



Test Report issued under the responsibility of:



TEST REPORT
IEC 61347-2-13
Part 2: Particular requirements:
Section 13 – d.c. or a.c. supplied electronic controlgear for
LED modules

Report Number .....: 276377-TL4-1
Date of issue .....: 2019-12-02, 2019-12-06, 2020-01-20
Amendment No. 1:2020-08-26,
Amendment No. 2:2020-09-10
Total number of pages ..... 6

Name of Testing Laboratory VDE Prüf- und Zertifizierungsinstitut GmbH
preparing the Report .....: VDE Testing and Certification Institute

Applicant's name.....: OSRAM GmbH
Address .....: Marcel-Breuer-Str. 6; 80807 München; Germany

Test specification:
Standard .....: IEC 61347-2-13:2014, AMD1:2016 used in conjunction with
IEC 61347-1:2015, AMD1:2017
Test procedure .....: CB Scheme
Non-standard test method .....: N/A

Test Report Form No.....: IEC61347\_2\_13G
Test Report Form(s) Originator.....: Intertek Semko AB
Master TRF .....: 2017-12-01

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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

<b>Test item description</b> .....	Electronic Controlgear for LED Modules	
<b>Trade Mark</b> .....	OSRAM	
<b>Manufacturer</b> .....	OSRAM GmbH; Marcel-Breuer-Str. 6; 80807 München; Germany	
<b>Model/Type reference</b> .....	OT 165/170-240/1A0 4DIMLT2 E OT 20/170-240/1A0 1DIMLT2 G1 CE OT 20/170-240/1A0 4DIMLT2 G2 CE OT 40/170-240/1A0 1DIMLT2 G1 CE OT 40/170-240/1A0 4DIMLT2 G2 CE OT 75/170-240/1A0 1DIMLT2 G1 CE OT 75/170-240/1A0 4DIMLT2 G2 CE OT 110/170-240/1A0 1DIMLT2 G1 CE OT 110/170-240/1A0 4DIMLT2 G2 CE	
<b>Ratings</b> .....	220V – 240 V; 50/60 Hz	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/> <b>CB Testing Laboratory:</b>	VDE Prüf- und Zertifizierungsinstitut GmbH VDE <i>Testing and Certification Institute</i>	
<b>Testing location/ address</b> .....	Merianstrasse 28, 63069 Offenbach, Germany	
<b>Tested by (name, function, signature)</b> .....	Klaus Franke (Authorization of test report) Testing engineer	
<b>Approved by (name, function, signature) ..</b>	Heiko May Technical Certification Officer	
<input type="checkbox"/> <b>Testing procedure: CTF Stage 1:</b>		
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> .....		
<b>Approved by (name, function, signature) ..</b>		
<input type="checkbox"/> <b>Testing procedure: CTF Stage 2:</b>		
<b>Testing location/ address</b> .....		
<b>Tested by (name + signature)</b> .....		
<b>Witnessed by (name, function, signature) .</b>	(authorization of test report)	
<b>Approved by (name, function, signature) ..</b>		
<input type="checkbox"/> <b>Testing procedure: CTF Stage 3:</b>		
<input type="checkbox"/> <b>Testing procedure: CTF Stage 4:</b>		
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> .....		
<b>Witnessed by (name, function, signature) .</b>		
<b>Approved by (name, function, signature) ..</b>		
<b>Supervised by (name, function, signature) :</b>		

**List of Attachments (including a total number of pages in each attachment):**

This Amendment Report, Ref. No. 276377-TL4-1 to the original Report Ref. Nos. 267558-TL1-2, -3, -4, -5, 12, -13, -14, -15 and the Amendment 1 Report, Ref. No. 275130-TL4-1 contains 6 pages

**Summary of testing:****Tests performed (name of test and test clause):****Testing location:**

VDE Testing and Certification Institute  
Merianstraße 28, 63069 Offenbach, Germany

**Summary of compliance with National Differences:****List of countries addressed:**

**The product fulfils the requirements of**

DIN EN 61347-1 (VDE 0712-30):2016-05; EN 61347-1:2015

DIN EN 61347-2-13 (VDE 0712-43):2017-10; EN 61347-2-13:2014+A1:2017

### Copy of marking plate

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

The image displays six OSRAM marking plates for various LED power supply models. Each plate contains the following information:

- Model Name:** OPTOTRONIC® OT 165/170-240/1A0 4DIMILT2 E, OT 20/170-240/1A0 1DIMILT2 G1 CE, OT 20/170-240/1A0 4DIMILT2 G2 CE, OT 75/170-240/1A0 1DIMILT2 G1 CE, OT 75/170-240/1A0 4DIMILT2 G2 CE, OT 110/170-240/1A0 1DIMILT2 G1 CE, and OT 110/170-240/1A0 4DIMILT2 G2 CE.
- Technical Specifications:** Tables listing parameters such as I<sub>nom</sub>/U<sub>nom</sub>, P<sub>max</sub>/I<sub>max</sub>, U<sub>in</sub>/I<sub>in</sub>, and ripple factor (r). Example table for OT 165/170-240/1A0 4DIMILT2 E:

I <sub>nom</sub> /U <sub>nom</sub>	P <sub>max</sub> /I <sub>max</sub>	U <sub>in</sub> /I <sub>in</sub>	r
200 / 90	150W	220 - 240 V	>0.95
1000 mA / 242 V		50/60 Hz	
- Standards:** EN 55015, EN 61000-3-2, EN 61547, EN 61347-2-13, EN 62384.
- SELV:** Suitable for class II luminaires.
- Dimensions:** L = 85 mm.
- Terminal Connections:** LED+, LED-, LED-, LED-, LT2, NTC, NC, DA, EQUI, SD2, N, L.
- Certification Marks:** CE, ENEC, LED<sup>+</sup>set, 4DIM, AM, and others.
- OSRAM Logo:** Made in Bulgaria, AM10207, AM09360, AM04626, AM10207, AM03550, AM10206, AM03548.

<b>Test item particulars</b> .....	Electronic Controlgear for LED Modules
<b>Classification of installation and use</b> .....	Built-in controlgear for outdoor application
<b>Supply Connection</b> .....	Screwless connectors
.....	
<b>Possible test case verdicts:</b>	
- test case does not apply to the test object .....	N/A
- test object does meet the requirement .....	P (Pass)
- test object does not meet the requirement .....	F (Fail)
<b>Testing</b> .....	
<b>Date of receipt of test item</b> .....	--
<b>Date (s) of performance of tests</b> .....	--
<b>General remarks:</b>	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.	
Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.	
Clause numbers between brackets refer to clauses in IEC 61347-1	
<b>Manufacturer's Declaration per sub-clause 4.2.5 of IEC 02:</b>	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.....	<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>Not applicable</b>
<b>When differences exist; they shall be identified in the General product information section.</b>	

<b>Name and address of factory (ies) .....</b>	<p>OSRAM S.P.A. Ballasts and Luminaires Division, Via Castagnole 65a, I-31100 TREVISO TV, ITALY</p> <p>Intelligent Components Technology Zhuhai Ltd. (China), No. 912, Dexiang Road,, Pingsha Town, 519055 ZHUHAI CITY, Guangdong, CHINA</p> <p>Osram Sylvania, Tratado de Libre Comercio BLVD 50, Parque Industrial Stiva Aeropuerto, MEX-66600 APODACA, MEXIKO</p> <p>Sichuan Changhong Component Technology Co. Ltd., Shiqiaopu, High-tech Park, 621000 MIANYANG, Sichuan, CHINA</p> <p>Osram EOOD, Village of Trud, Maritsa Municipality,, Plovdiv Region, Koshovete Area,, Quarter 225, No. 879, 4199 TRUD, BULGARIA</p> <p>Videoton EAS Kft, Berenyi Street 72-100, Building No.: 250, H-8000 SZEKESFEHERVAR, HUNGARY</p>
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**General product information:**

Original CB Test Report dated 2019-12-06.

Amendment 1 Report dated 2020-08-26.

The original Test Report Ref. Nos. 267558-TL1-2, -3, -4, -5, 12, -13, -14, -15, dated 2019-12-02, 2019-12-06, 2020-01-20 together with Amendment 1 Report dated 2020-08-26 was modified on 2020-09-10 to include an additional place of manufacturing:

Intelligent Components Technology Zhuhai Ltd. (China),  
No. 912, Dexiang Road,  
Pingsha Town, 519055 ZHUHAI CITY,  
Guangdong, CHINA

The samples submitted to Test Report Ref. Nos. 267558-TL1-2, -3, -4, -5, 12, -13, -14, -15 were representative also for this place of manufacturing.