

DECLARATION of CONFORMITY

Substances in products

Legal Requirements & Standards for the EU-Market

Placing on the market of products is subject to specific regional (EU) or national legal requirements. Within the European Union (EU), these legal requirements are defined in EU-Regulations which are directly enforceable in the Member States or in EU-Directives which require a transformation into Member States' national legal systems. Compliance with the applicable legal requirements is obligatory for every party putting products on the EU-Market. Therefore OSRAM bears responsibility.

The following Directives and Regulations restrict the use of hazardous substances in products and packaging (see also: www.osram.com/ile):

- **Directive 2011/65/EU ("RoHS") incl. amendments**
(see also http://ec.europa.eu/environment/waste/rohs_eee/legis_en.htm
RoHS conformity is also part of the below mentioned CE labelling scheme)
- **Directive 2000/53/EC ("End-of-life vehicles – ELV")**
- **Directive 94/62/EC ("Packaging Directive")**
- **Directive 2006/66/EC ("Battery Directive")**
- **Regulation (EC) No 1907/2006 ("REACH") incl. amendments**
(see also www.osram.com/reach with information on products containing so-called
"substances of very high concern" of the [candidate list](#) in articles)

The CE mark on our products indicates conformity with Directives and Regulations covering product safety, electromagnetic compatibility and product performance. Conformity with the following and all other CE relevant regulations is attested in separate EC Declarations of Conformity:

- Directive 2014/35/EU ("Low Voltage Directive - LVD"), Recast of 2006/95/EC
- Directive 2014/30/EU ("Electromagnetic Compatibility Directive - EMC") Recast of 2004/108/EC
- Directive 2009/125/EC ("Energy related Products" Framework Directive)
and its Implementing Measures:
 - Regulation (EC) No 244/2009, amended by Regulations (EC) 859/2009 and (EU) 1428/2015
 - Regulation (EC) No 245/2009, amended by Regulations (EC) 347/2010 and (EU) 1428/2015
 - Regulation (EU) No 1194/2012, amended by Regulation (EU) 1428/2015
 - Regulation (EU) No 874/2012 ("Energy Labelling"), amended by Regulation (EU) 518/2014

Postal address:
OSRAM GmbH
80920 Munich

Office address:
OSRAM GmbH
Marcel-Breuer-Strasse 6
80807 Munich

OSRAM GmbH
Munich
Chairman of the
Supervisory Board:
Peter Bauer

Managing Directors:
Dr. Olaf Berlien
(Chairman)
Ingo Bank
Dr. Stefan Kampmann

Commercial registry:
Munich HRB 201526
WEEE-Reg.-Nr. DE 71568000

OSRAM Declaration: Substances in products

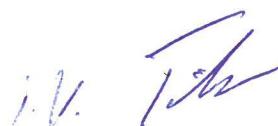
- Products delivered by OSRAM into the EU-Market today and in the future satisfy the applicable legal requirements, as well as the applicable product standards (EN/IEC).
- OSRAM installed a system within its company which ensures compliance with the applicable legal requirements. This system includes products, parts and materials procured from suppliers.
- According to Directive 2011/65/EU ("RoHS") including amendment of Annex II (2015/863/EU) OSRAM's products delivered into EU market do not contain the following substances exceeding defined maximum concentration values, unless in an application exempted by Annex of RoHS Directive (incl. amendments).

Substances / application	Maximum concentration values tolerated by weight in homogeneous materials (2011/65/EU – RoHS)
Lead (Pb)	0.1 %
Mercury (Hg)	0.1 %
Cadmium (Cd)	0.01 %
Hexavalent chromium (Cr ⁶⁺)	0.1 %
Polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE)	0.1 %
Bis(2-ethylhexyl) phthalate (DEHP)	0.1 % (banned in EEE as of July 22, 2019)
Benzyl butyl phthalate (BBP)	0.1 % (banned in EEE as of July 22, 2019)
Dibutyl phthalate (DBP)	0.1 % (banned in EEE as of July 22, 2019)
Diisobutyl phthalate (DIBP)	0.1 % (banned in EEE as of July 22, 2019)

Munich, February 20th, 2019



Ute Schindhelm
Vice President
Quality Management



Dr. Dirk Toeppen
Senior Director
Environment, Health & Safety

OSRAM GmbH
Environment, Health and Safety
Briefadresse: 80920 München
Hausadresse: Marcel-Breuer-Straße 6
80807 München

OSRAM



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that

OSRAM Opto Semiconductors GmbH

**Leibnizstraße 4
93055 Regensburg
Germany**

has established and applies
a Quality Management System for

**Design and manufacturing of
opto semiconductor wafer,
opto electronic components and displays**
(with Product Design as per Chapter 8.3).

An audit was performed and has furnished proof
that the requirements according to

IATF 16949

First Edition 2016-10-01

are fulfilled.

Issue date: **2021-08-10**

Expiry date: **2024-08-09**

Certificate Registration No.: **12 111 46091/05 TMS**

IATF Certificate No.: **0416349**

Part of the certificate is an appendix.

Head of Certification Body
Munich, 2021-08-12



Management Service

Appendix of Certificate Registration No.:
12 111 46091/05 TMS
IATF Certificate No.: 0416349

OSRAM Opto Semiconductors GmbH
Leibnizstraße 4
93055 Regensburg
Germany

The site is supported by the following remote locations:

Address	Supporting functions
OSRAM Opto Semiconductors, Inc. Kifer Road 1150 Sunnyvale, California, CA 94086 USA	Customer service, Logistics
OSRAM GmbH Marcel-Breuer-Straße 6 80807 München Germany	Policy making, Quality system management, Sales

Head of Certification Body
Munich, 2021-08-12



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH
certifies that

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

has established and applies
a Quality Management System for

**Design and Production of
Opto Semiconductors components**
(with Product Design as per Chapter 8.3).

An audit was performed and has furnished proof
that the requirements according to

IATF 16949
First Edition 2016-10-01

are fulfilled.

Issue date: **2021-08-02**

Expiry date: **2024-08-01**

Certificate Registration No.: **12 111 46091/69 TMS**

IATF Certificate No.: **0414576**

Part of the certificate is an appendix.

Head of Certification Body
Munich, 2021-08-04

Page 1 of 2



Management Service

Appendix of Certificate Registration No.:
12 111 46091/69 TMS
IATF Certificate No.: 0414576

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

The site is supported by the following remote locations:

Address	Supporting functions
OSRAM Opto Semiconductors, Inc. Kifer Road 1150 Sunnyvale, California, CA 94086 USA	Customer service, Logistics
OSRAM Opto Semiconductors GmbH Leibnizstraße 4 93055 Regensburg Germany	Aftersales, Contract review, Customer service, Finance, Human resources, Logistics, Marketing, Policy making, Product design, Purchasing, Quality system management, R&D, Sales, Strategic planning

Head of Certification Body
Munich, 2021-08-04

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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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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

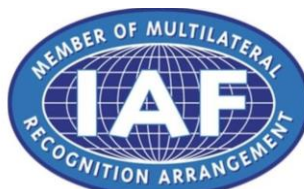
Manufacturing and sales of lighting products

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

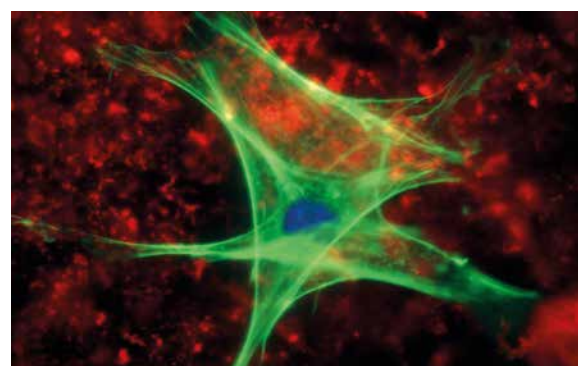
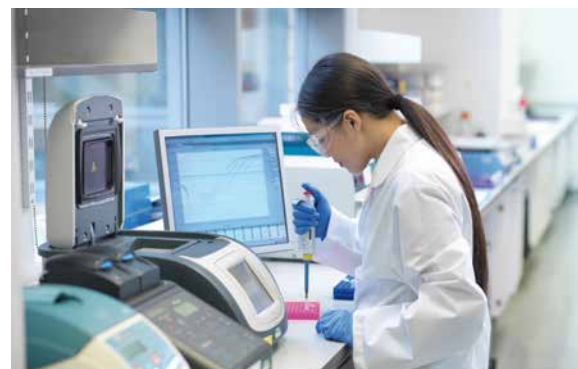
OSRAM SYLVANIA INC
816 Lexington Avenue Warren, US Pennsylvania, PA 16365

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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Light is analyzing

High quality lamps for laboratories

- Microscopy
- Inspection
- Analytics
- Research
- Sterilization
- Purification
- Drying
- Curing
- Diagnostics
- Forensics
- Solar Simulation
- Spectrophotometry

Light is **OSRAM**





OSRAM

Lamp choices for laboratories

As a leader in light source technology, OSRAM offers high performing lamps for a broad range of laboratory equipment from microscopes and analyzers to water and air purifiers.

A brand you can rely on is important for the smooth operation of any laboratory.

For additional product options visit www.osram-americas.com/laboratory.

		Product Number	Ordering Abbreviation	Wattage	Voltage
Halogen - HLX®		54261	ESB 64250 HLX	20	6
		54606	64265 HLX	30	6
		54249	BRL 64610 HLX	50	12
		54248	FCR 64625 HLX	100	12
		54263	FCS 64640 HLX	150	24
HBO® and HXP® Mercury Discharge		69215	HBO 50W / 3	50	22
		69213	HBO 50W AC L1	50	37
		69217	HBO 100W / 2	100	20
		69182	HBO 103W / 2	103	22
		69311	HBO R 103W / 45	103	22
		69119	HXP R 120W / 45C VIS	120	85
		69120	HXP R 120W / 45C UV	120	85
XBO® Xenon Discharge		69232	XBO 75W / 2 OFR	75	14
		69231	XBO 75W / 2	75	14
		69238	XBO 150W / 4	150	20
		69234	XBO 150W / 1	150	20
		69237	XBO 150W / CR OFR	150	18
		69245	XBO 450W OFR	450	18
PURITEC® Germicidal (UV-C) and Blacklight (UV-A)		Product Number	Ordering Abbreviation	Wattage	Type
		23397	G4T5 / OF	4	UV-C Linear T5
		21259	G15T8 / OF	15	UV-C Linear T8
		21080	G30T8 / OF	30	UV-C Linear T8
		23392	GFT36DL / 2G11 / SE / OF	36	UV-C Compact L
		21062	GCF9DS / G23 / SE / OF	9	UV-C Compact S
		20825	F8T5 / BLB	8	UV-A Linear T5
		21623	F15T8 / 350BL	15	UV-A Linear T8
		22113	F20T12 / 350BL	20	UV-A Linear T12

OSRAM

Americas Headquarters

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Phone: 978-570-3000

www.osram.us

OSRAM

Professional and Industrial Applications

Specialty Lighting

OSRAM SYLVANIA Inc.

129 Portsmouth Avenue

Exeter, NH 03833

United States: 888-677-2627

Canada: 800-729-3777

Mexico: 525-899-1807

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DO033R3 8-17

OSRAM

Display/Optic Lamps



1



2



3



4

Low voltage halogen without reflector (HLX)

- XENOPHOT® (HLX) lamps have a Xenon gas filling
- Up to 10% greater luminous flux than a Krypton gas filled version
- Ideal for stage and studio lighting

Product ID Code	EAN (Single Pack)	ANSI	LIF	W	V	lm		No.	PPG
6V version									
HLX64250	4050300012407	ESB	M30	20	6	460	G4	2	40 38
HLX64251	4050300338316	—	—	20	6	500	PG22	1	30 38
HLX64265	4008321107053	—	—	30	6	765	G4	2	40 38
12V version									
HLX64610	4050300006697	BRL	A1220	50	12	1600	G6.35	2	40 38
HLX64611	4008321107091	—	—	50	12	1350	G6.35	2	40 38
HLX62138	4050300242958	—	—	100	12	2800	G6.35	3	40 38
HLX64621	4050300535531	—	—	100	12	2750	PG22	1	30 38
HLX64623	4050300012018	EVA	M28	100	12	2800	GY6.35	2	40 38
HLX64625	4050300006703	FCR	A1215	100	12	3600	GY6.35	2	40 38
15V Version									
HLX64633	4050300006710	BRJ	A1234	150	15	5600	G6.35	2	40 38
24V Version									
HLX64638	4050300283050	—	—	100	24	2900	G6.35	2	40 38
HLX64640	4050300006727	FCS	A1216	150	24	6000	G6.35	2	40 38
HLX64641	4050300048260	—	—	150	24	2700	G6.35	2	40 38
HLX64642	4050300012025	FDV	M184	150	24	5000	G6.35	2	40 38
HLX64654	4008321241399	—	—	250	24	9000	GY9.5	4	12 38
HLX64655	4050300006734	EHJ	A1223	250	24	10000	G6.35	2	40 38
HLX64657	4050300012001	EVC	M33	250	24	9000	G6.35	2	40 38
HLX64656	4050300023120	FNT	—	275	24	10000	G6.35	2	40 38
36V Version									
HLX64663	4050300006741	EVD	A1239	400	36	16000	G6.35	2	40 38
HLX64664	4008321241474	—	—	400	36	14500	G6.35	2	40 38
HLX64665	4008321099761	—	—	400	36	12200	G6.35	2	12 38



All orders must be multiples of sales pack