



中国认可
国际互认
检测
TESTING
CNAS L0095

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Ref. No.: GJW2018-4765

TEST REPORT

NAME OF SAMPLE: LED package

CLIENT: Shenzhen Jufei Optoelectronics Co., Ltd.

CLASSIFICATION OF TEST: Commission Test

Vkan Certification & Testing Co., Ltd.



TEST REPORT

Ref. No.: GJW2018-4765

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Name of product: LED package	Trade mark: —
Type/Model: 01.JT.CG2835W80P03	Sample status: —
Manufacturer: Shenzhen Jufei Optoelectronics Co., Ltd.	Commissioned by: Shenzhen Jufei Optoelectronics Co., Ltd.
Manufacturer address: No. 4, E Ling Industrial Area, E Gong Ling Community, Ping Hu Street, Long Gang District, Shenzhen, China	Commissioner address: No. 4, E Ling Industrial Area, E Gong Ling Community, Ping Hu Street, Long Gang District, Shenzhen, China
Quantity of sample: 3 pcs	Sampled by: —
Sample identification: 3-1~3-3	Sampling at (place): —
Means of receiving: Submitted by the manufacturer	Means of sampling: —
Classification of test: Commission Test	Sampling date: —
Receiving date: 2018-12-29	Completing date: 2019-01-15
Tested according to: IEC TR 62778:2014	Test item: Full safety tests
Test conclusion: The LED package submitted by Shenzhen Jufei Optoelectronics Co., Ltd. is tested according to: IEC TR 62778:2014 <i>Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires.</i> Test result: the radiation from the luminaire does not exceed the value given in IEC TR 62778:2014 for Risk Group 1.  Seal of CVC: Date of issue: 2019.1.15	

Approved by: Xiao Hanguang

Xiao Hanguang

Reviewed by: Li Dong

Li Dong

Tested by: Zhang Zhiping

Zhang Zhiping

Description and illustration of the sample:

The samples' status is good.

Description of the sampling procedure:

/

Description of the deviation from the standard, if any :

/

Remarks:

The following type of LED package:

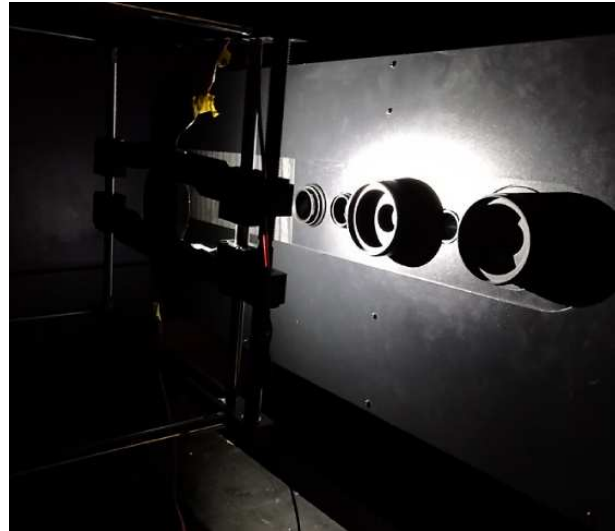
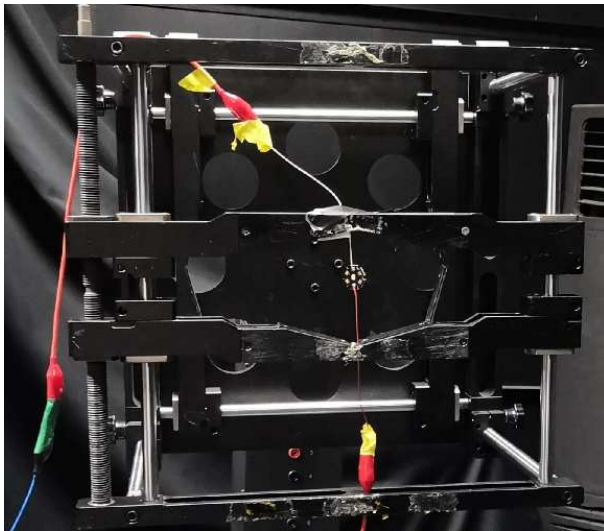
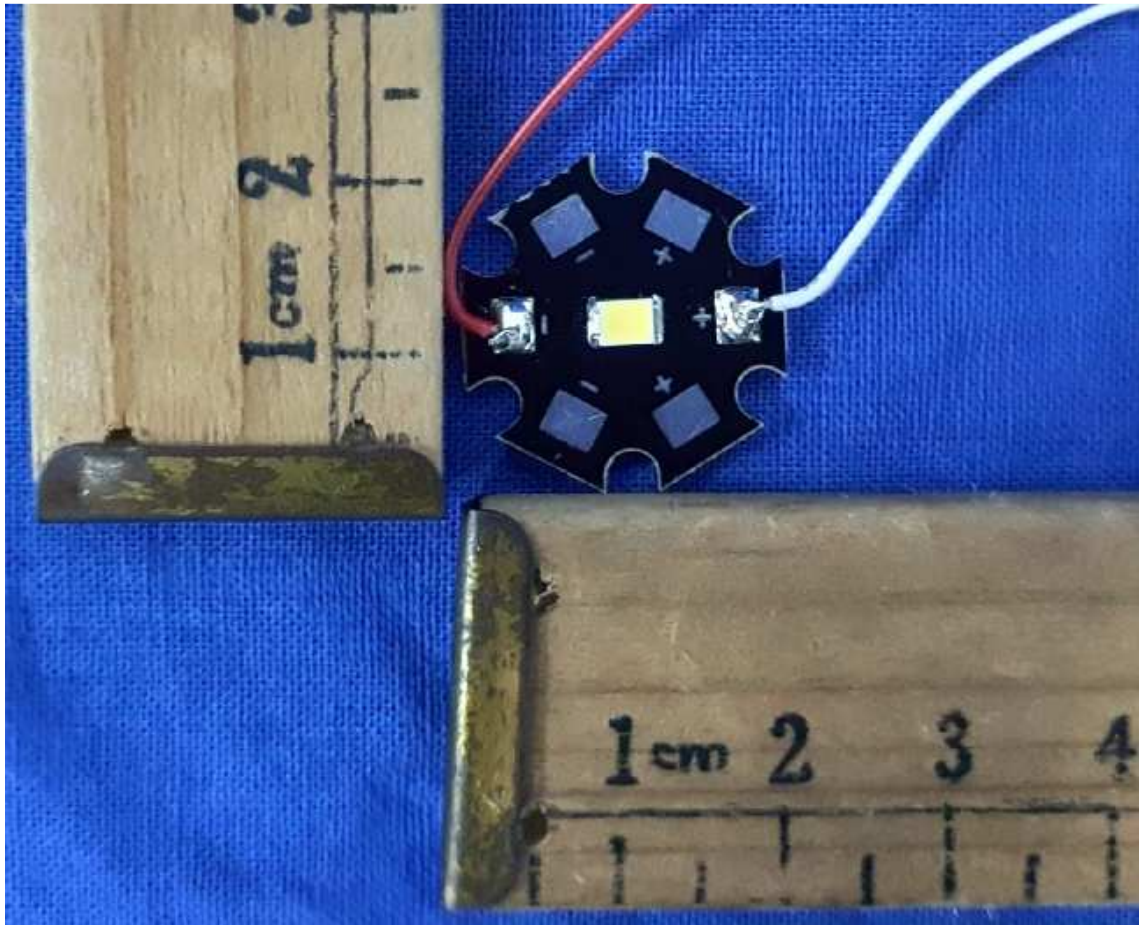
No.	Type	Voltage	Current	Power	CCT	CRI
1	01.JT.CG2835W80P03	3Vd.c.	150mA	0.5W	6500K	80
2	01.JT.CG2835W80N50	3Vd.c.	150mA	0.5W	6500K	80
3	01.JT.CG2835W80N01	3Vd.c.	150mA	0.5W	6500K	80
4	01.JT.CG2835W80N03	3Vd.c.	150mA	0.5W	6500K	80
5	01.JT.CG2835W80P01	3Vd.c.	150mA	0.5W	6500K	80
6	01.JT.CG2835W80N00	3Vd.c.	150mA	0.5W	6500K	80
7	01.JT.11G2835W80N91	3Vd.c.	150mA	0.5W	6500K	80
8	01.JT.11G2835W80N92	3Vd.c.	150mA	0.5W	6500K	80
9	01.JT.CG2835W90N01	3Vd.c.	150mA	0.5W	6500K	90
10	01.JT.CG2835W90N03	3Vd.c.	150mA	0.5W	6500K	90
11	01.JT.CG2835W90P01	3Vd.c.	150mA	0.5W	6500K	90
12	01.JT.CG2835W90P03	3Vd.c.	150mA	0.5W	6500K	90
13	01.JT.11G2835W90N91	3Vd.c.	150mA	0.5W	6500K	90
14	01.JT.11G2835W90N92	3Vd.c.	150mA	0.5W	6500K	90
15	01.JT.CG2835W95N01	3Vd.c.	150mA	0.5W	6500K	95
16	01.JT.CG2835W95N03	3Vd.c.	150mA	0.5W	6500K	95
17	01.JT.CG2835W95P01	3Vd.c.	150mA	0.5W	6500K	95
18	01.JT.CG2835W95P03	3Vd.c.	150mA	0.5W	6500K	95
19	01.JT.DC2835W80N01	2.8Vd.c.	60mA	0.2W	6500K	80
20	01.JT.DC2835W80N03	2.8Vd.c.	60mA	0.2W	6500K	80
21	01.JT.DC2835W80P01	2.8Vd.c.	60mA	0.2W	6500K	80
22	01.JT.DC2835W80P03	2.8Vd.c.	60mA	0.2W	6500K	80
23	01.JT.DC2835W90N01	2.8Vd.c.	60mA	0.2W	6500K	90
24	01.JT.DC2835W90N03	2.8Vd.c.	60mA	0.2W	6500K	90
25	01.JT.DC2835W90P01	2.8Vd.c.	60mA	0.2W	6500K	90
26	01.JT.DC2835W90P03	2.8Vd.c.	60mA	0.2W	6500K	90
27	01.JT.DC2835W95N01	2.8Vd.c.	60mA	0.2W	6500K	95
28	01.JT.DC2835W95N03	2.8Vd.c.	60mA	0.2W	6500K	95
29	01.JT.DC2835W95P01	2.8Vd.c.	60mA	0.2W	6500K	95
30	01.JT.DC2835W95P03	2.8Vd.c.	60mA	0.2W	6500K	95
31	01.JT.CC2835W80N01	2.8Vd.c.	60mA	0.2W	6500K	80
32	01.JT.CC2835W80N03	2.8Vd.c.	60mA	0.2W	6500K	80
33	01.JT.CC2835W80N05	2.8Vd.c.	60mA	0.2W	6500K	80
34	01.JT.CC2835W80P01	2.8Vd.c.	60mA	0.2W	6500K	80
35	01.JT.CC2835W80P03	2.8Vd.c.	60mA	0.2W	6500K	80
36	01.JT.CC2835W90N01	2.8Vd.c.	60mA	0.2W	6500K	90
37	01.JT.CC2835W90N03	2.8Vd.c.	60mA	0.2W	6500K	90
38	01.JT.CC2835W90P01	2.8Vd.c.	60mA	0.2W	6500K	90
39	01.JT.CC2835W90P03	2.8Vd.c.	60mA	0.2W	6500K	90
40	01.JT.CC2835W95N01	2.8Vd.c.	60mA	0.2W	6500K	95
41	01.JT.CC2835W95P01	2.8Vd.c.	60mA	0.2W	6500K	95
42	01.JT.CC2835W95P03	2.8Vd.c.	60mA	0.2W	6500K	95

which was made by Shenzhen Jufei Optoelectronics Co., Ltd. having the similar constructions and dimensions to those of 01.JT.CG2835W80P03, and all having the same type of chip, lighting principle and packaging technology, is also covered by this report.

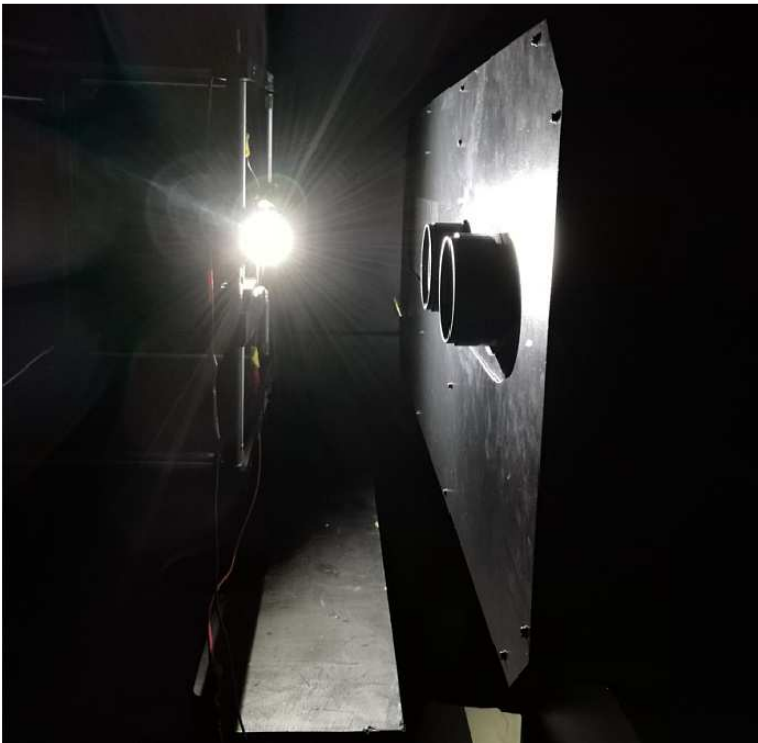
The differences between them are as follows:

1. the color rendering index(CRI);
2. the rated wattage.

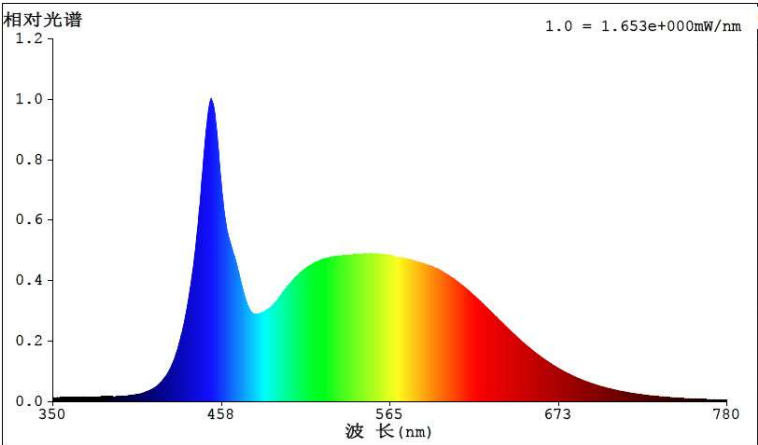
Photos:



Photos:



[1]: 11.0mrad@200 mm



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		N
	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		N
	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		P
	LED package is evaluated as : ☐ RG0 unlimited ☒ RG1 unlimited		P
	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
	- E_{thr} (lx) : Distance to reach RG1 (m) :		N

IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

TABLE: Spectroradiometric measurement				P	
	Measurement performed on:	☒ LED package ☐ LED module ☐ Lamp ☐ Luminaire			
	Model number.....:	01.JT.CG2835W80P03		—	
	Test voltage (V).....:	3.08V~		—	
	Test current (mA).....:	150mA		—	
	Test frequency (Hz).....:	—		—	
	Ambient, t (°C).....:	25.0°C		—	
	Measurement distance.....:	☒ 20 cm ☐ ... cm		—	
	Source size.....:	☒ Non-small : 2.2 mm ☐ Small :		—	
	Field of view.....:	☐ 100 mrad ☒ 11 mrad ☐ 1.7 mrad (for small sources)		—	
Item		Symbol	Units	Result	Remark
Correlated colour temperature		CCT	K	6543	-
x/y colour coordinates		-	-	0.3113 / 0.3342	-
Blue light hazard radiance		L _B	W/(m ² •sr ¹)	4.009e+003	RG1
Blue light hazard irradiance		E _B	W/m ²	-	-
Luminance		L	cd/m ²	4.489e+006	-
Illuminance		E	lx	475	-
-		-	-	-	-
Supplementary information:					
-					

注 意 事 项

Important

1. 报告无检测单位印章无效;

The test report is invalid without the official stamp of CVC;

2. 未经本机构书面同意, 不得部分地复制本报告;

Any photocopies or part photocopies of the test report are forbidden without the written permission from CVC;

3. 报告无主检、审核、批准人签名无效;

The test report is invalid without the signatures of Approval and Reviewer;

4. 报告涂改无效;

The test report is invalid if altered;

5. 对检测报告若有异议, 请于收到报告之日起十五天内向检测单位提出;

Objections to the test report must be submitted to CVC within 15 days;

6. 一般情况, 委托检测结果仅对所检测样品有效;

Generally, commission test is responsible for the tested samples only;

7. “P” 表示 “ 试验结果符合要求”, “F” 表示 “ 试验结果不符合要求”, “N” 或 “—” 表示 “ 要求不适用于该产品”, “ / ” 表示 “ 未检测”。

“P” means “pass”, “F” means “fail”, “N” or “—” means “not applicable” and “ / ” means “not test”.

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