

TEST REPORT IEC 62471 Photobiological safety of lamps and lamp systems

Total number of pages:

Testing Laboratory...... SAMSUNG ELETRONICS Co., Ltd.

Applicant's name SAMSUNG ELETRONICS Co., Ltd.

Address 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677,

Korea

Test specification:

Standard.....: IEC 62471:2006 (First Edition)

Test Report Form No. IEC62471A

TRF Originator: VDE Testing and Certification Institute

Master TRF Dated 2009-05

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Test item description: LED PKG

Trade Mark SAMSUNG

Manufacturer: Same as Testing Laboratory

Model/Type reference SPHWHTL3DA0EF4V0R6

Ratings DC 1050 mA / 3,15 V

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Testing procedure and testing location:					
-	Testing Laboratory:	SAMSUNG ELETRONICS Co., Ltd. (LED Biz.)			
Test	ing location/ address:	1, Samsung-ro, Giheung-gu, Yongin-si, Gyeonggi-do, 17113, Korea			
	Associated Laboratory:				
Testing location/ address:					
	Tested by (name + signature):				
	Approved by (+ signature):				
	Testing procedure: TMP				
	Tested by (name + signature):				
	Approved by (+ signature):				
Testing location/ address:					
₩	Testing procedure: WMT				
	Tested by (name + signature):				
	Witnessed by (+ signature):				
	Approved by (+ signature):				
Testing location/ address::					
	Testing procedure: SMT				
	Tested by (name + signature):				
	Approved by (+ signature):				
	Supervised by (+ signature):				
Test	ing location/ address:				
	Testing procedure: RMT				
	Tested by (name + signature):				
	Approved by (+ signature):				
	Supervised by (+ signature):				
Test	Testing location/ address:				

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Summary of testing:					
Tests performed (name of test and test clause):	Testing location:				
 The sample was applied DC 1050mA following by applicant request. The measurement was conducted according to the requirements of TR IEC/EN62778 in conjunction with IEC 62471. All relevant clauses were considered. The sample was measured at 25°C(tc). 	SAMSUNG ELETRONICS Co., Ltd 1, Samsung-ro, Giheung-gu, Yongin-si, Gyeonggi-do, 17113, Korea				
Summary of compliance with National Differences	S:				
The sample(s) tested complies with the requirements of IEC 62471:2006 and EN 62471:2008. See Attachment at the end of this report for compliance with European Group Difference and National Differences. Copy of marking plate:					

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Test item particulars			
Tested lamp	□ continuous wave lamps □ pulsed lamps		
Tested lamp system:			
Lamp classification group:	☐ exempt ☐ risk 1	☐ risk 2	☐ risk 3
Lamp cap	:		
Bulb	: LED		
Rated of the lamp	See Page 1		
Furthermore marking on the lamp:			
Seasoning of lamps according IEC standard:			
Used measurement instrument			
Temperature by measurement:	24,0 – 25,0 °C		
Information for safety use:	Not required		
Possible test case verdicts:			
 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)		
Testing:			
Date of receipt of test item	2016-09-12		
Date (s) of performance of tests	2016-09-20 ~ 2016-09-23		
General remarks:			

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 testing laboratory. "(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 comma (point) is used as the decimal separator.

List of test equipment must be kept on file and available for review.

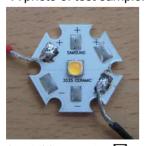
General product information:

Tested products are LED PKG as a light source, model information can be found in the table on next page. The following PKG is tested as representative model.

PKG: LH351DCCT: 3000KCRI: 80Flux rank: S2

- Tested current : DC 1050 mA

A photo of test sample.



Throughout this report a \boxtimes comma / \square point is used as the decimal separator.