

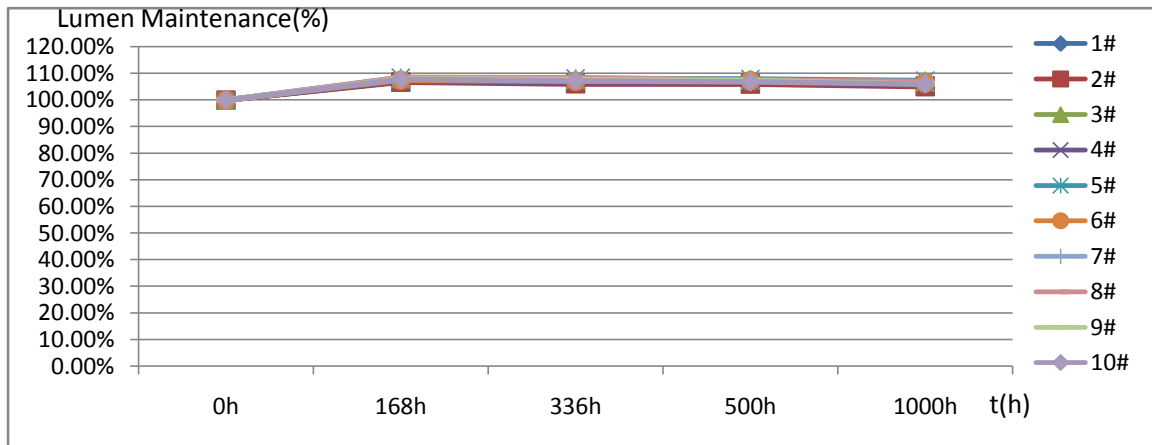
检测报告(内部)

报告编号: LAB1808301-03

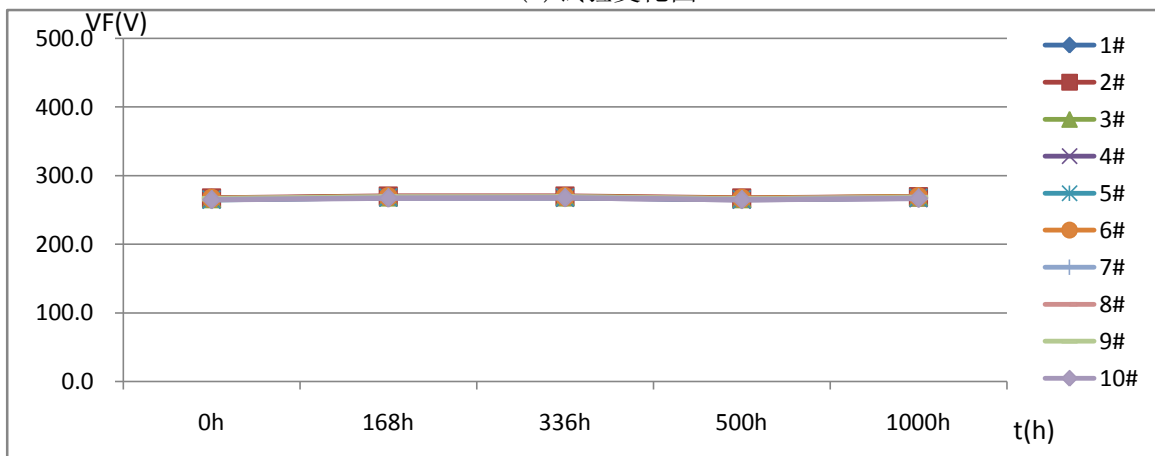
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1. 客户名称: NPI/周芄宇
2. 样品编号: 1#~10#
3. 产品规格/型号: RF-FPR6W2C1K-C5/SC17-180805830
4. 检测时间: 2018.08.30~2018.10.17
5. 检测设备: YF1000光色电综合分析系统(1008074); 高低温交变湿热试验箱(131198);
显微镜(MT 4X); FLUKE万用表(34700492WS);
DC POWER SUPPLY (160303750)
6. 环境条件: (22~28) °C, (30~70) %RH
7. 检测依据标准: 环境试验 第2部分: 试验方法 试验Cab: 恒定湿热试验 GB/T 2423.3-2016,
LED的测量 CIE127: 2007
8. 检测项目: 高温高湿老化试验
9. 检测条件: 无预处理:
85°C/85%RH, 老化时间1000H, 老化电流20mA, 测试电流20mA,
积分球4π测试, 测试点: 0h, 168h, 336h, 500h, 1000h

Φ (1m) 试验变化图



VF (V) 试验变化图



检测: 樊考辉 2018.10.18

审核: 杨礼坚 2018.10.18

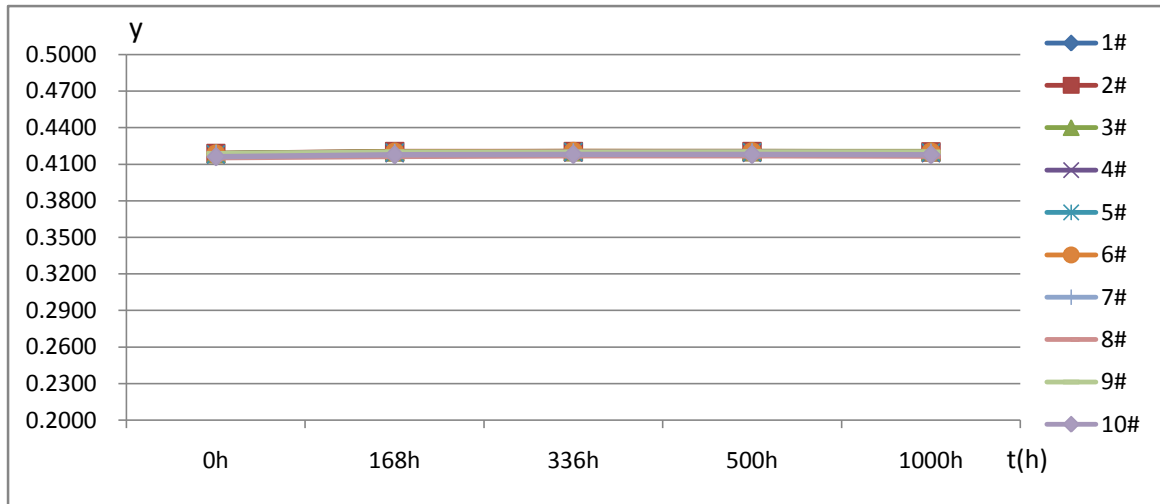
批准: 俞敏 2018.10.19

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y试验变化图



序号	Φ (lm)					Lumen Maintenance (%)				
	0h	168h	336h	500h	1000h	0h	168h	336h	500h	1000h
1#	528.01	564.45	562.80	559.36	557.68	100.00%	106.90%	106.59%	105.94%	105.62%
2#	520.35	555.38	551.79	551.62	546.51	100.00%	106.73%	106.04%	106.01%	105.03%
3#	533.16	575.22	574.32	572.78	569.20	100.00%	107.89%	107.72%	107.43%	106.76%
4#	516.57	552.42	550.43	550.70	545.38	100.00%	106.94%	106.55%	106.61%	105.58%
5#	514.21	557.08	556.28	555.16	552.03	100.00%	108.34%	108.18%	107.96%	107.35%
6#	525.07	564.00	562.35	563.63	558.92	100.00%	107.41%	107.10%	107.34%	106.45%
7#	520.86	562.95	562.41	558.80	555.23	100.00%	108.08%	107.98%	107.28%	106.60%
8#	497.26	539.42	538.79	534.82	531.65	100.00%	108.48%	108.35%	107.55%	106.92%
9#	521.70	563.89	561.98	560.04	553.22	100.00%	108.09%	107.72%	107.35%	106.04%
10#	489.59	527.53	525.02	523.16	518.86	100.00%	107.75%	107.24%	106.86%	105.98%
Max	533.16	575.22	574.32	572.78	569.20	100.00%	108.48%	108.35%	107.96%	107.35%
Min	489.59	527.53	525.02	523.16	518.86	100.00%	106.73%	106.04%	105.94%	105.03%
Avg	516.68	556.23	554.62	553.01	548.87	100.00%	107.66%	107.35%	107.03%	106.23%

序号	VF (V)					ΔVF (V)			
	0h	168h	336h	500h	1000h	168h	336h	500h	1000h
1#	266.8	269.4	268.9	266.1	268.2	0.97%	0.79%	-0.26%	0.52%
2#	267.1	270.0	269.9	267.1	269.3	1.09%	1.05%	0.00%	0.82%
3#	266.6	269.2	269.3	266.6	269.0	0.98%	1.01%	0.00%	0.90%
4#	265.3	268.0	267.9	265.1	267.2	1.02%	0.98%	-0.08%	0.72%
5#	265.1	268.2	268.3	265.5	267.8	1.17%	1.21%	0.15%	1.02%
6#	266.7	269.3	269.3	266.7	269.0	0.97%	0.97%	0.00%	0.86%
7#	266.1	268.6	268.6	265.9	268.2	0.94%	0.94%	-0.08%	0.79%
8#	266.3	268.6	268.7	265.9	268.2	0.86%	0.90%	-0.15%	0.71%
9#	266.2	268.7	268.6	266.1	268.0	0.94%	0.90%	-0.04%	0.68%
10#	264.8	267.5	267.6	264.9	267.0	1.02%	1.06%	0.04%	0.83%

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序号	IF (mA)				
	0h	168h	336h	500h	1000h
1#	19.9	19.9	19.9	19.9	19.9
2#	19.9	19.9	19.9	19.9	19.9
3#	19.9	19.9	19.9	19.9	19.9
4#	19.9	19.9	19.9	19.9	19.9
5#	19.8	19.9	19.9	19.9	19.9
6#	19.9	19.9	19.9	19.9	19.9
7#	19.8	19.9	19.9	19.9	19.9
8#	19.8	19.9	19.9	19.9	19.9
9#	19.9	19.9	19.9	19.9	19.9
10#	19.9	19.9	19.9	19.9	19.9

序号	x					Δx			
	0h	168h	336h	500h	1000h	168h	336h	500h	1000h
1#	0.5008	0.5029	0.5026	0.5034	0.5038	0.0021	0.0018	0.0026	0.0030
2#	0.5030	0.5043	0.5052	0.5046	0.5057	0.0013	0.0022	0.0016	0.0027
3#	0.5029	0.5041	0.5051	0.5051	0.5060	0.0012	0.0022	0.0022	0.0031
4#	0.5024	0.5036	0.5051	0.5043	0.5056	0.0012	0.0027	0.0019	0.0032
5#	0.5022	0.5035	0.5047	0.5045	0.5052	0.0013	0.0025	0.0023	0.0030
6#	0.5014	0.5027	0.5043	0.5037	0.5049	0.0013	0.0029	0.0023	0.0035
7#	0.5014	0.5022	0.5031	0.5039	0.5046	0.0008	0.0017	0.0025	0.0032
8#	0.5010	0.5020	0.5031	0.5032	0.5035	0.0010	0.0021	0.0022	0.0025
9#	0.5015	0.5024	0.5027	0.5034	0.5045	0.0009	0.0012	0.0019	0.0030
10#	0.5006	0.5018	0.5026	0.5025	0.5034	0.0012	0.0020	0.0019	0.0028

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序号	y					Δy			
	0h	168h	336h	500h	1000h	168h	336h	500h	1000h
1#	0.4184	0.4199	0.4195	0.4197	0.4192	0.0015	0.0011	0.0013	0.0008
2#	0.4188	0.4202	0.4204	0.4203	0.4200	0.0014	0.0016	0.0015	0.0012
3#	0.4188	0.4201	0.4204	0.4204	0.4203	0.0013	0.0016	0.0016	0.0015
4#	0.4180	0.4191	0.4195	0.4192	0.4191	0.0011	0.0015	0.0012	0.0011
5#	0.4180	0.4196	0.4200	0.4199	0.4196	0.0016	0.0020	0.0019	0.0016
6#	0.4183	0.4197	0.4202	0.4201	0.4199	0.0014	0.0019	0.0018	0.0016
7#	0.4184	0.4194	0.4197	0.4198	0.4196	0.0010	0.0013	0.0014	0.0012
8#	0.4153	0.4165	0.4168	0.4168	0.4166	0.0012	0.0015	0.0015	0.0013
9#	0.4185	0.4197	0.4196	0.4199	0.4197	0.0012	0.0011	0.0014	0.0012
10#	0.4162	0.4176	0.4179	0.4180	0.4177	0.0014	0.0017	0.0018	0.0015

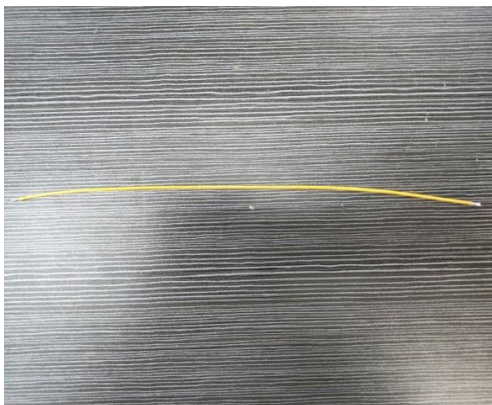
单颗LED判定基准:

项目	min	max
Lumen Maintenance (%)	60%	140%
ΔVF	-3%	3%
Δx	-0.01	0.01
Δy	-0.015	0.015

外观无晶粒变黑、树脂变色、胶裂、剥离、固晶胶变色,冒油等现象

经过1000h高温高湿老化试验,全部样品各项参数均在判定标准范围内。

外观描述:全部样品外观正常



试验结果:合格

备注:检测结果只对本次样品负责。

.....结束.....