Application of IEC 62471 for tl sourc

Report reference No .....:	RSZ
Compiled by (+ signature) .....:	Zero
Approved by (+ signature) .....:	Harri
Date of issue .....:	2017
Testing laboratory .....:	Bay
Address .....:	No.6 Chin
Testing location .....:	Sam
Applicant .....:	Hong
Address .....:	No.1 Chin
Standard .....:	IEC
Test sample(s) received.....:	2016
Test in period.....:	2016
Procedure deviation .....:	N.A.
Non-standard test method .....:	N.A.

Note: The test data was only valid for the tes shown above and for the specific prior written consent from Bay A

Type of test object	
Trademark	
Model/type reference	
Multiple Models.....	
Manufacturer.....	
Rating	

Copy of marking plate:
None

Test item particulars .....:	
Product evaluated .....:	☒ **LED package** ☐ **LED module** ☐ **Lamp** ☐ **Luminaire**
Rated voltage (V) .....:	See rating
Rated current (mA).....:	190mA
Rated CCT (K) .....:	6000-7000K
Rated Luminance (Mcd/m^2).....:	Not specified
Component report data used .....:	☐ **Not applicable** ☒ **LED package** ☐ **LED module** ☐ **Lamp** Report number:

Possible test case verdicts:

-test case does not apply to the test object.....:N(.A.)

-test object does meet the requirement.....:P(ass)

-test object does not meet the requirement.....:F(ail)

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 point is used as the decimal separator.
List of test equipment must be kept on file and available for review.

Remark:

This report consists of 8 pages and following appendixes:
Appendix A EUT photos
Appendix B Test equipment list

General product information:

This product is LED chip, test model is P2835W6F4-C02-8D3A01. Rated input is 7Vdc, 190mA.
Multiple Models are P2835W*F4-C02-*D*A**, and they are electrically identical with the same PCB LAYOUT and circuit as model P2835W6F4-C02-8D3A01, only differences between those models are the correlated colour temperature, color rendering index, welding material and silicone part number.
Hereby declare that there are some differences between our Multiple Models and testing products.
All the asterisk meaning in the model numbers are listed as below:
P2835W*F4–C02–*D*A**
1 2 3 45
1.The first asterisk is a number from 1 to 9 which stand for correlated colour temperature. 1 means 2600-2800K, 2 means 2800-3100K, 3 means 3800-4250K, 4 means 4750-5300K, 5 means 5700-6500K, 6 means 6000-7000K, 7 means 2100-2300K,8 means 3200-3800K,9 means 5050-5650K.
2.The second asterisk is a number from 6 to 9 which stand for color rendering index. 6 means below 70, 7 means70-80, 8 means 80-90, 9 means above 90.
3.The third asterisk is a number from 1 to 4 which stand for welding material. 1 means gold wire, 2 means alloyed wire, 3 means K gold wire, 4 means copper wire.
4.The forth asterisk is an English Letter from A to Z or a number from 0 to 9 which stand for silicone part number.
5. The fifth asterisk is a serial number from 1 to 9.

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Clause	Requirement + Test	Result - Remark	Verdict

	TABLE: Spectroradiometric measurement		P
	Measurement performed on:	☒ **LED package** ☐ **LED module** ☐ **Lamp** ☐ **Luminaire**	—
	Model number.....	P2835W6F4-C02-8D3A01	—
	Test voltage (V)	7Vdc	—
	Test current (mA)	190mA	—
	Test frequency (Hz).....	-	—
	Ambient, t (°C).....	25.0	—
	Measurement distance.....	☒ 20 cm ☐ ... cm	—
	Source size	☐ Non-small ☒ Small : 1.3mm	—
	Field of view	☐ 100 mrad ☒ 11 mrad ☐ 1,7 mrad (for small sources)	—
Item			

	TABLE: Angular light distribution