

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

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, Huado

China

Standard IEC TR 62778:20

Test sample(s) received...... 2016-12-28

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 hereiprior 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 Gra

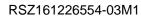
No.1, Xianke Yi F

China

Rating Input: 7Vdc, 190ı

Copy of marking plate:

None





☑ LED package☐ LED module☐ Lamp☐ Luminaire
See rating
190mA
6000-7000K

Rated Luminance (Mcd/m²



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.

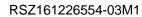
Hereby declare that there are some differences between our Multiple Models and testing products. All the asterisk meaning in the model numbers are listed as below:

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 means 70-80, 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.





	IEC TR 62778		
Clause	Requirement + Test	Result - Remark	Verdict
7	MEASUREMENT INFORMATION FLOW		Р
7.1	Basic flow		Р
	'Law of conservation of luminance' applied		Р
	Use of only true luminance/radiance values		Р
	In case of luminaire: The light source is operated in the luminaire under similar conditions as when tested as a component		Р
	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		Р
	Standard condition applied (200mm distance, 0,011rad field of view)		Р
	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		
	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		Р
	Risk group achieved:		Р
	Risk Group 0 unlimited		N
	Risk Group 1 unlimited		Р
	- Risk Group 2 unlimited		N
	- E _{thr} (lx) : Distance to reach RG1(mm) :	1229 lx 199 mm	Р





