

# EU Declaration of Conformity

Document number: 2021 / 9C1-3758269-EN-01

Manufacturer or representative: Osram Opto Semiconductors Inc.

Address: 651 River Oaks Parkway  
San Jose, CA 95134  
USA

Brand name or trade mark: LED Engin

Product type: LED modules

Product designation: LuxiTune family, see attached list

The designated product(s) is (are) in conformity with the relevant Union harmonisation legislation:

<b>2014/30/EU</b>	Directive of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility; Official Journal of the EU L96, 29/03/2014, p. 79-106
<b>2011/65/EU and amendments</b>	Directive 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; Official Journal of the EU L174, 1/07/2011, p. 88-110
<b>2009/125/EC and amendments</b>	Directive of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products
<b>(EU) 2019/2020 and amendments</b>	COMMISSION REGULATION (EU) 2019/2020 of 1 October 2019 laying down ecodesign 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

Last two digits of the year in which the CE marking was affixed: 21

Place and date of signatures: San Jose, 2021-08-19

Signatures: David Tahmassebi  
David Tahmassebi (Aug 19, 2021 11:29 PDT)

Qiuming Liu  
Qiuming Liu (Aug 24, 2021 21:55 PDT)

BU/Segment Head

Quality Region/Segment Head

Names: Mr. David Tahmassebi

Ms. Qiuming Liu

EU importer: OSRAM Opto Semiconductors GmbH, Leibnizstraße 4, 93055 Regensburg, Germany.

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

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## 2014/30/EU

The conformity of the designated product(s) with the provisions of this European Directive is given by the compliance with the following European Standard(s) or other specifications.

If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

<b>EN 55015:2013</b>	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
<b>EN 61547: 2009</b>	Equipment for general lighting purposes — EMC immunity requirements
<b>EN 61000-3-2: 2014</b>	Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase)
<b>EN 61000-3-3: 2013</b>	Electromagnetic compatibility (EMC) — Part 3-3: Limits — Limitation of voltage changes, voltage fluctuations and flicker in public low voltage supply systems, for equipment with rated current $\leq 16$ A per phase and not subjected to conditional connection

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## 2011/65/EU and amendments

The conformity of the designated product(s) with the provisions of this European Directive is given by the compliance with the following European Standard(s) or other specifications.

If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

<b>EN IEC 63000:2018</b>	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
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## List of additional Standards the product is compliant to:

<b>EN 55015:2013 + A1:2015</b>	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
<b>EN 62031:2008 + A1:2013 + A2:2015</b>	LED modules for general lighting — Safety specifications
<b>EN 61347-2-13:2014 + A1:2017</b>	Lamp controlgear — Part 2-13: Particular requirements for d. c. or a. c. supplied electronic controlgear for LED modules
<b>EN 61347-1: 2015</b>	Lamp controlgear — Part 1: General and safety requirements
<b>EN 62493:2015</b>	Assessment of lighting equipment related to human exposure to electromagnetic fields
<b>IEC/TR 62778: 2014</b>	Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
<b>EN 62471:2008</b>	Photobiological safety of lamps and lamp systems

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## List of devices:

Gen 3.1 LED Modules			
	Ordering PN	Internal Assembly PN	Description
1100lm	LTC-Y3T300000-1B1		Gen 3.1, 1100lm Kit, includes
		3301-00039	LZC Emitter on 49mm MCPCB
		3300-00036	0-10V Driver Board
	LTC-53T300000-1B1		Gen 3.1, 1100lm Kit, includes
		3301-00117	LZC Emitter on 35mm MCPCB
		3300-00036	0-10V Driver Board
2000lm	LTP-Z0T300000-3B1		Gen 3.1, 2000lm Kit, includes
		3301-00041	LZP Emitter on 49mm MCPCB
		3300-00030	0-10V Driver Board

Gen 2.4 LED Modules			
	Ordering PN	Internal Assembly PN	Description
1100lm			
	LTC-X3T300000-1C1	3300-00079	Gen 2.4, 1100lm Kit, includes Emitter on 46mm Hybrid PCB & 0-10V/BLE Driver
	LTC-X3T300000-1C5	3300-00079	Gen 2.4, 1100lm Kit, includes Emitter on 46mm Hybrid PCB & 0-10V/DALI Driver

Gen 3.1 Daughter Cards			
	Ordering PN	Internal Assembly PN	Description
	LTB4-DALI	3300-00032	Gen 3.1 DALI Daughter Card
	LTB6-RDM1	3300-00034	Gen 3.1 DMX-RDM Daughter Card

Gen 2.4 Daughter Cards			
	Ordering PN	Internal Assembly PN	Description
	LTC4-DALI	3300-00083	Gen 2.4 DALI Daughter Card
	LTC6-RDM1	3300-00084	Gen 2.4 DMX-RDM Daughter Card

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<b>TIR Secondary Lenses</b>		
	<b>Ordering PN</b>	<b>Description</b>
1100lm	LLNF-4T08-H	LZC Multi-Color, Narrow Flood - Color Mixing, 24° Beam angle (FWHM)
	LLFL-6T08-H	LZC Multi-Color, Flood - Color Mixing, 34° Beam angle (FWHM)
	LLWF-6T08-H	LZC Multi-Color, Wide Flood - Color Mixing, 45° Beam angle (FWHM)
2000lm	LLNF-4T11-H	LZP Multi-Color, Narrow Flood - Color Mixing, 21° Beam angle (FWHM)
	LLFL-6T11-H	LZP Multi-Color, Flood - Color Mixing, 36° Beam angle (FWHM)
	LLWF-6T11-H	LZP Multi-Color, Wide Flood - Color Mixing, 45° Beam angle (FWHM)