

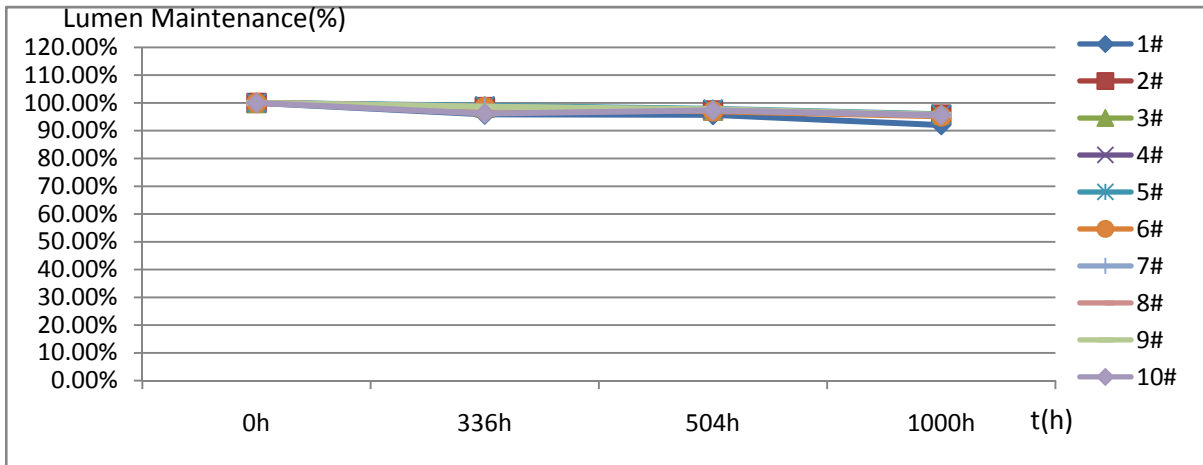
检测报告(内部)

报告编号: LAB2001015-01

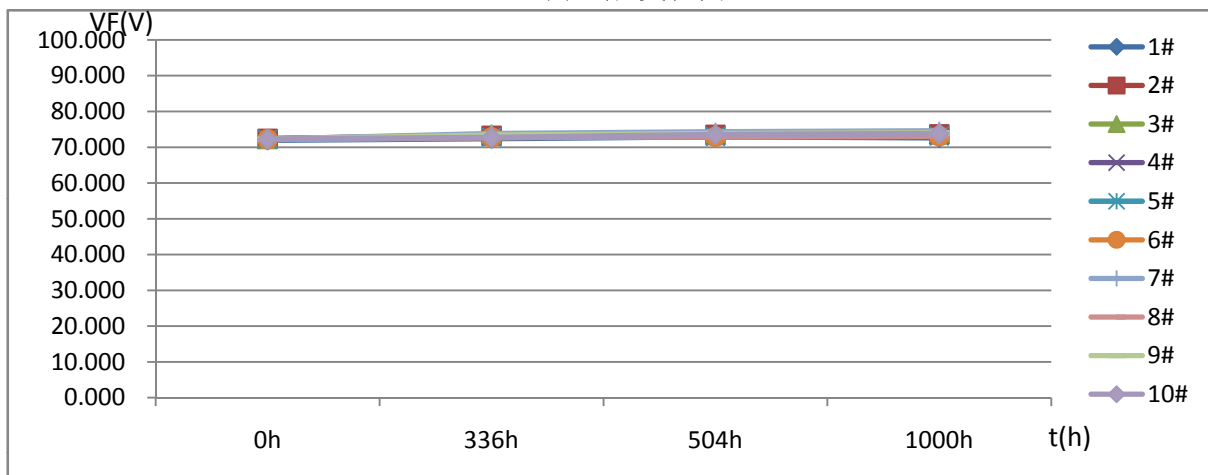
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1. 客户名称: 宁波瑞康_总经办_制造管理办公室_产品课/许越
2. 样品编号: 1#~10#
3. 产品规格/型号: RF-FT4FW2X67-T3-B-614B-B/N200107
4. 检测时间: 2020. 02. 25~2020. 04. 12
5. 检测设备: 程控电热鼓风干燥箱 (/); LED阵列快速测试系统 (G118471CA833115);
 显微镜 (MT 4X); DSX500光学电子显微镜 (4B43960); DC POWER SUPPLY (160303750)
 FLUKE万用表 (34700492WS);
6. 环境条件: (22~28) °C, (30~70) %RH
7. 检测依据标准: 电工电子产品环境试验 第2部分: 试验方法 试验B: 高温 GB/T 2423.2-2008,
 LED的测量 CIE127: 2007
8. 检测项目: 高温老化试验
9. 检测条件: 无预处理:
 105°C, 老化时间1000H, 老化电流15mA, 测试电流15mA,
 积分球2π测试, 测试点: 0h, 336h, 504h, 1000h

Φ (lm) 试验变化图



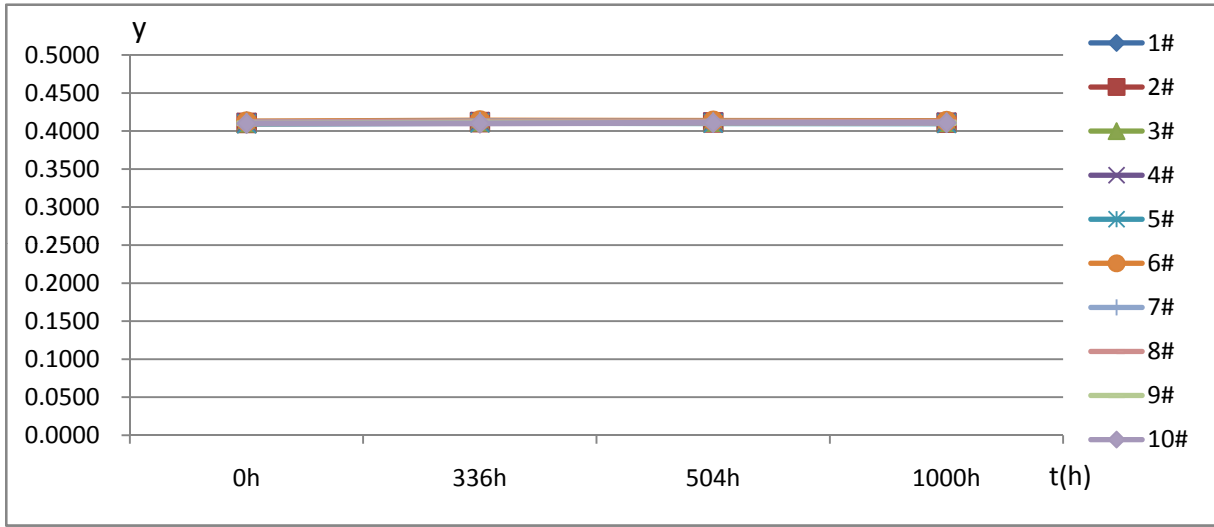
VF (V) 试验变化图



检测: 黄凯 2020. 05. 05 审核: 樊考辉 2020. 05. 05 批准: 张剑峰 2020. 05. 07

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y试验变化图



序号	Φ (lm)				Lumen Maintenance (%)			
	0h	336h	504h	1000h	0h	336h	504h	1000h
1#	98.03	93.95	93.78	90.19	100.00%	95.84%	95.66%	92.00%
2#	103.80	102.20	101.00	99.40	100.00%	98.46%	97.30%	95.76%
3#	107.20	105.60	104.40	102.70	100.00%	98.51%	97.39%	95.80%
4#	105.80	104.50	103.30	101.10	100.00%	98.77%	97.64%	95.56%
5#	98.71	97.72	96.60	94.70	100.00%	99.00%	97.86%	95.94%
6#	98.60	97.10	95.60	93.82	100.00%	98.48%	96.96%	95.15%
7#	107.80	106.40	105.00	102.90	100.00%	98.70%	97.40%	95.45%
8#	107.90	106.30	105.10	103.10	100.00%	98.52%	97.41%	95.55%
9#	107.80	106.30	105.30	103.20	100.00%	98.61%	97.68%	95.73%
10#	100.40	96.55	97.69	95.97	100.00%	96.17%	97.30%	95.59%
Max	107.90	106.40	105.30	103.20	100.00%	99.00%	97.86%	95.94%
Min	98.03	93.95	93.78	90.19	100.00%	95.84%	95.66%	92.00%
Avg	103.60	101.66	100.78	98.71	100.00%	98.10%	97.26%	95.25%

序号	VF (V)				ΔVF (V)		
	0h	336h	504h	1000h	336h	504h	1000h
1#	71.982	72.439	72.962	72.657	0.63%	1.36%	0.94%
2#	72.352	73.201	73.430	73.604	1.17%	1.49%	1.73%
3#	72.276	73.419	73.746	73.974	1.58%	2.03%	2.35%
4#	72.210	73.060	73.245	73.419	1.18%	1.43%	1.67%
5#	72.243	72.798	72.973	73.114	0.77%	1.01%	1.21%
6#	72.232	72.744	72.918	73.071	0.71%	0.95%	1.16%
7#	72.178	73.757	74.225	74.508	2.19%	2.84%	3.23%
8#	72.232	72.787	73.005	73.212	0.77%	1.07%	1.36%
9#	72.232	73.310	73.746	73.996	1.49%	2.10%	2.44%
10#	72.210	72.668	73.473	73.767	0.63%	1.75%	2.16%

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序号	IF (mA)			
	0h	336h	504h	1000h
1#	14.92	14.86	14.88	14.86
2#	14.92	14.87	14.89	14.87
3#	14.93	14.87	14.89	14.87
4#	14.93	14.86	14.87	14.87
5#	14.94	14.87	14.88	14.86
6#	14.94	14.88	14.88	14.86
7#	14.93	14.87	14.87	14.86
8#	14.93	14.87	14.88	14.86
9#	14.92	14.87	14.88	14.86
10#	14.93	14.87	14.88	14.86

序号	x				Δx		
	0h	336h	504h	1000h	336h	504h	1000h
1#	0.4566	0.4554	0.4552	0.4533	-0.0012	-0.0014	-0.0033
2#	0.4586	0.4584	0.4579	0.4573	-0.0002	-0.0007	-0.0013
3#	0.4580	0.4581	0.4576	0.4570	0.0001	-0.0004	-0.0010
4#	0.4573	0.4574	0.4570	0.4561	0.0001	-0.0003	-0.0012
5#	0.4539	0.4538	0.4534	0.4527	-0.0001	-0.0005	-0.0012
6#	0.4570	0.4570	0.4564	0.4559	0.0000	-0.0006	-0.0011
7#	0.4578	0.4579	0.4576	0.4569	0.0001	-0.0002	-0.0009
8#	0.4566	0.4564	0.4561	0.4553	-0.0002	-0.0005	-0.0013
9#	0.4557	0.4555	0.4551	0.4543	-0.0002	-0.0006	-0.0014
10#	0.4534	0.4521	0.4529	0.4523	-0.0013	-0.0005	-0.0011

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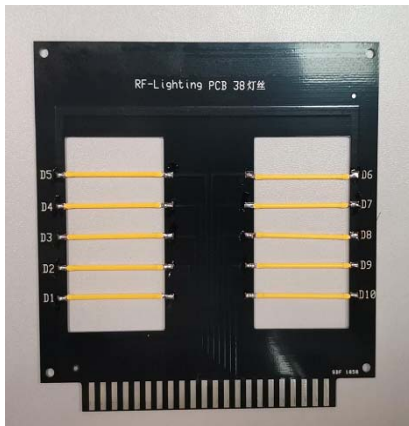
序号	y				Δy		
	0h	336h	504h	1000h	336h	504h	1000h
1#	0.4122	0.4123	0.4122	0.4108	0.0001	0.0000	-0.0014
2#	0.4107	0.4118	0.4113	0.4110	0.0011	0.0006	0.0003
3#	0.4113	0.4127	0.4123	0.4121	0.0014	0.0010	0.0008
4#	0.4112	0.4125	0.4120	0.4117	0.0013	0.0008	0.0005
5#	0.4093	0.4107	0.4102	0.4099	0.0014	0.0009	0.0006
6#	0.4125	0.4138	0.4134	0.4131	0.0013	0.0009	0.0006
7#	0.4115	0.4127	0.4123	0.4121	0.0012	0.0008	0.0006
8#	0.4112	0.4122	0.4119	0.4117	0.0010	0.0007	0.0005
9#	0.4100	0.4110	0.4108	0.4105	0.0010	0.0008	0.0005
10#	0.4099	0.4100	0.4108	0.4107	0.0001	0.0009	0.0008

单颗LED判定基准:

项目	min	max
Lumen Maintenance (%)	90%	110%
ΔVF	-6%	6%
Δx	/	/
Δy	/	/
外观无胶裂, 变黄, 发黑等现象		

经过1000h高温老化试验, 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.....