



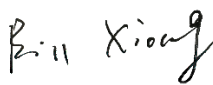
TEST REPORT

According to ANSI/IES LM-80-15
For

HongliZhihui Group Co.,Ltd. Guangzhou Branch

Room 316, Building 2, No.1, Xianke Yi Road, Huadong Town, Huadu District, Guangzhou, China

Model:A2835W1H2-D01-7D2AA1

Report Type: 6000 Hours Test Report		Product Type: LED Package	
Test Engineer:	Pote Wang		
Report Number:	RSZ180319504-10		
Test Date:	2018-04-05 to 2018-12-15		
Report Date:	2018-12-25		
Reviewed By:	Bill Xiong / EE Engineer		
Test Facility:	Test facility was located at No.69,Pulongcun,Puxinhu Industrial Area, Tangxia , Dongguan, Guangdong, China.		
Prepared By:	Bay Area Compliance Laboratories Corp. (Dongguan). No.69,Pulongcun ,Puxinhu Industrial Area, Tangxia , Dongguan, Guangdong, China. Tel: +86-0769-86858888 Fax:+86-0769-86858588		
Accreditation:	The IAS Accreditation Number TL-460.		

Note: The test data was only valid for the test sample(s). This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan).

This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.



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1.6 Photometric Measurement Method and Uncertainty

Integrating sphere and spectroradiometer is used to measure luminous flux and chromaticity coordinate u_v . 2 measurement was used and sample was driven by DC power supply. The forward current was regulated to within $\pm 0.5\%$ of the nominal value. The test system was calibrated by halogen reference lamp. The ambient temperature during test was set to $25^\circ\text{C} \pm 2^\circ\text{C}$, RH <65%. The temperature measurement point was located in the sphere and the temperature was detected by a temperature probe.

The uncertainty of the light output (luminous flux) measurements is $U=1.6\%$ ($K=2$), at the 95% confidence level. The uncertainty of the correlated color temperature measurements is $U=20\text{K}$ ($K=2$), at the 95% confidence level. The uncertainty of the CRI is $U=1.6$ ($K=2$), at the 95% confidence level.

The uncertainty of the temperature is $U=0.8671^\circ\text{C}$ ($K=2$), at the 95% confidence level.

1.7 Statement of Traceability

Bay Area Compliance Laboratories Corp. (Dongguan) attested that all calibration has been performed using suitable standards traceable to National Primary Standards and International System of Units (SI).

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No.69,Pulongcun, Puxinhu Industrial AreaTangxia,
Dongguan, Guangdong, China.
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344 D

No.
31
32
33
34

0hrs	6000hrs
63	98.35
71	98.55
61	98.22
30	97.83
00	98.80

98.40	98.20	97.93
98.69	98.10	97.46
98.76	98.37	97.84
98.67	98.44	97.67
98.94	98.58	98.16
98.67	98.47	98.28
98.48		
98.67	98.45	98.08

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3.5 Data Set 2, 85°C, 80mA (Forward Voltage)

No.	Forward Voltage (V)						
	0hr(Initial)	1000hrs	2000hrs	3000hrs	4000hrs	5000hrs	6000hrs
31	3.191	3.196	3.201	3.178	3.185	3.206	3.208
32	3.182	3.187	3.192	3.167	3.177	3.184	3.195
33	3.176	3.179	3.180	3.155	3.169	3.208	3.204
34	3.198	3.197	3.200	3.180	3.191	3.218	3.192
35	3.217	3.221	3.220	3.204	3.214	3.239	3.214
36	3.180	3.182	3.184	3.162	3.175	3.173	3.188
37	3.203	3.204	3.209	3.191	3.204	3.204	3.205
38	3.180	3.185	3.185	3.167	3.176	3.174	3.176
39	3.189	3.187	3.190	3.172	3.179	3.182	3.190
40	3.194	3.198	3.195	3.176	3.185	3.188	3.208
41	3.201	3.198	3.202	3.184	3.193	3.193	3.201
42	3.202	3.204	3.204	3.175	3.196	3.197	3.203
43	3.197	3.198	3.202	3.185	3.197	3.194	3.206
44	3.193	3.190	3.194	3.176	3.185	3.182	3.208
45	3.175	3.179	3.181	3.160	3.172	3.168	3.170
46	3.207	3.208	3.210	3.191	3.203	3.200	3.206
47	3.179	3.181	3.180	3.159	3.172	3.170	3.180
48	3.179	3.180	3.181	3.159	3.176	3.170	3.190
49	3.185	3.190	3.188	3.169	3.181	3.177	3.205
50	3.200	3.205	3.202	3.185	3.199	3.192	3.206
51	3.214	3.216	3.218	3.200	3.212	3.209	3.229
52	3.204	3.208	3.205	3.185	3.200	3.194	3.219
53	3.201	3.202	3.204	3.183	3.201	3.197	3.220
54	3.170	3.178	3.187	3.153	3.169	3.165	3.198
55	3.175	3.176	3.188	3.154	3.170	3.163	3.194
56	3.175	3.175	3.188	3.152	3.167	3.165	3.195
57	3.181	3.186	3.191	3.165	3.180	3.175	3.187
58	3.171	3.172	3.187	3.153	3.164	3.162	3.180
59	3.173	3.174	3.181	3.183	3.169	3.164	3.171
60	3.196	3.197	3.211	3.175	3.197	3.194	3.201
Av							



3.6 Data Set 2, 85°C, 80mA(Chromaticity Shift)

No.			CCT(K)	□ □					
	0hr(Initial)			1000hrs	2000hrs	3000hrs	4000hrs	5000hrs	6000hrs
31	0.2604	0.5227	2764	0.0003	0.0008	0.0007	0.0005	0.0009	0.0011
32	0.2609	0.5232	2752	0.0003	0.0007	0.0008	0.0005	0.0014	0.0025
33	0.2610	0.5208	2760	0.0002	0.0007	0.0009	0.0004	0.0016	0.0015
34	0.2598	0.5222	2779	0.0003	0.0006	0.0008	0.0009	0.0016	0.0017
35	0.2609	0.5225	2753	0.0003	0.0007	0.0011	0.0008	0.0012	0.0015
36	0.2604	0.5225	2766	0.0004	0.0009	0.0013	0.0011	0.0011	0.0017
37	0.2593	0.5214	2794	0.0002	0.0007	0.0011	0.0009	0.0016	0.0015
38	0.2603	0.5222	2768	0.0004	0.0007	0.0012	0.0010	0.0012	0.0016
39	0.2606	0.5218	2765	0.0004	0.0007	0.0011	0.0011	0.0015	0.0016
40	0.2599	0.5223	2776	0.0001	0.0006	0.0009	0.0009	0.0014	0.0016
41	0.2605	0.5225	2762	0.0002	0.0005	0.0008	0.0007	0.0011	0.0018
42	0.2598	0.5223	2780	0.0003	0.0006	0.0011	0.0008	0.0012	0.0017

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