TEST REPORT

IEC TR 62778

Application of IEC 62471 for the assessment o sources and luminaire

Report reference No ..... :	RSZ161226554-03M1
Compiled by (+ signature) ..... :	Zero Gao
Approved by (+ signature) ..... :	Harrison Huang
Date of issue ..... :	2017-08-04
Testing laboratory ..... :	Bay Area Compliance Labora
Address ..... :	No.69 Pulongcun, Puxinhu In Tangxia,Dongguan,Guangdo
Testing location ..... :	Same as above
Applicant ..... :	Hongli Zhihui Group Co.,Ltd.
Address ..... :	No.1, Xianke Yi Road, Huadc China
Standard ..... :	IEC TR 62778:20
Test sample(s) received..... :	2016-12-28
Test in period..... :	2016-12-28 to 20
Procedure deviation ..... :	N.A.
Non-standard test method ..... :	N.A.

Note: The test data was only valid for the test sample(s). shown above and for the specific product described herei prior written consent from Bay Area Compliance Laborato

Type of test object ..... :	LED
Trademark ..... :	N.A.
Model/type reference ..... :	P2835W6F4-C02
Multiple Models..... :	P2835W*F4-C02
Manufacturer..... ..... :	Hongli Zhihui Gro No.1, Xianke Yi F China
Rating ..... :	Input: 7Vdc, 190

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	

FINAL

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 P2835W*F5-D01-*D*A**, they are electrically identical with the same PCB LAYOUT and circuit as model P2835W6F4-C02-8D3A01, the family models have the equal or fewer LED dies than the tested model, 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** P2835W*F5-D01-*D*A**
1 2 3 45 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.

Remark:
This report based on the previous report RSZ161226554-03, the differences are that added the Multiple models: P2835W*F5-D01-*D*A** and the general product information refer to above.The new report RSZ161226554-03M1 will replace the previous report.

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IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict
7	**MEASUREMENT INFORMATION FLOW**		**P**
7.1	**Basic flow**		**P**
	'Law of conservation of luminance' applied		P
	Use of only true luminance/radiance values		P
	In case of luminaire: The light source is operated in the luminaire under similar conditions as when tested as a component		P
	In case E_{thr} value for RG2 was established the peak value was derived from angular light distribution		N
7.2	**Conditions for the radiance measurement**		**P**
	Standard condition applied (200mm distance, 0,011rad field of view)		P
	Non-standard condition applied		N
7.3	**Special cases (I): Replacement by a lamp or LED module of another type**		**N**
	Light source is a white light source		N
	Evaluation done based on highest luminance		N
	Evaluation done based on CCT value		N
7.4	**Special cases (II): Arrays and clusters of primary light sources**		**N**
	LED package is evaluated as ..... :	☐ RG0 unlimited ☐ RG1 unlimited ☐ RG2 unlimited	N
	E_{thr} of LED package applies to array		N
8	**RISK GROUP CLASSIFICATION**		**P**
	Risk group achieved:		P
	- .. Risk Group 0 unlimited		N
	- .. Risk Group 1 unlimited		P
	- Risk Group 2 unlimited		N
	- E_{thr} ..... (lx) : Distance to reach RG1 .....(mm) :	1229 lx 199 mm	P

	TABLE: Angular light distribution