
64225	A098239	10	6	no (TE)	no (TE)
64225	AM48607	10	6	no (TE)	no (TE)
64250	A180267	20	6	no (TE)	no (TE)
64250	AM48606	20	6	no (TE)	no (TE)
64251	A295300	20	6	no (TE)	no (TE)
64251 HLX	A312187	20	6	no (TE)	no (TE)
64251 HLX +	AA35280	20	6	no (TE)	no (TE)
64258	AM50729	20	12	no (TE)	no (TE)
64258	A18661B	20	12	no (TE)	no (TE)
64258	AM46689	20	12	no (TE)	no (TE)
64258-C	AA69181	20	12	no (TE)	no (TE)
64258-C	AM46689	20	12	no (TE)	no (TE)
64258-J	AA31736	20	12	no (TE)	no (TE)
64258-J	AM46689	20	12	no (TE)	no (TE)
64258-T	AA33161	20	12	no (TE)	no (TE)
64260	A130980	30	12	no (TE)	no (TE)
64260 +	AA35281	30	12	no (TE)	no (TE)
64261	A13163B	30	12	no (TE)	no (TE)
64265	A322171	30	6	no (TE)	no (TE)
64265	AM50746	30	6	no (TE)	no (TE)
64275	A180138	35	6	no (TE)	no (TE)
64275	AM50745	35	6	no (TE)	no (TE)
64291 XIR	A583178	40	22.8	no (TE)	no (TE)
64292 XIR	A583225	150	22.8	no (TE)	no (TE)
64602	A18465F	50	12	no (TE)	no (TE)
64604	A309141	50	12	no (TE)	no (TE)
64610 HLX	A147731	50	12	no (TE)	no (TE)
64610 HLX	A17549D	50	12	no (TE)	no (TE)
64611 HLX	A14982D	50	12	no (TE)	no (TE)
64621	A30089A	100	12	no (TE)	no (TE)
64623 HLX	A165551	100	12	no (TE)	no (TE)
64625 HLX	A14774E	100	12	no (TE)	no (TE)
64626	A15631E	100	12	no (TE)	no (TE)
64628 FDT	A141869	100	12	no (TE)	no (TE)
64633 HLX	A14775A	150	15	no (TE)	no (TE)
64638 HLX	A185022	100	24	no (TE)	no (TE)
64640 HLX	A37068A	150	24	no (TE)	no (TE)
64641 HLX	A38653F	150	24	no (TE)	no (TE)
64642 HLX	A385626	150	24	no (TE)	no (TE)
64643 FDS	A14185D	150	24	no (TE)	no (TE)
64644 HLX	AC10385	95	17	no (TE)	no (TE)
64647	A326995	120	24	no (TE)	no (TE)
64650	A182604	50	22.8	no (TE)	no (TE)
64652 HLX	AA66827	250	24	no (TE)	no (TE)

OSRAM

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Certificate DE22/819945879.00

The management system of

ams-OSRAM AG

SGS

amun OSRAM

Tobelbader Strasse 30, Schloß Premstätten, AT 8141 Premstätten

has been assessed and certified as meeting the requirements of

ISO 14001:2015

For the following activities

Design, development, manufacturing and sales of products and services for the optical solutions for Sensing, Illumination, Visualization

This certificate is valid from 20 December 2022 until 20 December 2025 and remains valid subject to satisfactory surveillance audits.

Issue 4. Certified since 26 April 2022

Multiple certificates have been issued for this scope, the main certificate is numbered DE22/819945879.00

Certified activities performed by additional sites are listed on subsequent pages.

Organization certified since 28 September 2021 and first certified by SGS on 26 April 2022.

Jonathan M. Hall

Authorised by

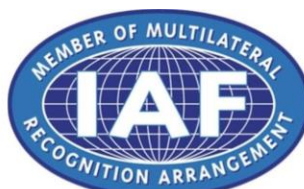
Jonathan Hall

Global Head - Certification Services

SGS United Kingdom Ltd

Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN, UK

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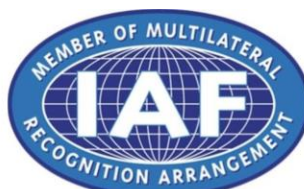


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ISO 14001:2015

Issue 4
Sites
ams-OSRAM AG Tobelbader Strasse 30, Schloß Premstätten, AT 8141 Premstätten
Design and Production of sensor solutions, sensor ICs, interfaces and related software
ams-OSRAM Asia Pacific Pte. Ltd. 11 Tampines Industrial Crescent, SG 528606 Tampines
Production of sensor solutions, sensor ICs, interfaces and related software
OSRAM Opto Semiconductors (Malaysia) Sdn. Bhd. Zon Industri Fasa 1, Taman Perindustrian Hi-Tech Kulim, MY 09090 Kedah Darul Aman
Design, development and production of opto semiconductor wafer, opto electronic components and displays
OSRAM Česká republika s.r.o. Zahradní 1442/46, CZ 792 01 Bruntál
Development, manufacturing and sales of fine wires and coils, dies and nozzles; manufacturing of Display/Optic lamps and products
ams-OSRAM Asia Pacific Pte. Ltd. 7000 Ang Mo Kio Avenue 5. #05-00, SG 569877 Ang Mo Kio
Production of sensor solutions, sensor ICs, interfaces and related software



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ISO 14001:2015

OSRAM Opto Semiconductors (Malaysia) SDN. BHD
Bayan Lepas Free Industrial Zone Phase 1, MY 11900 Bayan Lepas, Penang

Design, development, and production of opto semiconductor wafer, opto electronic components and displays

ams Asia Inc.
No.2 Makiling Drive, Carmelray, Industrial Park II, Brgy. Milagrosa, PH 4027 Milagrosa Calamba City

Design and Production of sensor solutions, sensor ICs, interfaces and related software

OSRAM GmbH
Nonnendammallee 44, DE 13629 Berlin

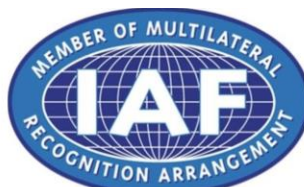
Development and production of HID lamps and glass tubes for different application

OSRAM Kunshan Display Optic Co., Ltd
No.2 building, No. 179 Waihejing Road, Kunshan Free Trade Zone (KFTZ), CN 215300 Kunshan, Jiangsu Province, P.R. China

Design, development and manufacturing of
P-VIP lamp and LED systems

ams-OSRAM Opto Semiconductors, Inc.
129 Portsmouth Avenue, US 03833 Exeter, New Hampshire

Manufacture of LED converter platelets



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ISO 14001:2015

OSRAM, a.s.
Komárňanská cesta 7, SK 94002 Nové Zámky

Manufacturing, research and development (R&D) of automotive lamps. Manufacturing and sales of high pressure discharge lamps (HPD) and halogen lamps. Assembly of special luminaries. Machine and equipment engineering

ams OSRAM Automotive Lighting Systems Italia Srl
Via Castagnole 65/A, IT 31100 Treviso

Design and manufacturing of lighting products and lighting systems

OSRAM China Lighting Ltd.
No. 1 North Industrial Road, CN 528000 Foshan City, Guangdong Province, P.R. China

Manufacturing and sales of lighting products

OSRAM Opto Semiconductors (China) Co. Ltd.
No. 57, XiQin Rd Wuxi XinWu District, CN 214028 Jiangsu, P.R. China

Design and production of opto semiconductor components

OSRAM GmbH
An der Bahnbrücke, DE 89542 Herbrechtingen

Development and manufacturing of automotive light sources and production of chemical pre-materials



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ISO 14001:2015

OSRAM SYLVANIA INC
275 West Main Street, Hillsborough, US New Hampshire, NH 03244

Design, development & manufacturing of automotive light sources

ams-OSRAM International GmbH
Leibnizstraße 4, DE 93055 Regensburg

Design, development and production of opto semiconductor wafer, opto electronic components and displays

Clay Paky S.p.A.
Via Pastrengo 3/b, IT 24068 Seriate (BG)

Design, manufacture and sale of luminaires, lighting effects and accessories for art, stage and entertainment applications

OSRAM GmbH
Mittelstetter Weg 2, DE 86830 Schwabmünchen

Design, development and manufacturing of pre-materials for lamps, heat industry and components

OSRAM S.p.A.
Via Castagnole 65/A, IT 31100 Treviso

Development and production of LED Light Engines and Modules, LED power supplies, Light Management System, Luminaires, traditional and LED lamps, electronic ballast



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ISO 14001:2015

OSRAM SYLVANIA INC
816 Lexington Avenue Warren, US Pennsylvania, PA 16365

Manufacture of molded plastic components, small metal stampings for the lighting and automotive industries and molded plastic parts for various applications



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Technical Information

No. FO 4374

Edition: 02/04 - subject to change

Substitutes: 06/02

Status: valid

Tungsten Halogen Low Voltage Lamp

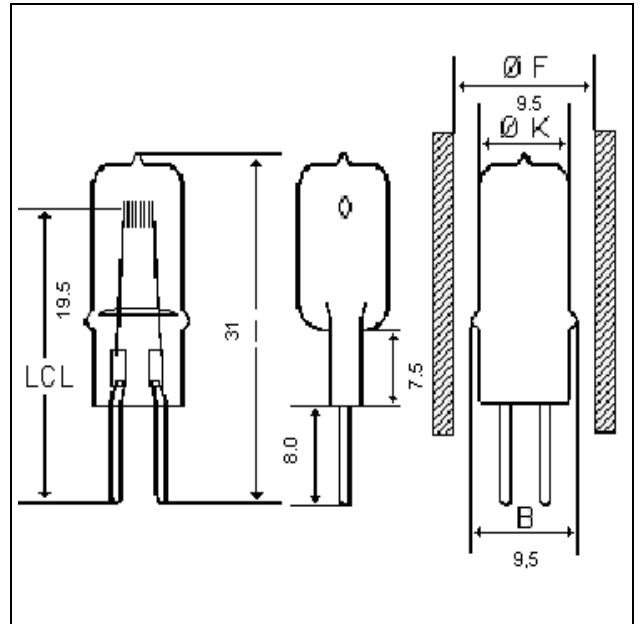
64225

■ Product description

The OSRAM 64225 is a tungsten halogen low voltage lamp for technical and medical applications.

■ Technical data

Order reference		64225
ANSI		ESA
LIF		M/29
Rated lamp wattage	W	10
Rated lamp voltage	V	6
Luminous flux	lm	200
Color temperature	K	approx. 3000
Lamp length (overall) l	mm	31
Diameter K	mm	9.5
Pinch width B	mm	9.5
q	mm	5
LCL	mm	19.5
Type of filament		C - 6
Filament dimensions	mm ²	approx. 1.7x 0.65
Average service life	h	100
Base		G4
Deviation from base axis not more than :	mm	0.8



■ Lamp operation

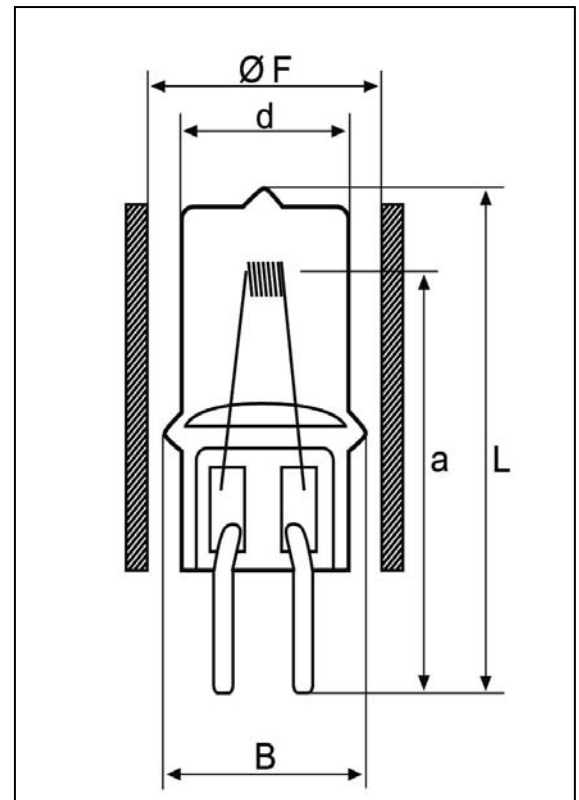
Maximum allowed temperature on molybdenum foils	°C	400
Burning position		S90
Further	F denotes minimum free space required due to the size of the lamp. In practice a greater free space may be necessary to get heat emission under control. (min. 12 mm)	

■ Product description

The OSRAM 64250 HLX is a tungsten halogen low voltage lamp which is used for projection.

■ Technical data

Order reference	HLX 64250	
ANSI	ESB	
LIF	M/30	
Rated lamp wattage	W	20
Rated lamp voltage	V	6
Average service life	h	100
Color temperature	K	3200
Luminous flux	lm	460
Base	G4	
Diameter d	mm	max. 9.5
Lamp length (overall) L	mm	max. 31
LCL a	mm	19.4 ± 0.25
Pinch Width B	mm	max. 10
Filament dimensions (w x h)	mm	ca. 2.3 x 0.8
Type of filament	Round-core C-6	
Deviation from base axis not more than:	mm	0.8



■ Lamp operation

Maximum allowed temperature on molybdenum foils	°C	400
Burning position	s90	
Further	F denotes minimum free space required due to the size of the lamp. In practice a greater free space may be necessary to get heat emission under control. (min. 12 mm)	

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Title English	Materialdecl. - G4 9 x 31	Status & Code	RL: Released
Add. classification		EDOS No. [Vers][Part]	ZCI 2660288[00][000]
Last change	500000231547 Materialdeklaration D0 Halogen	Valid from	12 March 2009

Materialdeklarationsliste und RoHS Konformitätserklärung / Material Declaration Sheet and RoHS Compliance Declaration

1. Produktgruppe / Product Group						
64225, 64250HLX, 64265 HLX						
2. RoHS ¹⁾ Konformitätserklärung / RoHS ¹⁾ Compliance Declaration						
- Hiermit bestätigen wir, dass die in der EU in Verkehr gebrachte Lampen der genannten Produktgruppe den Anforderungen der RoHS (2002/95/EG) und der OSRAM Index Liste Umwelt entsprechen. - With this, we confirm that lamps of the above mentioned product group put on the EU market, fulfill the requirements of RoHS (2002/95/EG) and OSRAM Index List Environment.						
3. Materialdeklarationsliste der unverpackten Lampe ^{2) 3)} / Material Declaration Sheet of the unpacked lamp ^{2) 3)}						
Produktteil / product part	Produktunterteil / product subpart	Materialien / materials	CAS-Nr. ⁴⁾	Masse / mass ⁵⁾ (g)	(%)	compositions (%)
bumer	bulb	quartz	14808-60-7	1,06	91,21%	
	coil	tungsten	7440-33-7	0,009	0,73%	
	coil support	tungsten	7440-33-7			
	foils	molybdenum	7439-98-7	0,005	0,43%	
	pins	molybdenum	7439-98-7	0,089	7,63%	
			Gesamt / Total:	1,20	100%	
4. Kontakt / Contact						
Adresse / Address:		OSRAM GmbH Hellabrunner Straße 1 D-81543 München Deutschland				
Email:		Umwelt@info.osram.de or environment@info.osram.com				
FAX:		+49 89 6213 - 3463				
Internet:		www.osram.com				
5. Legende / Legends						
1) gemäß "EU-Richtlinie zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten" Ausgabe 2002/95/EG / " Restriction of the use of certain Hazardous Substances" current version available under http://ec.europa.eu/environment/waste/weee_index.htm and OSRAM Index list http://www.osram.de/pdf/ueber_ uns/indexliste.pdf 2) gemäß DIN 19220 "Verfahren zur Deklaration von Materialien in Produkten der Elektro- und Elektronikindustrie" / according to DIN 19220 "Procedure for the declaration of materials in products of the electrotechnical and electronic industry". 3) Deklariert sind alle Stoffe mit einem Gewichtsanteil von mehr als 0.1% der unverpackten Lampe. Declared are all materials with a parts % value of more than 0.1% of the unpacked lamp. 4) Inhaltsstoffnummer nach CAS "Chemical Abstracts Service" www.cas.org 5) Mittleres Gewicht (Abweichungen möglich) / average weight (deviate possible)						