

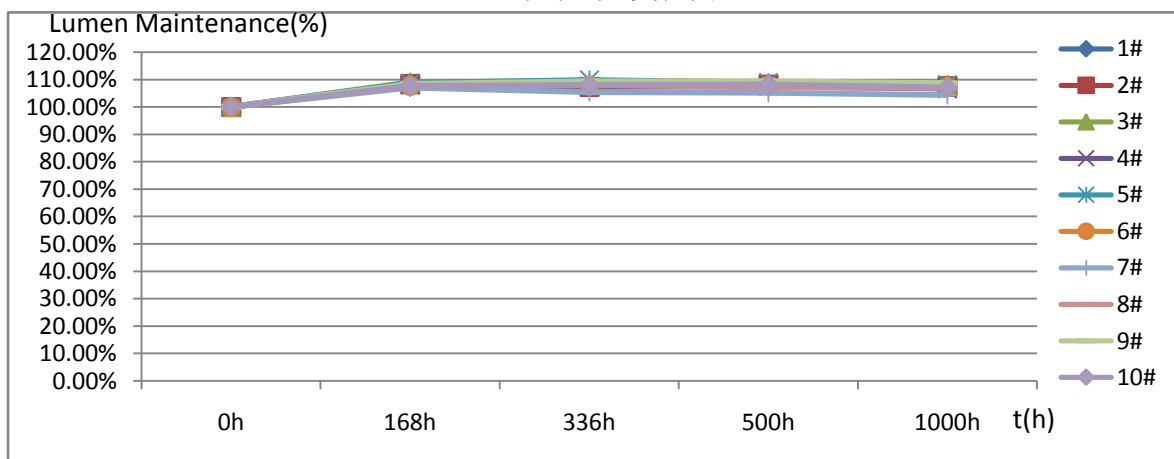
检测报告(内部)

报告编号: LAB1808301-01

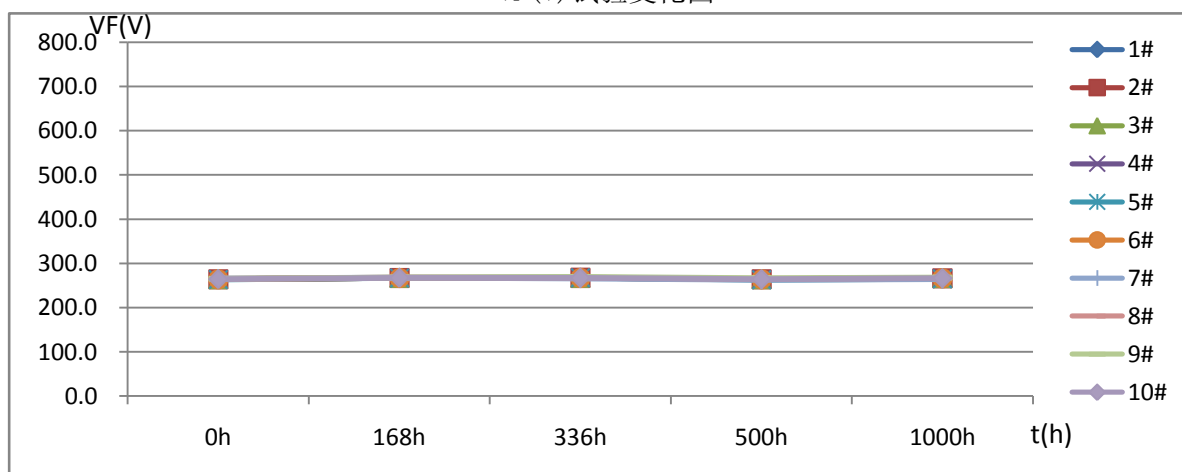
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1. 客户名称: NPI/周芃宇
2. 样品编号: 1#~10#
3. 产品规格/型号: RF-FPR6W2C1K-C5/SC17-180805830
4. 检测时间: 2018. 08. 30~2018. 10. 17
5. 检测设备: YF1000光色电综合分析系统(1008074); LED-专用精密光电烤箱(SZ12111737);
显微镜(MT 4X); FLUKE万用表(34700492WS);
DC POWER SUPPLY (160303750)
6. 环境条件: (22~28) °C, (30~70) %RH
7. 检测依据标准: LED的测量 CIE127: 2007
8. 检测项目: 常温老化试验
9. 检测条件: 无预处理:
25 °C, 老化时间1000H, 老化电流20mA, 测试电流20mA,
积分球4 π 测试, 测试点: 0h, 168h, 336h, 500h, 1000h

Φ (1m) 试验变化图



VF (V) 试验变化图



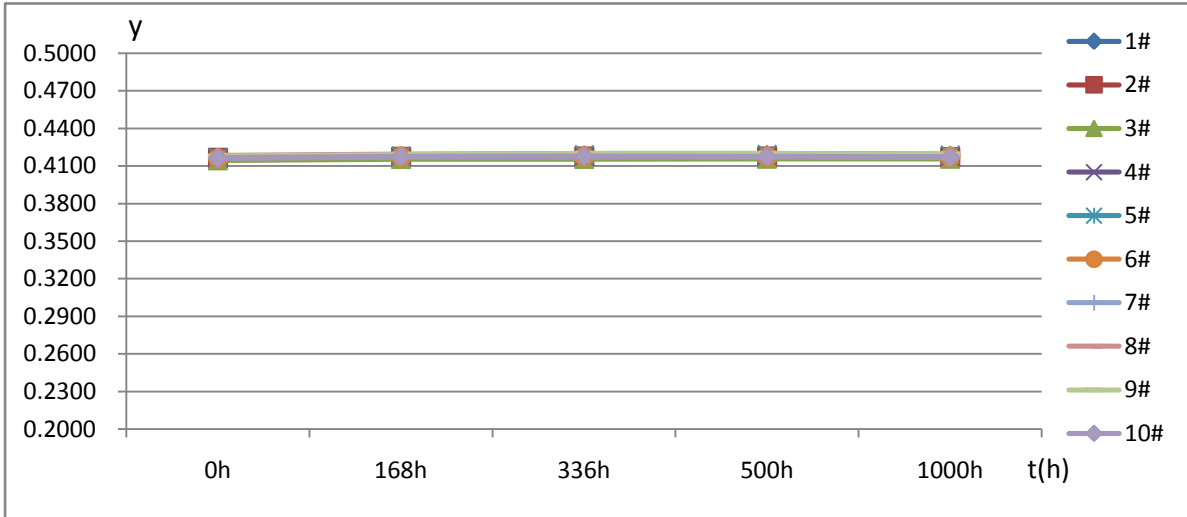
检测: 樊考辉 2018. 10. 18

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 (1m)					Lumen Maintenance (%)				
	0h	168h	336h	500h	1000h	0h	168h	336h	500h	1000h
1#	514.41	552.91	553.89	552.89	551.00	100.00%	107.48%	107.67%	107.48%	107.11%
2#	514.91	558.38	552.81	557.33	553.23	100.00%	108.44%	107.36%	108.24%	107.44%
3#	500.80	545.66	540.78	541.02	541.48	100.00%	108.96%	107.98%	108.03%	108.12%
4#	508.56	549.05	546.00	546.96	542.45	100.00%	107.96%	107.36%	107.55%	106.66%
5#	515.16	560.46	565.51	560.70	557.48	100.00%	108.79%	109.77%	108.84%	108.21%
6#	510.54	549.81	550.79	549.75	548.04	100.00%	107.69%	107.88%	107.68%	107.35%
7#	497.50	532.36	524.49	522.95	519.11	100.00%	107.01%	105.43%	105.12%	104.34%
8#	521.06	561.26	563.13	558.17	557.11	100.00%	107.72%	108.07%	107.12%	106.92%
9#	524.62	569.01	573.92	573.97	569.89	100.00%	108.46%	109.40%	109.41%	108.63%
10#	512.39	552.19	553.71	554.51	548.83	100.00%	107.77%	108.06%	108.22%	107.11%
Max	524.62	569.01	573.92	573.97	569.89	100.00%	108.96%	109.77%	109.41%	108.63%
Min	497.50	532.36	524.49	522.95	519.11	100.00%	107.01%	105.43%	105.12%	104.34%
Avg	512.00	553.11	552.50	551.83	548.86	100.00%	108.03%	107.90%	107.77%	107.19%

序号	VF (V)					ΔVF (%)			
	0h	168h	336h	500h	1000h	168h	336h	500h	1000h
1#	264.9	267.3	267.5	264.5	266.9	0.91%	0.98%	-0.15%	0.76%
2#	264.9	267.5	267.2	264.6	266.9	0.98%	0.87%	-0.11%	0.76%
3#	264.8	267.4	267.3	264.8	267.2	0.98%	0.94%	0.00%	0.91%
4#	264.8	267.4	267.3	264.9	266.7	0.98%	0.94%	0.04%	0.72%
5#	264.2	267.3	268.2	263.4	265.3	1.17%	1.51%	-0.30%	0.42%
6#	264.9	267.4	267.7	264.8	267.1	0.94%	1.06%	-0.04%	0.83%
7#	265.7	268.5	266.0	263.1	264.6	1.05%	0.11%	-0.98%	-0.41%
8#	265.6	268.4	268.5	265.6	267.7	1.05%	1.09%	0.00%	0.79%
9#	265.5	268.2	269.3	266.6	268.5	1.02%	1.43%	0.41%	1.13%
10#	264.7	267.5	267.6	264.7	266.9	1.06%	1.10%	0.00%	0.83%

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序号	IF(mA)				
	0h	168h	336h	500h	1000h
1#	19.90	19.90	19.90	19.90	19.90
2#	19.90	19.90	19.90	19.90	19.90
3#	19.90	19.90	19.90	19.90	19.90
4#	19.90	19.90	19.90	19.90	19.90
5#	19.90	19.90	19.90	19.80	19.90
6#	19.90	19.90	19.90	19.90	19.90
7#	19.90	19.90	19.90	19.90	19.90
8#	19.90	19.90	19.90	19.90	19.90
9#	19.90	19.90	19.90	20.00	19.90
10#	19.90	19.90	19.90	19.90	19.90

序号	x					Δx			
	0h	168h	336h	500h	1000h	168h	336h	500h	1000h
1#	0.5007	0.5000	0.5001	0.5002	0.5010	-0.0007	-0.0006	-0.0005	0.0003
2#	0.5012	0.5020	0.5013	0.5010	0.5014	0.0008	0.0001	-0.0002	0.0002
3#	0.5002	0.5004	0.5005	0.5002	0.5010	0.0002	0.0003	0.0000	0.0008
4#	0.5016	0.5015	0.5016	0.5017	0.5014	-0.0001	0.0000	0.0001	-0.0002
5#	0.5000	0.5004	0.5011	0.5010	0.5016	0.0004	0.0011	0.0010	0.0016
6#	0.5010	0.5010	0.5010	0.5004	0.5012	0.0000	0.0000	-0.0006	0.0002
7#	0.5020	0.5015	0.5012	0.5015	0.5014	-0.0005	-0.0008	-0.0005	-0.0006
8#	0.5015	0.5011	0.5021	0.5021	0.5015	-0.0004	0.0006	0.0006	0.0000
9#	0.5020	0.5015	0.5023	0.5026	0.5026	-0.0005	0.0003	0.0006	0.0006
10#	0.5008	0.5008	0.5006	0.5002	0.5005	0.0000	-0.0002	-0.0006	-0.0003

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序号	y					Δy			
	0h	168h	336h	500h	1000h	168h	336h	500h	1000h
1#	0.4161	0.4168	0.4170	0.4170	0.4169	0.0007	0.0009	0.0009	0.0008
2#	0.4163	0.4175	0.4173	0.4173	0.4172	0.0012	0.0010	0.0010	0.0009
3#	0.4145	0.4156	0.4157	0.4158	0.4158	0.0011	0.0012	0.0013	0.0013
4#	0.4170	0.4179	0.4179	0.4181	0.4176	0.0009	0.0009	0.0011	0.0006
5#	0.4170	0.4183	0.4192	0.4194	0.4190	0.0013	0.0022	0.0024	0.0020
6#	0.4162	0.4173	0.4176	0.4173	0.4173	0.0011	0.0014	0.0011	0.0011
7#	0.4164	0.4174	0.4175	0.4176	0.4168	0.0010	0.0011	0.0012	0.0004
8#	0.4183	0.4193	0.4198	0.4196	0.4191	0.0010	0.0015	0.0013	0.0008
9#	0.4176	0.4187	0.4197	0.4197	0.4191	0.0011	0.0021	0.0021	0.0015
10#	0.4163	0.4174	0.4176	0.4174	0.4171	0.0011	0.0013	0.0011	0.0008

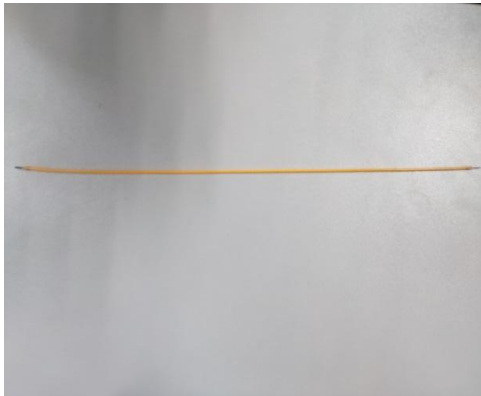
单颗LED判定基准:

项目	min	max
Lumen Maintenance (%)	85%	115%
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常温老化试验, 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.....