

TEST REPORT IEC 62471 Photobiological safety of lamps and lamp systems	
Report Reference No.	20-04-02
Date of issue	2020-04-22
Total number of pages	5 pages
Name of Testing Laboratory preparing the Report	SAMSUNG ELECTRONICS Co., Ltd
Applicant's name	SAMSUNG ELECTRONICS Co., Ltd.
Address	1, Samsung-ro, Giheung-gu, Yongin-si, Gyeonggi-do, 17113, Korea
Test specification:	
Standard	IEC 62471:2006
Test procedure	N/A
Non-standard test method	N/A
Test Report Form No.	IEC62471B
TRF Originator	VDE Testing and Certification Institute
Master TRF	Dated 2018-08-16
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Test item description	Middle Power LED (Product name : LM302N Day)	
Trade Mark	SAMSUNG	
Manufacturer	SAMSUNG ELECTRONICS Co., Ltd.	
Model/Type reference	SPMWH3326**5*****	
Ratings	150mA, Typ. 6,0V	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	Testing Laboratory:	SAMSUNG ELECTRONICS Co., Ltd. (LED Biz.)
Testing location/ address		1, Samsung-ro, Giheung-gu, Yongin-si, Gyeonggi-do, 17113, Korea
Tested by (name, function, signature)		
Approved by (name, function, signature) ..		
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address		
Tested by (name, function, signature)		
Approved by (name, function, signature) ..		
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) ..		
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
Testing location/ address		
Tested by (name, function, signature)		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) ..		
Supervised by (name, function, signature) :		

List of Attachments (including a total number of pages in each attachment):	
Summary of testing:	
<ul style="list-style-type: none"> - All clauses. - Performed by supplying DC 5,89 V, 140 mA to the representative model SPMWH3326FC5FAP0S0. 	
Tests performed (name of test and test clause):	Testing location:
<ul style="list-style-type: none"> 4. Exposure limits 5. Measurement of lamps and lamp systems 6. Lamp classification <p>*) Only photobiological hazards have been addressed.</p>	<p>SAMSUNG ELECTRONICS Co., Ltd.</p> <p>1, Samsung-ro, Giheung-gu, Yongin-si, Gyeonggi-do, 17113, Korea</p>
Summary of compliance with National Differences (List of countries addressed):	
<input checked="" type="checkbox"/> The product fulfils the requirements of EN 62471:2008	
Copy of marking plate:	
<p>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.</p> <p style="text-align: center;">N/A</p>	

Test item particulars	
Tested lamp	<input checked="" type="checkbox"/> continuous wave lamps <input type="checkbox"/> pulsed lamps
Tested lamp system	-
Lamp classification group	<input checked="" type="checkbox"/> exempt <input type="checkbox"/> risk 1 <input type="checkbox"/> risk 2 <input type="checkbox"/> risk 3
Lamp cap	-
Bulb	-
Rated of the lamp	-
Furthermore marking on the lamp.....	-
Seasoning of lamps according IEC standard	-
Used measurement instrument.....	-
Temperature by measurement.....	24,0 °C ~ 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	: 2020-04-10
Date (s) of performance of tests.....	: 2020-04-13 ~ 2020-04-22
General remarks:	
"(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.	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC 02:	
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies).....	: SHENZHEN MTC LIGHTING CO., Ltd MTC Industry Park, Xialilang community, Nanwan street, Longgang district, Shenzhen, China

General product information and other remarks:

- PKG : LM302N Day
- CCT : 6500K
- CRI : 80
- Flux rank : S0
- Tested current : DC 140 mA
- A photo of test sample.

